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: **E12-10687**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

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

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.

E12-10687

Client JMC Environmental Consultants

Project ARSYNCO

Received On 10/22/2012@17:15

Lab ID	Client Sample ID	Depth Top/Bottom	Sampling Time	Matrix	# of Container
10687-001	P-15 (8.0-9.0)	8/9	10/22/2012@08:51	Soil	1
10687-002	P-15 (9.0-10.0)	9/10	10/22/2012@08:52	Soil	1
10687-003	X-15 (0-2.0)	0/2	10/22/2012@09:16	Soil	1
10687-004	X-15 (2.0-4.0)	2/4	10/22/2012@09:17	Soil	1
10687-005	X-15 (4.0-6.0)	4/6	10/22/2012@09:18	Soil	1
10687-006	X-16 (0-2.0)	0/2	10/22/2012@09:48	Soil	1
10687-007	X-16 (2.0-4.0)	2/4	10/22/2012@09:49	Soil	1
10687-008	X-16 (4.0-6.0)	4/6	10/22/2012@09:50	Soil	1
10687-009	Y-16 (0-2.0)	0/2	10/22/2012@10:10	Soil	1
10687-010	Y-16 (2.0-3.0)	2/3	10/22/2012@10:11	Soil	1
10687-011	Y-16 (3.0-4.0)	3/4	10/22/2012@10:12	Soil	1
10687-012	Y-16 (4.0-6.0)	4/6	10/22/2012@10:13	Soil	1
10687-013	Y-15 (0-2.0)	0/2	10/22/2012@10:31	Soil	1
10687-014	Y-15 (2.0-4.0)	2/4	10/22/2012@10:32	Soil	1
10687-015	Y-15 (4.0-6.0)	4/6	10/22/2012@10:33	Soil	1
10687-016	Y-14 (0-2.0)	0/2	10/22/2012@11:17	Soil	1
10687-017	Y-14 (2.0-4.0)	2/4	10/22/2012@11:18	Soil	1
10687-018	Y-14 (4.0-4.5)	4/4.5	10/22/2012@11:19	Soil	1
10687-019	Y-14 (4.5-6.0)	4.5/6	10/22/2012@11:20	Soil	1
10687-020	Y-13 (0-2.0)	0/2	10/22/2012@11:35	Soil	1
10687-021	Y-13 (2.0-4.0)	2/4	10/22/2012@11:36	Soil	1
10687-022	Y-13 (4.0-5.0)	4/5	10/22/2012@11:37	Soil	1
10687-023	Y-13 (5.0-6.0)	5/6	10/22/2012@11:38	Soil	1
10687-024	Y-12 (0-2.0)	0/2	10/22/2012@12:01	Soil	1
10687-025	Y-12 (2.0-4.0)	2/4	10/22/2012@12:02	Soil	1
10687-026	Y-12 (4.0-5.0)	4/5	10/22/2012@12:03	Soil	1
10687-027	Y-12 (5.0-6.0)	5/6	10/22/2012@12:04	Soil	1
10687-028	DD-23 (0-2.0)	0/2	10/22/2012@13:10	Soil	1
10687-029	DD-23 (2.0-4.0)	2/4	10/22/2012@13:11	Soil	1
10687-030	DD-23 (4.0-6.0)	4/6	10/22/2012@13:12	Soil	1
10687-031	DD-22 (0-2.0)	0/2	10/22/2012@13:46	Soil	1
10687-032	DD-22 (2.0-4.0)	2/4	10/22/2012@13:47	Soil	1
10687-033	DD-22 (4.0-4.5)	4/4.5	10/22/2012@13:48	Soil	1
10687-034	DD-22 (4.5-5.0)	4.5/5	10/22/2012@13:49	Soil	1
10687-035	DD-22 (5.0-6.0)	5/6	10/22/2012@13:50	Soil	1
10687-036	DD-21 (0-2.0)	0/2	10/22/2012@14:15	Soil	1
10687-037	DD-21 (2.0-4.0)	2/4	10/22/2012@14:16	Soil	1
10687-038	DD-21 (4.0-5.0)	4/5	10/22/2012@14:17	Soil	1
10687-039	DD-21 (5.0-6.0)	5/6	10/22/2012@14:18	Soil	1
10687-040	FB-56	n/a	10/22/2012	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	8
Analytical Results	13
PCBs	
Methodology Summary *	
PCBs	54
PCBs QC Summary	55
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	114
Sample Quant Report and Chromatogram	
Method Blank Results	
Method Blank Quant Report and Chromatogram	
Sample Tracking	222
Chains of Custody	
Project Information	
Sample Receipt Verification	
Laboratory Chronicle	
Last Page of the Report	232

This report was finalized on November 19, 2012

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

DEFINITIONS / QUALIFIERS

DATA QUALIFIERS

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

C Indicates analyte is a common laboratory contaminant.

D Indicated analyte was reported from diluted analysis.

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

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

REPORTING DEFINITIONS

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

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

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

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

DF Dilution Factor

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MS Matrix Spike

MSD Matrix Spike Duplicate

DUP Duplicate

CONFORMANCE / NON-CONFORMANCE SUMMARIES

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received one (1) aqueous and thirty-nine (39) soil sample(s) from JMC Environmental Consultants (IAL SDG # E12-10687, Project: ARSYNCO) on October 22, 2012 for the analysis of:

(40) TCL PCB

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

Reviewed by	11/16/12 Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E12-10687

PCB By 8082

Batch ID: 121023-08	**Matrix: Soil**

QC

- Calibration Curve met QC criteria.
- Surrogate Percent Recovery did not meet QC criteria. For sample -001 surrogate was diluted out. For rest of the samples (job 10687, batch 121023-08) surrogate passed QC criteria.
- Method Blank met QC criteria.
- LCS Percent Recovery met QC criteria.
- MS/MSD Percent Recovery did not meet QC criteria. MS/MSD did not pass QC criteria due to high concentration of target compound for original sample.
- RPD between MS/MSD did not meet QC criteria.

E12-10687

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- Sample -001 was run with 1000X dilution,
  -002 was run with 5X dilution,
  -013 was run with 50X dilution.
  All of those samples did not meet NJ SRS criteria due to high concentration of target compound
  Rest of the samples for batch 121023-08, job 10687 was performed without dilution.

JS 11-16-12

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E12-10687

PCB By 8082

Batch ID: 121024-04	**Matrix: Soil**

QC

- Calibration Curve met QC criteria.
- Surrogate Percent Recovery did not meet QC criteria. #038 has been spiked with double amount of surrogate.
- 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.

E12-10687

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- #021 needed 2x dilution for target compound
  #029 needed 5x dilution for target compound
  The rest of the samples needed no dilution.

Bogush 11/15/12

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E12-10687

PCB By 8082

Batch ID: 121025-05	**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.

E12-10687

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- No dilution for sample 10687-040.

JS 11-14-12

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E12-10687

PCB By 8082

Batch ID: 121026-02	**Matrix: Soil**

QC

- Calibration Curve met QC criteria.
- Surrogate Percent Recovery met QC criteria.
- Method Blank met QC criteria.
- LCS Percent Recovery met QC criteria.
- MS/MSD Percent Recovery met QC criteria.
- RPD between MS/MSD met QC criteria.

E12-10687

- 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 10687-039.

RESULTS SUMMARY REPORT

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E12-10687

Lab ID:	**10687-040**		
Client ID:	**FB-56**		
Matrix:	**Aqueous**		
Sampled Date	**10/22/12**		
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:	**10687-001**			**10687-002**			**10687-003**			**10687-004**	
Client ID:	**P-15 (8.0-9.0)**			**P-15 (9.0-10.0)**			**X-15 (0-2.0)**			**X-15 (2.0-4.0)**	
Depth:	**8/9**			**9/10**			**0/2**			**2/4**	
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**	
Sampled Date	**10/22/12**			**10/22/12**			**10/22/12**			**10/22/12**	
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		18.4	ND		0.087	ND		0.021	ND	0.019
Aroclor-1221	ND		18.4	ND		0.087	ND		0.021	ND	0.019
Aroclor-1232	ND		18.4	ND		0.087	ND		0.021	ND	0.019
Aroclor-1242	ND		18.4	ND		0.087	ND		0.021	ND	0.019
Aroclor-1248	5090		18.4	28.8		0.087	5.87		0.021	5.82	0.019
Aroclor-1254	ND		18.4	ND		0.087	ND		0.021	ND	0.019
Aroclor-1260	ND		18.4	ND		0.087	ND		0.021	ND	0.019
Aroclor-1262	ND		18.4	ND		0.087	ND		0.021	ND	0.019
Aroclor-1268	ND		18.4	ND		0.087	ND		0.021	ND	0.019
PCBs	5090		18.4	28.8		0.087	5.87		0.021	5.82	0.019

Lab ID:	**10687-005**			**10687-006**			**10687-007**			**10687-008**	
Client ID:	**X-15 (4.0-6.0)**			**X-16 (0-2.0)**			**X-16 (2.0-4.0)**			**X-16 (4.0-6.0)**	
Depth:	**4/6**			**0/2**			**2/4**			**4/6**	
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**	
Sampled Date	**10/22/12**			**10/22/12**			**10/22/12**			**10/22/12**	
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		0.022	ND		0.022	ND	0.018
Aroclor-1221	ND		0.019	ND		0.022	ND		0.022	ND	0.018
Aroclor-1232	ND		0.019	ND		0.022	ND		0.022	ND	0.018
Aroclor-1242	ND		0.019	ND		0.022	ND		0.022	ND	0.018
Aroclor-1248	ND		0.019	2.72		0.022	3.19		0.022	ND	0.018
Aroclor-1254	ND		0.019	ND		0.022	ND		0.022	ND	0.018
Aroclor-1260	ND		0.019	ND		0.022	ND		0.022	ND	0.018
Aroclor-1262	ND		0.019	ND		0.022	ND		0.022	ND	0.018
Aroclor-1268	ND		0.019	ND		0.022	ND		0.022	ND	0.018
PCBs	ND		0.019	2.72		0.022	3.19		0.022	ND	0.018

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E12-10687

Lab ID:	10687-009			10687-010			10687-011			10687-012		
Client ID:	Y-16 (0-2.0)			Y-16 (2.0-3.0)			Y-16 (3.0-4.0)			Y-16 (4.0-6.0)		
Depth:	0/2			2/3			3/4			4/6		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	10/22/12			10/22/12			10/22/12			10/22/12		
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		0.029	ND		0.039	ND		0.018
Aroclor-1221	ND		0.018	ND		0.029	ND		0.039	ND		0.018
Aroclor-1232	ND		0.018	ND		0.029	ND		0.039	ND		0.018
Aroclor-1242	ND		0.018	ND		0.029	ND		0.039	ND		0.018
Aroclor-1248	5.14		0.018	0.512		0.029	ND		0.039	ND		0.018
Aroclor-1254	ND		0.018	ND		0.029	ND		0.039	ND		0.018
Aroclor-1260	1.22		0.018	0.641		0.029	ND		0.039	ND		0.018
Aroclor-1262	ND		0.018	ND		0.029	ND		0.039	ND		0.018
Aroclor-1268	ND		0.018	ND		0.029	ND		0.039	ND		0.018
PCBs	6.36		0.018	1.15		0.029	ND		0.039	ND		0.018

Lab ID:	10687-013			10687-014			10687-015			10687-016		
Client ID:	Y-15 (0-2.0)			Y-15 (2.0-4.0)			Y-15 (4.0-6.0)			Y-14 (0-2.0)		
Depth:	0/2			2/4			4/6			0/2		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	10/22/12			10/22/12			10/22/12			10/22/12		
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		0.830	ND		0.030	ND		0.019	ND		0.017
Aroclor-1221	ND		0.830	ND		0.030	ND		0.019	ND		0.017
Aroclor-1232	ND		0.830	ND		0.030	ND		0.019	ND		0.017
Aroclor-1242	ND		0.830	ND		0.030	ND		0.019	ND		0.017
Aroclor-1248	221		0.830	ND		0.030	ND		0.019	1.55		0.017
Aroclor-1254	ND		0.830	ND		0.030	ND		0.019	ND		0.017
Aroclor-1260	ND		0.830	ND		0.030	ND		0.019	0.386		0.017
Aroclor-1262	ND		0.830	ND		0.030	ND		0.019	ND		0.017
Aroclor-1268	ND		0.830	ND		0.030	ND		0.019	ND		0.017
PCBs	221		0.830	ND		0.030	ND		0.019	1.94		0.017

Lab ID:	10687-017			10687-018			10687-019			10687-020		
Client ID:	Y-14 (2.0-4.0)			Y-14 (4.0-4.5)			Y-14 (4.5-6.0)			Y-13 (0-2.0)		
Depth:	2/4			4/4.5			4.5/6			0/2		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	10/22/12			10/22/12			10/22/12			10/22/12		
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		0.027	ND		0.019	ND		0.016
Aroclor-1221	ND		0.019	ND		0.027	ND		0.019	ND		0.016
Aroclor-1232	ND		0.019	ND		0.027	ND		0.019	ND		0.016
Aroclor-1242	ND		0.019	ND		0.027	ND		0.019	ND		0.016
Aroclor-1248	ND		0.019	ND		0.027	ND		0.019	5.66		0.016
Aroclor-1254	ND		0.019	ND		0.027	ND		0.019	ND		0.016
Aroclor-1260	ND		0.019	ND		0.027	ND		0.019	ND		0.016
Aroclor-1262	ND		0.019	ND		0.027	ND		0.019	ND		0.016
Aroclor-1268	ND		0.019	ND		0.027	ND		0.019	ND		0.016
PCBs	ND		0.019	ND		0.027	ND		0.019	5.66		0.016

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E12-10687

Lab ID:	10687-021			10687-022			10687-023			10687-024		
Client ID:	Y-13 (2.0-4.0)			Y-13 (4.0-5.0)			Y-13 (5.0-6.0)			Y-12 (0-2.0)		
Depth:	2/4			4/5			5/6			0/2		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	10/22/12			10/22/12			10/22/12			10/22/12		
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		0.048	ND		0.045	ND		0.018	ND		0.016
Aroclor-1221	ND		0.048	ND		0.045	ND		0.018	ND		0.016
Aroclor-1232	ND		0.048	ND		0.045	ND		0.018	ND		0.016
Aroclor-1242	ND		0.048	ND		0.045	ND		0.018	ND		0.016
Aroclor-1248	7.95		0.048	ND		0.045	ND		0.018	1.75		0.016
Aroclor-1254	ND		0.048	ND		0.045	ND		0.018	ND		0.016
Aroclor-1260	ND		0.048	ND		0.045	ND		0.018	ND		0.016
Aroclor-1262	ND		0.048	ND		0.045	ND		0.018	ND		0.016
Aroclor-1268	ND		0.048	ND		0.045	ND		0.018	ND		0.016
PCBs	7.95		0.048	ND		0.045	ND		0.018	1.75		0.016

Lab ID:	10687-025			10687-026			10687-027			10687-028		
Client ID:	Y-12 (2.0-4.0)			Y-12 (4.0-5.0)			Y-12 (5.0-6.0)			DD-23 (0-2.0)		
Depth:	2/4			4/5			5/6			0/2		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	10/22/12			10/22/12			10/22/12			10/22/12		
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		0.034	ND		0.018	ND		0.019
Aroclor-1221	ND		0.017	ND		0.034	ND		0.018	ND		0.019
Aroclor-1232	ND		0.017	ND		0.034	ND		0.018	ND		0.019
Aroclor-1242	ND		0.017	ND		0.034	ND		0.018	ND		0.019
Aroclor-1248	0.062		0.017	ND		0.034	ND		0.018	ND		0.019
Aroclor-1254	ND		0.017	ND		0.034	ND		0.018	0.200		0.019
Aroclor-1260	ND		0.017	ND		0.034	ND		0.018	ND		0.019
Aroclor-1262	ND		0.017	ND		0.034	ND		0.018	ND		0.019
Aroclor-1268	ND		0.017	ND		0.034	ND		0.018	ND		0.019
PCBs	0.062		0.017	ND		0.034	ND		0.018	0.200		0.019

Lab ID:	10687-029			10687-030			10687-031			10687-032		
Client ID:	DD-23 (2.0-4.0)			DD-23 (4.0-6.0)			DD-22 (0-2.0)			DD-22 (2.0-4.0)		
Depth:	2/4			4/6			0/2			2/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	10/22/12			10/22/12			10/22/12			10/22/12		
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		0.131	ND		0.017	ND		0.020	ND		0.021
Aroclor-1221	ND		0.131	ND		0.017	ND		0.020	ND		0.021
Aroclor-1232	ND		0.131	ND		0.017	ND		0.020	ND		0.021
Aroclor-1242	ND		0.131	ND		0.017	ND		0.020	ND		0.021
Aroclor-1248	40.0		0.131	ND		0.017	2.79		0.020	0.597		0.021
Aroclor-1254	ND		0.131	ND		0.017	2.40		0.020	0.490		0.021
Aroclor-1260	ND		0.131	ND		0.017	ND		0.020	ND		0.021
Aroclor-1262	ND		0.131	ND		0.017	ND		0.020	ND		0.021
Aroclor-1268	ND		0.131	ND		0.017	ND		0.020	ND		0.021
PCBs	40.0		0.131	ND		0.017	5.19		0.020	1.09		0.021

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E12-10687

Lab ID:	10687-033			10687-034			10687-035			10687-036		
Client ID:	DD-22 (4.0-4.5)			DD-22 (4.5-5.0)			DD-22 (5.0-6.0)			DD-21 (0-2.0)		
Depth:	4/4.5			4.5/5			5/6			0/2		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	10/22/12			10/22/12			10/22/12			10/22/12		
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		0.022	ND		0.021	ND		0.020	ND		0.018
Aroclor-1221	ND		0.022	ND		0.021	ND		0.020	ND		0.018
Aroclor-1232	ND		0.022	ND		0.021	ND		0.020	ND		0.018
Aroclor-1242	ND		0.022	ND		0.021	ND		0.020	ND		0.018
Aroclor-1248	1.64		0.022	ND		0.021	ND		0.020	0.645		0.018
Aroclor-1254	0.861		0.022	ND		0.021	ND		0.020	0.757		0.018
Aroclor-1260	ND		0.022	ND		0.021	ND		0.020	ND		0.018
Aroclor-1262	ND		0.022	ND		0.021	ND		0.020	ND		0.018
Aroclor-1268	ND		0.022	ND		0.021	ND		0.020	ND		0.018
PCBs	2.50		0.022	ND		0.021	ND		0.020	1.40		0.018

Lab ID:	10687-037			10687-038			10687-039		
Client ID:	DD-21 (2.0-4.0)			DD-21 (4.0-5.0)			DD-21 (5.0-6.0)		
Depth:	2/4			4/5			5/6		
Matrix:	Soil			Soil			Soil		
Sampled Date	10/22/12			10/22/12			10/22/12		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Aroclor-1016	ND		0.022	ND		0.053	ND		0.018
Aroclor-1221	ND		0.022	ND		0.053	ND		0.018
Aroclor-1232	ND		0.022	ND		0.053	ND		0.018
Aroclor-1242	ND		0.022	ND		0.053	ND		0.018
Aroclor-1248	0.046	J	0.022	0.208		0.053	ND		0.018
Aroclor-1254	ND		0.022	ND		0.053	ND		0.018
Aroclor-1260	ND		0.022	ND		0.053	ND		0.018
Aroclor-1262	ND		0.022	ND		0.053	ND		0.018
Aroclor-1268	ND		0.022	ND		0.053	ND		0.018
PCBs	0.046	J	0.022	0.208		0.053	ND		0.018

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the RL and above the MDL

ANALYTICAL RESULTS

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-001
Client ID: P-15_(8.0-
Date Received: 10/22/2012
Date Extracted: 10/23/2012
Date Analyzed: 11/15/2012
Data file: R5089.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.05g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1000
% Moisture: 14.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		46.1	18.4
Aroclor-1221	ND		46.1	18.4
Aroclor-1232	ND		46.1	18.4
Aroclor-1242	ND		46.1	18.4
Aroclor-1248	5090		46.1	18.4
Aroclor-1254	ND		46.1	18.4
Aroclor-1260	ND		46.1	18.4
Aroclor-1262	ND		46.1	18.4
Aroclor-1268	ND		46.1	18.4
PCBs	5090		46.1	18.4

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-002
Client ID: P-15_(9.0-
Date Received: 10/22/2012
Date Extracted: 10/23/2012
Date Analyzed: 10/28/2012
Data file: R4809.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.62g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 17.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.216	0.087
Aroclor-1221	ND		0.216	0.087
Aroclor-1232	ND		0.216	0.087
Aroclor-1242	ND		0.216	0.087
Aroclor-1248	28.8		0.216	0.087
Aroclor-1254	ND		0.216	0.087
Aroclor-1260	ND		0.216	0.087
Aroclor-1262	ND		0.216	0.087
Aroclor-1268	ND		0.216	0.087
PCBs	28.8		0.216	0.087

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-003
Client ID: X-15_(0-2.
Date Received: 10/22/2012
Date Extracted: 10/23/2012
Date Analyzed: 10/26/2012
Data file: R4759.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.16g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 27.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.054	0.021
Aroclor-1221	ND		0.054	0.021
Aroclor-1232	ND		0.054	0.021
Aroclor-1242	ND		0.054	0.021
Aroclor-1248	5.87		0.054	0.021
Aroclor-1254	ND		0.054	0.021
Aroclor-1260	ND		0.054	0.021
Aroclor-1262	ND		0.054	0.021
Aroclor-1268	ND		0.054	0.021
PCBs	5.87		0.054	0.021

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-004
Client ID: X-15_(2.0-
Date Received: 10/22/2012
Date Extracted: 10/23/2012
Date Analyzed: 10/26/2012
Data file: R4760.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.63g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 25.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.048	0.019
Aroclor-1221	ND		0.048	0.019
Aroclor-1232	ND		0.048	0.019
Aroclor-1242	ND		0.048	0.019
Aroclor-1248	5.82		0.048	0.019
Aroclor-1254	ND		0.048	0.019
Aroclor-1260	ND		0.048	0.019
Aroclor-1262	ND		0.048	0.019
Aroclor-1268	ND		0.048	0.019
PCBs	5.82		0.048	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-005
Client ID: X-15_(4.0-
Date Received: 10/22/2012
Date Extracted: 10/23/2012
Date Analyzed: 10/26/2012
Data file: R4761.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.30g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.9

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	ND		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	ND		0.047	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-006
Client ID: X-16_(0-2.
Date Received: 10/22/2012
Date Extracted: 10/23/2012
Date Analyzed: 10/26/2012
Data file: R4762.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.47g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 34.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.056	0.022
Aroclor-1221	ND		0.056	0.022
Aroclor-1232	ND		0.056	0.022
Aroclor-1242	ND		0.056	0.022
Aroclor-1248	2.72		0.056	0.022
Aroclor-1254	ND		0.056	0.022
Aroclor-1260	ND		0.056	0.022
Aroclor-1262	ND		0.056	0.022
Aroclor-1268	ND		0.056	0.022
PCBs	2.72		0.056	0.022

E12-10687 0019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-007
Client ID: X-16_(2.0-
Date Received: 10/22/2012
Date Extracted: 10/23/2012
Date Analyzed: 10/26/2012
Data file: R4763.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.64g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 35.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.055	0.022
Aroclor-1221	ND		0.055	0.022
Aroclor-1232	ND		0.055	0.022
Aroclor-1242	ND		0.055	0.022
Aroclor-1248	3.19		0.055	0.022
Aroclor-1254	ND		0.055	0.022
Aroclor-1260	ND		0.055	0.022
Aroclor-1262	ND		0.055	0.022
Aroclor-1268	ND		0.055	0.022
PCBs	3.19		0.055	0.022

E12-10687 0020

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-008
Client ID: X-16_(4.0-
Date Received: 10/22/2012
Date Extracted: 10/23/2012
Date Analyzed: 10/26/2012
Data file: R4764.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.45g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.9

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

E12-10687 0021

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-009
Client ID: Y-16_(0-2.
Date Received: 10/22/2012
Date Extracted: 10/23/2012
Date Analyzed: 10/26/2012
Data file: R4765.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.18g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.046	0.018
Aroclor-1221	ND		0.046	0.018
Aroclor-1232	ND		0.046	0.018
Aroclor-1242	ND		0.046	0.018
Aroclor-1248	5.14		0.046	0.018
Aroclor-1254	ND		0.046	0.018
Aroclor-1260	1.22		0.046	0.018
Aroclor-1262	ND		0.046	0.018
Aroclor-1268	ND		0.046	0.018
PCBs	6.36		0.046	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-010
Client ID: Y-16_(2.0-
Date Received: 10/22/2012
Date Extracted: 10/23/2012
Date Analyzed: 10/27/2012
Data file: R4766.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 45.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.073	0.029
Aroclor-1221	ND		0.073	0.029
Aroclor-1232	ND		0.073	0.029
Aroclor-1242	ND		0.073	0.029
Aroclor-1248	0.512		0.073	0.029
Aroclor-1254	ND		0.073	0.029
Aroclor-1260	0.641		0.073	0.029
Aroclor-1262	ND		0.073	0.029
Aroclor-1268	ND		0.073	0.029
PCBs	1.15		0.073	0.029

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-011
Client ID: Y-16_(3.0-
Date Received: 10/22/2012
Date Extracted: 10/23/2012
Date Analyzed: 10/27/2012
Data file: R4767.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.45g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 62.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.097	0.039
Aroclor-1221	ND		0.097	0.039
Aroclor-1232	ND		0.097	0.039
Aroclor-1242	ND		0.097	0.039
Aroclor-1248	ND		0.097	0.039
Aroclor-1254	ND		0.097	0.039
Aroclor-1260	ND		0.097	0.039
Aroclor-1262	ND		0.097	0.039
Aroclor-1268	ND		0.097	0.039
PCBs	ND		0.097	0.039

E12-10687 0024

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-012
Client ID: Y-16_(4.0-
Date Received: 10/22/2012
Date Extracted: 10/23/2012
Date Analyzed: 10/27/2012
Data file: R4768.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.38g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.045	0.018
Aroclor-1221	ND		0.045	0.018
Aroclor-1232	ND		0.045	0.018
Aroclor-1242	ND		0.045	0.018
Aroclor-1248	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	ND		0.045	0.018

E12-10687 0025

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-013
Client ID: Y-15_(0-2.
Date Received: 10/22/2012
Date Extracted: 10/23/2012
Date Analyzed: 11/15/2012
Data file: R5097.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.40g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 50
% Moisture: 10.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		2.08	0.830
Aroclor-1221	ND		2.08	0.830
Aroclor-1232	ND		2.08	0.830
Aroclor-1242	ND		2.08	0.830
Aroclor-1248	221		2.08	0.830
Aroclor-1254	ND		2.08	0.830
Aroclor-1260	ND		2.08	0.830
Aroclor-1262	ND		2.08	0.830
Aroclor-1268	ND		2.08	0.830
PCBs	221		2.08	0.830

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-014
Client ID: Y-15_(2.0-
Date Received: 10/22/2012
Date Extracted: 10/23/2012
Date Analyzed: 10/27/2012
Data file: R4770.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.08g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 46.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.074	0.030
Aroclor-1221	ND		0.074	0.030
Aroclor-1232	ND		0.074	0.030
Aroclor-1242	ND		0.074	0.030
Aroclor-1248	ND		0.074	0.030
Aroclor-1254	ND		0.074	0.030
Aroclor-1260	ND		0.074	0.030
Aroclor-1262	ND		0.074	0.030
Aroclor-1268	ND		0.074	0.030
PCBs	ND		0.074	0.030

E12-10687 0027

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-015
Client ID: Y-15_(4.0-
Date Received: 10/22/2012
Date Extracted: 10/23/2012
Date Analyzed: 10/27/2012
Data file: R4771.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.21g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.7

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-016
Client ID: Y-14_(0-2.
Date Received: 10/22/2012
Date Extracted: 10/23/2012
Date Analyzed: 10/27/2012
Data file: R4772.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.21g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 9.90

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.043	0.017
Aroclor-1221	ND		0.043	0.017
Aroclor-1232	ND		0.043	0.017
Aroclor-1242	ND		0.043	0.017
Aroclor-1248	1.55		0.043	0.017
Aroclor-1254	ND		0.043	0.017
Aroclor-1260	0.386		0.043	0.017
Aroclor-1262	ND		0.043	0.017
Aroclor-1268	ND		0.043	0.017
PCBs	1.94		0.043	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-017
Client ID: Y-14_(2.0-
Date Received: 10/22/2012
Date Extracted: 10/23/2012
Date Analyzed: 10/27/2012
Data file: R4773.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.83g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 27.7

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	ND		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	ND		0.047	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-018
Client ID: Y-14_(4.0-
Date Received: 10/22/2012
Date Extracted: 10/23/2012
Date Analyzed: 10/27/2012
Data file: R4774.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.86g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 50.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.069	0.027
Aroclor-1221	ND		0.069	0.027
Aroclor-1232	ND		0.069	0.027
Aroclor-1242	ND		0.069	0.027
Aroclor-1248	ND		0.069	0.027
Aroclor-1254	ND		0.069	0.027
Aroclor-1260	ND		0.069	0.027
Aroclor-1262	ND		0.069	0.027
Aroclor-1268	ND		0.069	0.027
PCBs	ND		0.069	0.027

E12-10687 0031

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-019
Client ID: Y-14_(4.5-
Date Received: 10/22/2012
Date Extracted: 10/23/2012
Date Analyzed: 10/27/2012
Data file: R4775.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.33g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 18.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.046	0.019
Aroclor-1221	ND		0.046	0.019
Aroclor-1232	ND		0.046	0.019
Aroclor-1242	ND		0.046	0.019
Aroclor-1248	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	ND		0.046	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-020
Client ID: Y-13_(0-2.
Date Received: 10/22/2012
Date Extracted: 10/23/2012
Date Analyzed: 10/27/2012
Data file: R4776.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.08g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: NA

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.039	0.016
Aroclor-1221	ND		0.039	0.016
Aroclor-1232	ND		0.039	0.016
Aroclor-1242	ND		0.039	0.016
Aroclor-1248	5.66		0.039	0.016
Aroclor-1254	ND		0.039	0.016
Aroclor-1260	ND		0.039	0.016
Aroclor-1262	ND		0.039	0.016
Aroclor-1268	ND		0.039	0.016
PCBs	5.66		0.039	0.016

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-021
Client ID: Y-13_(2.0-
Date Received: 10/22/2012
Date Extracted: 10/24/2012
Date Analyzed: 10/26/2012
Data file: Y2977.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.34g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 2
% Moisture: 37.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.121	0.048
Aroclor-1221	ND		0.121	0.048
Aroclor-1232	ND		0.121	0.048
Aroclor-1242	ND		0.121	0.048
Aroclor-1248	7.95		0.121	0.048
Aroclor-1254	ND		0.121	0.048
Aroclor-1260	ND		0.121	0.048
Aroclor-1262	ND		0.121	0.048
Aroclor-1268	ND		0.121	0.048
PCBs	7.95		0.121	0.048

E12-10687 0034

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-022
Client ID: Y-13_(4.0-
Date Received: 10/22/2012
Date Extracted: 10/24/2012
Date Analyzed: 10/26/2012
Data file: Y2955.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 64.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.113	0.045
Aroclor-1221	ND		0.113	0.045
Aroclor-1232	ND		0.113	0.045
Aroclor-1242	ND		0.113	0.045
Aroclor-1248	ND		0.113	0.045
Aroclor-1254	ND		0.113	0.045
Aroclor-1260	ND		0.113	0.045
Aroclor-1262	ND		0.113	0.045
Aroclor-1268	ND		0.113	0.045
PCBs	ND		0.113	0.045

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-023
Client ID: Y-13_(5.0-
Date Received: 10/22/2012
Date Extracted: 10/24/2012
Date Analyzed: 10/26/2012
Data file: Y2956.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.52g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.6

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

E12-10687 0036

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-024
Client ID: Y-12_(0-2.
Date Received: 10/22/2012
Date Extracted: 10/24/2012
Date Analyzed: 10/26/2012
Data file: Y2957.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.77g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 11.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.039	0.016
Aroclor-1221	ND		0.039	0.016
Aroclor-1232	ND		0.039	0.016
Aroclor-1242	ND		0.039	0.016
Aroclor-1248	1.75		0.039	0.016
Aroclor-1254	ND		0.039	0.016
Aroclor-1260	ND		0.039	0.016
Aroclor-1262	ND		0.039	0.016
Aroclor-1268	ND		0.039	0.016
PCBs	1.75		0.039	0.016

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-025
Client ID: Y-12_(2.0-
Date Received: 10/22/2012
Date Extracted: 10/24/2012
Date Analyzed: 10/26/2012
Data file: Y2958.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.25g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 8.80

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	0.062		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	0.062		0.042	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-026
Client ID: Y-12_(4.0-
Date Received: 10/22/2012
Date Extracted: 10/24/2012
Date Analyzed: 10/26/2012
Data file: Y2959.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.56g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 57.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.084	0.034
Aroclor-1221	ND		0.084	0.034
Aroclor-1232	ND		0.084	0.034
Aroclor-1242	ND		0.084	0.034
Aroclor-1248	ND		0.084	0.034
Aroclor-1254	ND		0.084	0.034
Aroclor-1260	ND		0.084	0.034
Aroclor-1262	ND		0.084	0.034
Aroclor-1268	ND		0.084	0.034
PCBs	ND		0.084	0.034

E12-10687 0039

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-027
Client ID: Y-12_(5.0-
Date Received: 10/22/2012
Date Extracted: 10/24/2012
Date Analyzed: 10/26/2012
Data file: Y2960.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.62g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.4

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	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	ND		0.045	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-028
Client ID: DD-23_(0-2
Date Received: 10/22/2012
Date Extracted: 10/24/2012
Date Analyzed: 10/26/2012
Data file: Y2961.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.07g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 14.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.046	0.019
Aroclor-1221	ND		0.046	0.019
Aroclor-1232	ND		0.046	0.019
Aroclor-1242	ND		0.046	0.019
Aroclor-1248	ND		0.046	0.019
Aroclor-1254	0.200		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	0.200		0.046	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-029
Client ID: DD-23_(2.0
Date Received: 10/22/2012
Date Extracted: 10/24/2012
Date Analyzed: 10/26/2012
Data file: Y2978.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.45g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 43.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.326	0.131
Aroclor-1221	ND		0.326	0.131
Aroclor-1232	ND		0.326	0.131
Aroclor-1242	ND		0.326	0.131
Aroclor-1248	40.0		0.326	0.131
Aroclor-1254	ND		0.326	0.131
Aroclor-1260	ND		0.326	0.131
Aroclor-1262	ND		0.326	0.131
Aroclor-1268	ND		0.326	0.131
PCBs	40.0		0.326	0.131

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-030
Client ID: DD-23_(4.0
Date Received: 10/22/2012
Date Extracted: 10/24/2012
Date Analyzed: 10/26/2012
Data file: Y2963.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.87g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 21.3

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

E12-10687 0043

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-031
Client ID: DD-22_(0-2
Date Received: 10/22/2012
Date Extracted: 10/24/2012
Date Analyzed: 10/26/2012
Data file: Y2964.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.23g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 24.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.051	0.020
Aroclor-1221	ND		0.051	0.020
Aroclor-1232	ND		0.051	0.020
Aroclor-1242	ND		0.051	0.020
Aroclor-1248	2.79		0.051	0.020
Aroclor-1254	2.40		0.051	0.020
Aroclor-1260	ND		0.051	0.020
Aroclor-1262	ND		0.051	0.020
Aroclor-1268	ND		0.051	0.020
PCBs	5.19		0.051	0.020

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-032
Client ID: DD-22_(2.0
Date Received: 10/22/2012
Date Extracted: 10/24/2012
Date Analyzed: 10/26/2012
Data file: Y2965.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.58g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 30.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.052	0.021
Aroclor-1221	ND		0.052	0.021
Aroclor-1232	ND		0.052	0.021
Aroclor-1242	ND		0.052	0.021
Aroclor-1248	0.597		0.052	0.021
Aroclor-1254	0.490		0.052	0.021
Aroclor-1260	ND		0.052	0.021
Aroclor-1262	ND		0.052	0.021
Aroclor-1268	ND		0.052	0.021
PCBs	1.09		0.052	0.021

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-033
Client ID: DD-22_(4.0
Date Received: 10/22/2012
Date Extracted: 10/24/2012
Date Analyzed: 10/26/2012
Data file: Y2966.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.24g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 29.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.054	0.022
Aroclor-1221	ND		0.054	0.022
Aroclor-1232	ND		0.054	0.022
Aroclor-1242	ND		0.054	0.022
Aroclor-1248	1.64		0.054	0.022
Aroclor-1254	0.861		0.054	0.022
Aroclor-1260	ND		0.054	0.022
Aroclor-1262	ND		0.054	0.022
Aroclor-1268	ND		0.054	0.022
PCBs	2.50		0.054	0.022

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-034
Client ID: DD-22_(4.5
Date Received: 10/22/2012
Date Extracted: 10/24/2012
Date Analyzed: 10/26/2012
Data file: Y2967.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.20g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 25.4

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-035
Client ID: DD-22_(5.0
Date Received: 10/22/2012
Date Extracted: 10/24/2012
Date Analyzed: 10/26/2012
Data file: Y2968.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.7

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-036
Client ID: DD-21_(0-2
Date Received: 10/22/2012
Date Extracted: 10/24/2012
Date Analyzed: 10/26/2012
Data file: Y2969.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.14g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.046	0.018
Aroclor-1221	ND		0.046	0.018
Aroclor-1232	ND		0.046	0.018
Aroclor-1242	ND		0.046	0.018
Aroclor-1248	0.645		0.046	0.018
Aroclor-1254	0.757		0.046	0.018
Aroclor-1260	ND		0.046	0.018
Aroclor-1262	ND		0.046	0.018
Aroclor-1268	ND		0.046	0.018
PCBs	1.40		0.046	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-037
Client ID: DD-21_(2.0
Date Received: 10/22/2012
Date Extracted: 10/24/2012
Date Analyzed: 10/26/2012
Data file: Y2970.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.21g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 29.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.054	0.022
Aroclor-1221	ND		0.054	0.022
Aroclor-1232	ND		0.054	0.022
Aroclor-1242	ND		0.054	0.022
Aroclor-1248	0.046	J	0.054	0.022
Aroclor-1254	ND		0.054	0.022
Aroclor-1260	ND		0.054	0.022
Aroclor-1262	ND		0.054	0.022
Aroclor-1268	ND		0.054	0.022
PCBs	0.046	J	0.054	0.022

E12-10687 0050

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-038
Client ID: DD-21_(4.0
Date Received: 10/22/2012
Date Extracted: 10/24/2012
Date Analyzed: 10/26/2012
Data file: Y2971.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.55g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 72.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.132	0.053
Aroclor-1221	ND		0.132	0.053
Aroclor-1232	ND		0.132	0.053
Aroclor-1242	ND		0.132	0.053
Aroclor-1248	0.208		0.132	0.053
Aroclor-1254	ND		0.132	0.053
Aroclor-1260	ND		0.132	0.053
Aroclor-1262	ND		0.132	0.053
Aroclor-1268	ND		0.132	0.053
PCBs	0.208		0.132	0.053

E12-10687 0051

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-039
Client ID: DD-21_(5.0
Date Received: 10/22/2012
Date Extracted: 10/26/2012
Date Analyzed: 10/27/2012
Data file: Y3000.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.47g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.1

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10687-040
Client ID: FB-56
Date Received: 10/22/2012
Date Extracted: 10/25/2012
Date Analyzed: 11/08/2012
Data file: Y3089.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
PCBs	ND		0.00005	0.00002

E12-10687 0053

PCB DATA

PCB QC SUMMARY

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/26/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS121024-04	SOIL	99		92		99		103	
PIT-002/8	10692-001	SOLID	98		94		99		104	
PIT-001/8	10692-002	SOLID	98		97		99		105	
Y-13_(4.0-	10687-022	SOIL	115		118		125		109	
Y-13_(5.0-	10687-023	SOIL	104		92		107		100	
Y-12_(0-2.	10687-024	SOIL	97		93		98		100	
Y-12_(2.0-	10687-025	SOIL	96		89		99		89	
Y-12_(4.0-	10687-026	SOIL	119		126		128		116	
Y-12_(5.0-	10687-027	SOIL	105		91		106		93	
DD-23_(0-2	10687-028	SOIL	95		90		98		87	
DD-23_(4.0	10687-030	SOIL	100		96		104		95	
DD-22_(0-2	10687-031	SOIL	89		100		98		98	
DD-22_(2.0	10687-032	SOIL	84		106		99		129	
DD-22_(4.0	10687-033	SOIL	107		106		129		116	
DD-22_(4.5	10687-034	SOIL	87		86		99		96	
DD-22_(5.0	10687-035	SOIL	99		89		104		99	
DD-21_(0-2	10687-036	SOIL	89		94		96		89	
DD-21_(2.0	10687-037	SOIL	95		93		101		116	
DD-21_(4.0	10687-038	SOIL	103		102		115		107	
PCB	10692-001MS	SOIL	97		81		98		85	
PCB	10692-001MSD	SOIL	96		88		97		84	
PCB	LCSS121024-04	SOIL	98		89		98		94	
Y-13_(2.0-	10687-021	SOIL	59		126		129		90	
DD-23_(2.0	10687-029	SOIL	105		127		112		117	

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: 10/26/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS121026-02	SOIL	102		66		101		83	
AOC-N-PE-8	10802-011	SOIL	105		74		103		74	
AOC-N-PE-7	10802-012	SOIL	109		83		108		96	
AOC-N-PE-2	10802-013	SOIL	106		78		107		75	
AOC-N-PE-1	10802-014	SOIL	104		81		105		80	
AOC-N-PE-6	10802-015	SOIL	102		67		103		73	
PX-22-4.0/	10824-001	SOIL	105		69		104		122	
PX-21-3.0/	10824-003	SOIL	98		76		103		87	
PX-20-4.0/	10824-005	SOIL	109		86		110		90	
PX-19-4.0/	10824-007	SOIL	110		76		108		94	
PX-18-4.0/	10824-009	SOIL	108		82		108		82	
PX-17-4.0/	10824-011	SOIL	109		79		107		94	
PX-15-4.0/	10824-015	SOIL	107		71		106		81	
PX-14-4.0/	10824-017	SOIL	107		76		105		75	
PX-13-3.0/	10824-019	SOIL	109		71		107		79	
PX-11-4.0/	10824-021	SOIL	113		73		109		79	
PX-9-4.0/4	10824-023	SOIL	112		79		109		83	
PX-7-4.0/4	10824-025	SOIL	110		76		107		79	
DD-21_(5.0	10687-039	SOIL	105		80		106		84	
WC-1_ASPHA	10760-001	SOLID	75		47		89		70	
PCB	10802-011MS	SOIL	97		59		101		68	
PCB	10802-011MSD	SOIL	103		66		104		109	
PCB	LCSS121026-02	SOIL	103		53		103		91	
PX-16-4.0/	10824-013	SOIL	140		95		125		95	

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: 10/26/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS121023-08	SOIL	100		129		100		108	
X-15_(0-2.	10687-003	SOIL	67		93		72		97	
X-15_(2.0-	10687-004	SOIL	73		92		87		91	
X-15_(4.0-	10687-005	SOIL	87		92		91		96	
X-16_(0-2.	10687-006	SOIL	66		95		75		88	
X-16_(2.0-	10687-007	SOIL	65		111		76		97	
X-16_(4.0-	10687-008	SOIL	87		123		92		136	
Y-16_(0-2.	10687-009	SOIL	64		87		71		83	
Y-16_(2.0-	10687-010	SOIL	74		100		90		93	
Y-16_(3.0-	10687-011	SOIL	96		105		108		102	
Y-16_(4.0-	10687-012	SOIL	98		90		98		97	
Y-15_(2.0-	10687-014	SOIL	61		89		96		117	
Y-15_(4.0-	10687-015	SOIL	88		82		90		80	
Y-14_(0-2.	10687-016	SOIL	77		130		85		107	
Y-14_(2.0-	10687-017	SOIL	88		89		92		86	
Y-14_(4.0-	10687-018	SOIL	97		109		105		105	
Y-14_(4.5-	10687-019	SOIL	95		99		100		100	
Y-13_(0-2.	10687-020	SOIL	69		80		85		83	
PCB	10687-020MS	SOIL	70		110		87		128	
PCB	10687-020MSD	SOIL	69		111		85		113	
PCB	LCSS121023-08	SOIL	91		86		94		89	
P-15_(9.0-	10687-002	SOIL	145		123		119		112	
P-15_(8.0-	10687-001	SOIL	0	D	0	D	0	D	0	D
Y-15_(0-2.	10687-013	SOIL	150		135		145		115	

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: 11/08/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKA121025-05	AQUEOUS	53		50		48		58	
FB-54	10574-050	AQUEOUS	68		66		62		71	
EFFLUENT	10621-001	AQUEOUS	47		67		44		68	
FB102212	10685-001	AQUEOUS	54		64		50		71	
MW-2R	10622-001	AQUEOUS	56		73		52		80	
MW-3	10622-002	AQUEOUS	43		63		42		69	
MW-6	10622-003	AQUEOUS	41		69		43		75	
MW-7	10622-004	AQUEOUS	45		70		45		78	
MW-13	10622-005	AQUEOUS	40		56		40		64	
MW-15	10622-006	AQUEOUS	58		78		57		80	
FB	10622-007	AQUEOUS	59		67		56		83	
FB-55	10655-055	AQUEOUS	60		58		55		67	
FB-56	10687-040	AQUEOUS	59		58		55		68	
PCB	10627-005MS	AQUEOUS	61		35		87		61	
PCB	10627-005MSD	AQUEOUS	62		36		89		70	
PCB	LCSA121025-05	AQUEOUS	62		37		88		72	

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

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

SOIL PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: LCSS121024-04

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	586.4	117	40 - 140
Aroclor-1260	500.0	0.0	607.5	122	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 BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: LCSS121026-02

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	562.5	113	40 - 140
Aroclor-1260	500.0	0.0	385.9	77	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 BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: LCSS121023-08

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	563.2	113	40 - 140
Aroclor-1260	500.0	0.0	521.5	104	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 BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: LCSA121025-05

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	449.3	90	40 - 140
Aroclor-1260	500.0	0.0	332.3	66	40 - 140

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

* Values outside of QC limits

NC Non calculable

Spike Recovery: __0__ out of __2__ outside limits

SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 10692-001

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	550.8	110	40 - 140
Aroclor-1260	500.0	0.0	507.4	101	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	559.0	112	2	50	40 - 140
Aroclor-1260	0.0	587.8	118	16	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 MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 10802-011

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	508.9	102	40 - 140
Aroclor-1260	500.0	197.8	536.0	68	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	#	MSD % REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	581.3		116	13	50	40 - 140
Aroclor-1260	197.8	583.0		77	12	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 MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 10687-020

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC	#	QC LIMITS REC.
Aroclor-1016	500.0	0.0	936.9	187	*	40 - 140
Aroclor-1260	500.0	0.0	620.0	124		40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	#	MSD % REC	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	1105.2	*	221	17		50	40 - 140
Aroclor-1260	0.0	755.0	*	151	20		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: __3___ out of __4__ outside limits

AQUEOUS PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 10627-005MSD

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	435.2	87	40 - 140
Aroclor-1260	500.0	0.0	321.0	64	40 - 140

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	449.6	90	3	50	40 - 140
Aroclor-1260	0.0	331.5	66	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: Y2951.D

Instrument ID: GC-Y

Date Extracted: 10/24/2012

Matrix: SOIL

Date Analyzed: 10/26/2012

Time Analyzed: 06:31

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PIT-002/8	10692-001	10/26/2012	06:49
PIT-001/8	10692-002	10/26/2012	07:06
Y-13_(4.0-	10687-022	10/26/2012	07:40
Y-13_(5.0-	10687-023	10/26/2012	07:57
Y-12_(0-2.	10687-024	10/26/2012	08:15
Y-12_(2.0-	10687-025	10/26/2012	08:32
Y-12_(4.0-	10687-026	10/26/2012	08:49
Y-12_(5.0-	10687-027	10/26/2012	09:06
DD-23_(0-2	10687-028	10/26/2012	09:23
DD-23_(4.0	10687-030	10/26/2012	09:57
DD-22_(0-2	10687-031	10/26/2012	10:15
DD-22_(2.0	10687-032	10/26/2012	10:32
DD-22_(4.0	10687-033	10/26/2012	10:49
DD-22_(4.5	10687-034	10/26/2012	11:06
DD-22_(5.0	10687-035	10/26/2012	11:23
DD-21_(0-2	10687-036	10/26/2012	11:41
DD-21_(2.0	10687-037	10/26/2012	11:58
DD-21_(4.0	10687-038	10/26/2012	12:15
PCB	10692-001MS	10/26/2012	12:32
PCB	10692-001MSD	10/26/2012	12:49
PCB	LCSS121024-04	10/26/2012	13:06
Y-13_(2.0-	10687-021	10/26/2012	18:12
DD-23_(2.0	10687-029	10/26/2012	18:30

PCB METHOD BLANK SUMMARY

Lab File ID: Y2981.D

Instrument ID: GC-Y

Date Extracted: 10/26/2012

Matrix: SOIL

Date Analyzed: 10/26/2012

Time Analyzed: 20:30

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
AOC-N-PE-8	10802-011	10/26/2012	20:47
AOC-N-PE-7	10802-012	10/26/2012	21:04
AOC-N-PE-2	10802-013	10/26/2012	21:21
AOC-N-PE-1	10802-014	10/26/2012	21:39
AOC-N-PE-6	10802-015	10/26/2012	21:56
PX-22-4.0/	10824-001	10/26/2012	22:13
PX-21-3.0/	10824-003	10/26/2012	22:30
PX-20-4.0/	10824-005	10/26/2012	22:47
PX-19-4.0/	10824-007	10/26/2012	23:04
PX-18-4.0/	10824-009	10/26/2012	23:22
PX-17-4.0/	10824-011	10/26/2012	23:39
PX-15-4.0/	10824-015	10/27/2012	00:13
PX-14-4.0/	10824-017	10/27/2012	00:31
PX-13-3.0/	10824-019	10/27/2012	00:48
PX-11-4.0/	10824-021	10/27/2012	01:05
PX-9-4.0/4	10824-023	10/27/2012	01:22
PX-7-4.0/4	10824-025	10/27/2012	01:39
DD-21_(5.0	10687-039	10/27/2012	01:56
WC-1_ASPHA	10760-001	10/27/2012	02:14
PCB	10802-011MS	10/27/2012	02:31
PCB	10802-011MSD	10/27/2012	02:48
PCB	LCSS121026-02	10/27/2012	03:05
PX-16-4.0/	10824-013	10/28/2012	14:21

PCB METHOD BLANK SUMMARY

Lab File ID:	R4756.D	Instrument ID:	GC-R
Date Extracted:	10/23/2012	Matrix:	SOIL
Date Analyzed:	10/26/2012	Time Analyzed:	21:23

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
X-15_(0-2.	10687-003	10/26/2012	22:15
X-15_(2.0-	10687-004	10/26/2012	22:32
X-15_(4.0-	10687-005	10/26/2012	22:50
X-16_(0-2.	10687-006	10/26/2012	23:07
X-16_(2.0-	10687-007	10/26/2012	23:24
X-16_(4.0-	10687-008	10/26/2012	23:42
Y-16_(0-2.	10687-009	10/26/2012	23:59
Y-16_(2.0-	10687-010	10/27/2012	00:17
Y-16_(3.0-	10687-011	10/27/2012	00:34
Y-16_(4.0-	10687-012	10/27/2012	00:51
Y-15_(2.0-	10687-014	10/27/2012	01:26
Y-15_(4.0-	10687-015	10/27/2012	01:43
Y-14_(0-2.	10687-016	10/27/2012	02:01
Y-14_(2.0-	10687-017	10/27/2012	02:18
Y-14_(4.0-	10687-018	10/27/2012	02:36
Y-14_(4.5-	10687-019	10/27/2012	02:53
Y-13_(0-2.	10687-020	10/27/2012	03:10
PCB	10687-020MS	10/27/2012	03:28
PCB	10687-020MSD	10/27/2012	03:45
PCB	LCSS121023-08	10/27/2012	04:02
P-15_(9.0-	10687-002	10/28/2012	14:06
P-15_(8.0-	10687-001	11/15/2012	01:15
Y-15_(0-2.	10687-013	11/15/2012	12:16

PCB METHOD BLANK SUMMARY

Lab File ID: Y3072.D

Instrument ID: GC-Y

Date Extracted: 10/25/2012

Matrix: AQUEOUS

Date Analyzed: 11/08/2012

Time Analyzed: 00:16

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FB-54	10574-050	11/08/2012	00:33
EFFLUENT	10621-001	11/08/2012	00:50
FB102212	10685-001	11/08/2012	01:07
MW-2R	10622-001	11/08/2012	01:25
MW-3	10622-002	11/08/2012	01:42
MW-6	10622-003	11/08/2012	01:59
MW-7	10622-004	11/08/2012	02:16
MW-13	10622-005	11/08/2012	02:33
MW-15	10622-006	11/08/2012	02:50
FB	10622-007	11/08/2012	03:07
FB-55	10655-055	11/08/2012	04:50
FB-56	10687-040	11/08/2012	05:07
PCB	10627-005MS	11/09/2012	21:28
PCB	10627-005MSD	11/09/2012	21:46
PCB	LCSA121025-05	11/09/2012	22:03

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2012

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

Data File: Y2832.D Y2831.D Y2830.D Y2829.D Y2828.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1016	3.28	3.28	3.28	3.28	3.28	3.28	3.21	3.35
Aroclor-1016 {2}	4.11	4.11	4.11	4.11	4.11	4.11	4.04	4.18
Aroclor-1016 {3}	4.66	4.66	4.66	4.66	4.66	4.66	4.59	4.73
Aroclor-1016 {4}	5.17	5.17	5.17	5.17	5.17	5.17	5.10	5.24
Aroclor-1016 {5}	5.56	5.56	5.56	5.56	5.56	5.56	5.49	5.63
Aroclor-1221			2.18				2.11	2.25
Aroclor-1221 {2}			3.07				3.00	3.14
Aroclor-1221 {3}			3.20				3.13	3.27
Aroclor-1221 {4}			3.27				3.20	3.34
Aroclor-1221 {5}			3.87				3.80	3.94
Aroclor-1232			3.28				3.21	3.35
Aroclor-1232 {2}			4.11				4.04	4.18
Aroclor-1232 {3}			4.78				4.71	4.85
Aroclor-1232 {4}			5.37				5.30	5.44
Aroclor-1232 {5}			5.56				5.49	5.63
Aroclor-1242			4.11				4.04	4.18
Aroclor-1242 {2}			5.05				4.98	5.12
Aroclor-1242 {3}			5.37				5.30	5.44
Aroclor-1242 {4}			6.07				6.00	6.14
Aroclor-1242 {5}			6.34				6.27	6.41
Aroclor-1248			4.51				4.43	4.59
Aroclor-1248 {2}			5.05				4.97	5.13
Aroclor-1248 {3}			5.37				5.29	5.45
Aroclor-1248 {4}			6.07				5.99	6.15
Aroclor-1248 {5}			6.34				6.26	6.42
Aroclor-1254			6.46				6.38	6.54
Aroclor-1254 {2}			6.89				6.81	6.97
Aroclor-1254 {3}			7.06				6.97	7.15
Aroclor-1254 {4}			7.51				7.42	7.60
Aroclor-1254 {5}			8.34				8.25	8.43
Aroclor-1260	8.34	8.34	8.34	8.34	8.34	8.34	7.44	9.24
Aroclor-1260 {2}	9.06	9.01	9.01	9.01	9.01	9.02	8.12	9.92
Aroclor-1260 {3}	9.49	9.49	9.49	9.48	9.48	9.48	8.58	10.38
Aroclor-1260 {4}	9.97	9.97	9.97	9.97	9.96	9.97	9.07	10.87
Aroclor-1260 {5}	11.02	11.02	11.03	11.02	11.02	11.02	10.12	11.92

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2012

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

Data File: Y2832.D Y2831.D Y2830.D Y2829.D Y2828.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	1573313	1817244	1670485	1694361	1639154	1678911	5.34
Aroclor-1016 {2}	2358505	2182704	2209030	2286275	2217555	2250814	3.17
Aroclor-1016 {3}	2179312	3211366	3053264	3155581	3069700	2933845	14.54
Aroclor-1016 {4}	1534773	1565453	1532481	1557110	1496551	1537274	1.74
Aroclor-1016 {5}	2248096	2508452	2372842	2450905	2383551	2392769	4.08
Aroclor-1221			619243				
Aroclor-1221 {2}			1131269				
Aroclor-1221 {3}			676717				
Aroclor-1221 {4}			2628081				
Aroclor-1221 {5}			505572				
Aroclor-1232			1705507				
Aroclor-1232 {2}			907838				
Aroclor-1232 {3}			851212				
Aroclor-1232 {4}			831729				
Aroclor-1232 {5}			1216076				
Aroclor-1242			1860915				
Aroclor-1242 {2}			1108616				
Aroclor-1242 {3}			1566547				
Aroclor-1242 {4}			2796206				
Aroclor-1242 {5}			2366224				
Aroclor-1248			3883602				
Aroclor-1248 {2}			2097663				
Aroclor-1248 {3}			2757948				
Aroclor-1248 {4}			5164484				
Aroclor-1248 {5}			3485978				
Aroclor-1254			5160920				
Aroclor-1254 {2}			3271153				
Aroclor-1254 {3}			6444742				
Aroclor-1254 {4}			6445868				
Aroclor-1254 {5}			5737581				
Aroclor-1260	4551932	6274507	6378629	6524196	5821667	5910186	13.59
Aroclor-1260 {2}	2355411	2777244	2730423	2742349	2468748	2614835	7.27
Aroclor-1260 {3}	5091321	7177883	7182513	7134979	6490738	6615487	13.62
Aroclor-1260 {4}	3580036	3864640	3510348	3383212	3136562	3494959	7.64
Aroclor-1260 {5}	1591552	1825859	1504623	1483731	1326383	1546430	11.85
						Average %RSD	8.28

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2012

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

Data File: Y2832.C Y2831.C Y2830.C Y2829.C Y2828.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1016	3.77	3.77	3.77	3.77	3.77	3.77	3.70	3.84
Aroclor-1016 {2}	4.37	4.37	4.37	4.37	4.37	4.37	4.30	4.44
Aroclor-1016 {3}	5.12	5.12	5.12	5.12	5.12	5.12	5.05	5.19
Aroclor-1016 {4}	5.33	5.33	5.33	5.33	5.33	5.33	5.26	5.40
Aroclor-1016 {5}	5.50	5.50	5.50	5.50	5.50	5.50	5.43	5.57
Aroclor-1221			2.46				2.39	2.53
Aroclor-1221 {2}			3.46				3.39	3.53
Aroclor-1221 {3}			3.69				3.62	3.76
Aroclor-1221 {4}			3.78				3.71	3.85
Aroclor-1221 {5}			5.13				5.06	5.20
Aroclor-1232			3.77				3.70	3.84
Aroclor-1232 {2}			4.75				4.68	4.82
Aroclor-1232 {3}			5.33				5.26	5.40
Aroclor-1232 {4}			5.51				5.44	5.58
Aroclor-1232 {5}			6.10				6.03	6.17
Aroclor-1242			4.75				4.68	4.82
Aroclor-1242 {2}			5.51				5.44	5.58
Aroclor-1242 {3}			6.10				6.03	6.17
Aroclor-1242 {4}			6.26				6.19	6.33
Aroclor-1242 {5}			6.81				6.74	6.88
Aroclor-1248			5.12				5.04	5.20
Aroclor-1248 {2}			5.70				5.62	5.78
Aroclor-1248 {3}			6.10				6.02	6.18
Aroclor-1248 {4}			6.26				6.18	6.34
Aroclor-1248 {5}			6.61				6.53	6.69
Aroclor-1254			7.10				7.02	7.18
Aroclor-1254 {2}			7.68				7.60	7.76
Aroclor-1254 {3}			8.31				8.22	8.40
Aroclor-1254 {4}			8.53				8.44	8.62
Aroclor-1254 {5}			9.12				9.03	9.21
Aroclor-1260	7.86	7.86	7.86	7.86	7.86	7.86	6.96	8.76
Aroclor-1260 {2}	8.12	8.12	8.12	8.11	8.12	8.12	7.22	9.02
Aroclor-1260 {3}	9.71	9.71	9.71	9.70	9.70	9.71	8.81	10.61
Aroclor-1260 {4}	10.21	10.22	10.21	10.21	10.21	10.21	9.31	11.11
Aroclor-1260 {5}	10.81	10.80	10.80	10.80	10.80	10.80	9.90	11.70

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2012

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

Data File: Y2832.C Y2831.C Y2830.C Y2829.C Y2828.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	396948	564587	547635	527945	496517	506726	13.10
Aroclor-1016 {2}	1007153	1155852	1054125	1023113	959815	1040011	7.04
Aroclor-1016 {3}	2114551	2580582	2394732	2359984	2236692	2337308	7.49
Aroclor-1016 {4}	872292	997829	1013037	999616	933212	963197	6.18
Aroclor-1016 {5}	806534	827062	791264	785321	740735	790183	4.05
Aroclor-1221			233437				
Aroclor-1221 {2}			353392				
Aroclor-1221 {3}			217261				
Aroclor-1221 {4}			817480				
Aroclor-1221 {5}			146103				
Aroclor-1232			566618				
Aroclor-1232 {2}			208259				
Aroclor-1232 {3}			437028				
Aroclor-1232 {4}			348816				
Aroclor-1232 {5}			468083				
Aroclor-1242			393312				
Aroclor-1242 {2}			665584				
Aroclor-1242 {3}			838723				
Aroclor-1242 {4}			699216				
Aroclor-1242 {5}			1377419				
Aroclor-1248			1265731				
Aroclor-1248 {2}			1882509				
Aroclor-1248 {3}			1328024				
Aroclor-1248 {4}			1223018				
Aroclor-1248 {5}			674955				
Aroclor-1254			1676467				
Aroclor-1254 {2}			1325584				
Aroclor-1254 {3}			1292309				
Aroclor-1254 {4}			787295				
Aroclor-1254 {5}			1877067				
Aroclor-1260	782091	874674	833220	831859	756943	815757	5.69
Aroclor-1260 {2}	996969	1417976	1241343	1236649	1109210	1200430	13.17
Aroclor-1260 {3}	843326	1146983	1030933	1079852	980564	1016332	11.28
Aroclor-1260 {4}	1618794	2636061	2343504	2480112	2251733	2266041	17.20
Aroclor-1260 {5}	1235423	1791982	1661876	1781630	1605774	1615337	14.03
						Average %RSD	9.92

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2012

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

Data File: Y2832.D Y2831.D Y2830.D Y2829.D Y2828.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1262			8.63				7.73	7.73
Aroclor-1262 {2}			9.49				8.59	8.59
Aroclor-1262 {3}			10.11				9.21	9.21
Aroclor-1262 {4}			10.20				9.20	9.20
Aroclor-1262 {5}			11.03				10.03	10.03
Aroclor-1268			10.11				9.11	9.11
Aroclor-1268 {2}			10.20				9.10	9.10
Aroclor-1268 {3}			10.66				9.56	9.56
Aroclor-1268 {4}			10.79				9.69	9.69
Aroclor-1268 {5}			11.63				10.53	10.53

GC Column (2nd): DB-1701P

Data File: Y2832.C Y2831.C Y2830.C Y2829.C Y2828.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1262			9.71				8.81	8.81
Aroclor-1262 {2}			10.22				9.32	9.32
Aroclor-1262 {3}			10.71				9.81	9.81
Aroclor-1262 {4}			10.80				9.80	9.80
Aroclor-1262 {5}			11.40				10.40	10.40
Aroclor-1268			10.71				9.71	9.71
Aroclor-1268 {2}			10.79				9.69	9.69
Aroclor-1268 {3}			11.04				9.94	9.94
Aroclor-1268 {4}			11.18				10.08	10.08
Aroclor-1268 {5}			12.26				11.16	11.16

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2012

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

Data File: Y2832.D Y2831.D Y2830.D Y2829.D Y2828.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			5537429				
Aroclor-1262 {2}			9692803				
Aroclor-1262 {3}			3567611				
Aroclor-1262 {4}			4541575				
Aroclor-1262 {5}			3103302				
Aroclor-1268			10570759				
Aroclor-1268 {2}			12588047				
Aroclor-1268 {3}			9165751				
Aroclor-1268 {4}			2766324				
Aroclor-1268 {5}			25307791				

GC Column (2nd): DB-1701P

Data File: Y2832.C Y2831.C Y2830.C Y2829.C Y2828.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			1632394				
Aroclor-1262 {2}			3881633				
Aroclor-1262 {3}			1271880				
Aroclor-1262 {4}			2775367				
Aroclor-1262 {5}			756050				
Aroclor-1268			3804029				
Aroclor-1268 {2}			4355680				
Aroclor-1268 {3}			3423579				
Aroclor-1268 {4}			1091307				
Aroclor-1268 {5}			10389670				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/26/2012 **Instrument ID:** GC-Y

Data File: Y2950.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.28	3.21	3.35	1678911	1808772	7.73
Aroclor-1016 {2}	4.11	4.04	4.18	2250814	2228063	1.01
Aroclor-1016 {3}	4.67	4.59	4.73	2933845	3350648	14.21
Aroclor-1016 {4}	5.17	5.10	5.24	1537274	1728534	12.44
Aroclor-1016 {5}	5.57	5.49	5.63	2392769	2681669	12.07
Aroclor-1260	8.34	7.44	9.24	5910186	6903868	16.81
Aroclor-1260 {2}	9.01	8.12	9.92	2614835	3034299	16.04
Aroclor-1260 {3}	9.48	8.58	10.38	6615487	7863396	18.86
Aroclor-1260 {4}	9.97	9.07	10.87	3494959	4078319	16.69
Aroclor-1260 {5}	11.02	10.12	11.92	1546430	1790632	15.79
					Average %D	13.17

Data File: Y2950.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.77	3.70	3.84	506726	540477	6.66
Aroclor-1016 {2}	4.37	4.30	4.44	1040011	1204570	15.82
Aroclor-1016 {3}	5.12	5.05	5.19	2337308	2751735	17.73
Aroclor-1016 {4}	5.33	5.26	5.40	963197	1129558	17.27
Aroclor-1016 {5}	5.51	5.43	5.57	790183	924730	17.03
Aroclor-1260	7.86	6.96	8.76	815757	957000	17.31
Aroclor-1260 {2}	8.12	7.22	9.02	1200430	1385339	15.40
Aroclor-1260 {3}	9.70	8.81	10.61	1016332	1159827	14.12
Aroclor-1260 {4}	10.21	9.31	11.11	2266041	2664738	17.59
Aroclor-1260 {5}	10.80	9.90	11.70	1615337	1855432	14.86
					Average %D	15.38

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/26/2012 **Instrument ID:** GC-Y

Data File: Y2975.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.29	3.21	3.35	1678911	1660939	1.07
Aroclor-1016 {2}	4.11	4.04	4.18	2250814	2040529	9.34
Aroclor-1016 {3}	4.67	4.59	4.73	2933845	3086876	5.22
Aroclor-1016 {4}	5.17	5.10	5.24	1537274	1593243	3.64
Aroclor-1016 {5}	5.57	5.49	5.63	2392769	2480184	3.65
Aroclor-1260	8.34	7.44	9.24	5910186	6873888	16.31
Aroclor-1260 {2}	9.01	8.12	9.92	2614835	2831311	8.28
Aroclor-1260 {3}	9.49	8.58	10.38	6615487	7737286	16.96
Aroclor-1260 {4}	9.97	9.07	10.87	3494959	4183012	19.69
Aroclor-1260 {5}	11.03	10.12	11.92	1546430	1685446	8.99
					Average %D	9.31

Data File: Y2975.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.70	3.84	506726	570202	12.53
Aroclor-1016 {2}	4.37	4.30	4.44	1040011	1116904	7.39
Aroclor-1016 {3}	5.13	5.05	5.19	2337308	2557832	9.43
Aroclor-1016 {4}	5.33	5.26	5.40	963197	1047784	8.78
Aroclor-1016 {5}	5.51	5.43	5.57	790183	860015	8.84
Aroclor-1260	7.87	6.96	8.76	815757	963813	18.15
Aroclor-1260 {2}	8.12	7.22	9.02	1200430	1385904	15.45
Aroclor-1260 {3}	9.71	8.81	10.61	1016332	1137892	11.96
Aroclor-1260 {4}	10.22	9.31	11.11	2266041	2597951	14.65
Aroclor-1260 {5}	10.80	9.90	11.70	1615337	1887465	16.85
					Average %D	12.40

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/26/2012 **Instrument ID:** GC-Y

Data File: Y2976.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.28	3.21	3.35	1678911	1683148	0.25
Aroclor-1016 {2}	4.11	4.04	4.18	2250814	2118104	5.90
Aroclor-1016 {3}	4.67	4.59	4.73	2933845	3173933	8.18
Aroclor-1016 {4}	5.17	5.10	5.24	1537274	1681425	9.38
Aroclor-1016 {5}	5.56	5.49	5.63	2392769	2523524	5.46
Aroclor-1260	8.34	7.44	9.24	5910186	6820237	15.40
Aroclor-1260 {2}	9.01	8.12	9.92	2614835	2698798	3.21
Aroclor-1260 {3}	9.49	8.58	10.38	6615487	7413194	12.06
Aroclor-1260 {4}	9.97	9.07	10.87	3494959	3746425	7.20
Aroclor-1260 {5}	11.03	10.12	11.92	1546430	1524351	1.43
					Average %D	6.85

Data File: Y2976.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.70	3.84	506726	549438	8.43
Aroclor-1016 {2}	4.38	4.30	4.44	1040011	1080871	3.93
Aroclor-1016 {3}	5.13	5.05	5.19	2337308	2498350	6.89
Aroclor-1016 {4}	5.34	5.26	5.40	963197	1039615	7.93
Aroclor-1016 {5}	5.52	5.43	5.57	790183	843834	6.79
Aroclor-1260	7.87	6.96	8.76	815757	823409	0.94
Aroclor-1260 {2}	8.12	7.22	9.02	1200430	1339382	11.58
Aroclor-1260 {3}	9.71	8.81	10.61	1016332	1101393	8.37
Aroclor-1260 {4}	10.22	9.31	11.11	2266041	2552523	12.64
Aroclor-1260 {5}	10.81	9.90	11.70	1615337	1785062	10.51
					Average %D	7.80

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/26/2012 **Instrument ID:** GC-Y

Data File: Y2979.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.29	3.21	3.35	1678911	1708028	1.73
Aroclor-1016 {2}	4.11	4.04	4.18	2250814	2154213	4.29
Aroclor-1016 {3}	4.67	4.59	4.73	2933845	3216755	9.64
Aroclor-1016 {4}	5.17	5.10	5.24	1537274	1660552	8.02
Aroclor-1016 {5}	5.57	5.49	5.63	2392769	2581164	7.87
Aroclor-1260	8.34	7.44	9.24	5910186	6915100	17.00
Aroclor-1260 {2}	9.01	8.12	9.92	2614835	2700182	3.26
Aroclor-1260 {3}	9.49	8.58	10.38	6615487	7334056	10.86
Aroclor-1260 {4}	9.97	9.07	10.87	3494959	3939523	12.72
Aroclor-1260 {5}	11.03	10.12	11.92	1546430	1837403	18.82
					Average %D	9.42

Data File: Y2979.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.70	3.84	506726	558209	10.16
Aroclor-1016 {2}	4.37	4.30	4.44	1040011	1107504	6.49
Aroclor-1016 {3}	5.13	5.05	5.19	2337308	2563470	9.68
Aroclor-1016 {4}	5.33	5.26	5.40	963197	1056927	9.73
Aroclor-1016 {5}	5.51	5.43	5.57	790183	862330	9.13
Aroclor-1260	7.87	6.96	8.76	815757	912483	11.86
Aroclor-1260 {2}	8.12	7.22	9.02	1200430	1366614	13.84
Aroclor-1260 {3}	9.71	8.81	10.61	1016332	1095989	7.84
Aroclor-1260 {4}	10.21	9.31	11.11	2266041	2599723	14.73
Aroclor-1260 {5}	10.80	9.90	11.70	1615337	1851978	14.65
					Average %D	10.81

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/26/2012 **Instrument ID:** GC-Y

Data File: Y2980.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.29	3.21	3.35	1678911	1731155	3.11
Aroclor-1016 {2}	4.11	4.04	4.18	2250814	2182038	3.06
Aroclor-1016 {3}	4.67	4.59	4.73	2933845	3256568	11.00
Aroclor-1016 {4}	5.17	5.10	5.24	1537274	1667203	8.45
Aroclor-1016 {5}	5.57	5.49	5.63	2392769	2621997	9.58
Aroclor-1260	8.34	7.44	9.24	5910186	6599848	11.67
Aroclor-1260 {2}	9.01	8.12	9.92	2614835	2785705	6.53
Aroclor-1260 {3}	9.49	8.58	10.38	6615487	7663815	15.85
Aroclor-1260 {4}	9.97	9.07	10.87	3494959	4083168	16.83
Aroclor-1260 {5}	11.03	10.12	11.92	1546430	1681930	8.76
					Average %D	9.48

Data File: Y2980.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.70	3.84	506726	568681	12.23
Aroclor-1016 {2}	4.37	4.30	4.44	1040011	1128502	8.51
Aroclor-1016 {3}	5.13	5.05	5.19	2337308	2618978	12.05
Aroclor-1016 {4}	5.33	5.26	5.40	963197	1081965	12.33
Aroclor-1016 {5}	5.51	5.43	5.57	790183	885373	12.05
Aroclor-1260	7.87	6.96	8.76	815757	943737	15.69
Aroclor-1260 {2}	8.12	7.22	9.02	1200430	1320234	9.98
Aroclor-1260 {3}	9.71	8.81	10.61	1016332	1136346	11.81
Aroclor-1260 {4}	10.21	9.31	11.11	2266041	2637631	16.40
Aroclor-1260 {5}	10.80	9.90	11.70	1615337	1857372	14.98
					Average %D	12.60

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/27/2012 **Instrument ID:** GC-Y

Data File: Y3005.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.29	3.21	3.35	1678911	1658679	1.21
Aroclor-1016 {2}	4.12	4.04	4.18	2250814	2043875	9.19
Aroclor-1016 {3}	4.67	4.59	4.73	2933845	3082567	5.07
Aroclor-1016 {4}	5.17	5.10	5.24	1537274	1637928	6.55
Aroclor-1016 {5}	5.57	5.49	5.63	2392769	2367146	1.07
Aroclor-1260	8.34	7.44	9.24	5910186	5214541	11.77
Aroclor-1260 {2}	9.01	8.12	9.92	2614835	2171558	16.95
Aroclor-1260 {3}	9.49	8.58	10.38	6615487	5525179	16.48
Aroclor-1260 {4}	9.97	9.07	10.87	3494959	2935082	16.02
Aroclor-1260 {5}	11.03	10.12	11.92	1546430	1499433	3.04
					Average %D	8.73

Data File: Y3005.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.70	3.84	506726	557188	9.96
Aroclor-1016 {2}	4.38	4.30	4.44	1040011	1088298	4.64
Aroclor-1016 {3}	5.13	5.05	5.19	2337308	2523895	7.98
Aroclor-1016 {4}	5.34	5.26	5.40	963197	1038793	7.85
Aroclor-1016 {5}	5.51	5.43	5.57	790183	842632	6.64
Aroclor-1260	7.87	6.96	8.76	815757	838383	2.77
Aroclor-1260 {2}	8.12	7.22	9.02	1200430	1203432	0.25
Aroclor-1260 {3}	9.71	8.81	10.61	1016332	959756	5.57
Aroclor-1260 {4}	10.22	9.31	11.11	2266041	2064481	8.89
Aroclor-1260 {5}	10.80	9.90	11.70	1615337	1433796	11.24
					Average %D	6.58

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/28/2012 **Instrument ID:** GC-Y

Data File: Y3043.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.29	3.21	3.35	1678911	1380785	17.76
Aroclor-1016 {2}	4.12	4.04	4.18	2250814	2049461	8.95
Aroclor-1016 {3}	4.67	4.59	4.73	2933845	2537426	13.51
Aroclor-1016 {4}	5.17	5.10	5.24	1537274	1355310	11.84
Aroclor-1016 {5}	5.57	5.49	5.63	2392769	2020796	15.55
Aroclor-1260	8.35	7.44	9.24	5910186	5426117	8.19
Aroclor-1260 {2}	9.02	8.12	9.92	2614835	2194915	16.06
Aroclor-1260 {3}	9.49	8.58	10.38	6615487	5697228	13.88
Aroclor-1260 {4}	9.97	9.07	10.87	3494959	2829283	19.05
Aroclor-1260 {5}	11.03	10.12	11.92	1546430	1384111	10.50
					Average %D	13.53

Data File: Y3043.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.70	3.84	506726	434656	14.22
Aroclor-1016 {2}	4.38	4.30	4.44	1040011	953550	8.31
Aroclor-1016 {3}	5.13	5.05	5.19	2337308	1880608	19.54
Aroclor-1016 {4}	5.34	5.26	5.40	963197	797606	17.19
Aroclor-1016 {5}	5.51	5.43	5.57	790183	635832	19.53
Aroclor-1260	7.87	6.96	8.76	815757	700563	14.12
Aroclor-1260 {2}	8.12	7.22	9.02	1200430	1031212	14.10
Aroclor-1260 {3}	9.71	8.81	10.61	1016332	860140	15.37
Aroclor-1260 {4}	10.22	9.31	11.11	2266041	1898576	16.22
Aroclor-1260 {5}	10.81	9.90	11.70	1615337	1325876	17.92
					Average %D	15.65

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/28/2012 **Instrument ID:** GC-Y

Data File: Y3049.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.29	3.21	3.35	1678911	1466070	12.68
Aroclor-1016 {2}	4.12	4.04	4.18	2250814	1965277	12.69
Aroclor-1016 {3}	4.67	4.59	4.73	2933845	2467083	15.91
Aroclor-1016 {4}	5.17	5.10	5.24	1537274	1316121	14.39
Aroclor-1016 {5}	5.57	5.49	5.63	2392769	2614936	9.28
Aroclor-1260	8.35	7.44	9.24	5910186	5264085	10.93
Aroclor-1260 {2}	9.02	8.12	9.92	2614835	2204114	15.71
Aroclor-1260 {3}	9.49	8.58	10.38	6615487	5507848	16.74
Aroclor-1260 {4}	9.97	9.07	10.87	3494959	2972050	14.96
Aroclor-1260 {5}	11.03	10.12	11.92	1546430	1381840	10.64
					Average %D	13.39

Data File: Y3049.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.70	3.84	506726	436823	13.80
Aroclor-1016 {2}	4.38	4.30	4.44	1040011	917574	11.77
Aroclor-1016 {3}	5.13	5.05	5.19	2337308	1997794	14.53
Aroclor-1016 {4}	5.34	5.26	5.40	963197	862783	10.43
Aroclor-1016 {5}	5.51	5.43	5.57	790183	805160	1.90
Aroclor-1260	7.87	6.96	8.76	815757	700491	14.13
Aroclor-1260 {2}	8.12	7.22	9.02	1200430	1041361	13.25
Aroclor-1260 {3}	9.71	8.81	10.61	1016332	867402	14.65
Aroclor-1260 {4}	10.22	9.31	11.11	2266041	1929520	14.85
Aroclor-1260 {5}	10.81	9.90	11.70	1615337	1336963	17.23
					Average %D	12.65

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/25/2012

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

Data File: R4681.D R4680.D R4679.D R4678.D R4677.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.98	3.98	3.98	3.97	3.97	3.98	3.91	4.05
Aroclor-1016 {2}	4.88	4.87	4.87	4.87	4.87	4.87	4.80	4.94
Aroclor-1016 {3}	5.46	5.46	5.46	5.46	5.46	5.46	5.39	5.53
Aroclor-1016 {4}	6.00	5.99	5.99	5.99	5.99	5.99	5.92	6.06
Aroclor-1016 {5}	6.41	6.40	6.40	6.40	6.40	6.40	6.33	6.47
Aroclor-1221			2.75				2.68	2.82
Aroclor-1221 {2}			3.76				3.69	3.83
Aroclor-1221 {3}			3.90				3.83	3.97
Aroclor-1221 {4}			3.98				3.91	4.05
Aroclor-1221 {5}			4.63				4.56	4.70
Aroclor-1232			3.98				3.91	4.05
Aroclor-1232 {2}			4.87				4.80	4.94
Aroclor-1232 {3}			5.58				5.51	5.65
Aroclor-1232 {4}			6.20				6.13	6.27
Aroclor-1232 {5}			6.40				6.33	6.47
Aroclor-1242			4.87				4.80	4.94
Aroclor-1242 {2}			5.86				5.79	5.93
Aroclor-1242 {3}			6.20				6.13	6.27
Aroclor-1242 {4}			6.92				6.85	6.99
Aroclor-1242 {5}			7.21				7.14	7.28
Aroclor-1248			5.30				5.22	5.38
Aroclor-1248 {2}			5.86				5.78	5.94
Aroclor-1248 {3}			6.20				6.12	6.28
Aroclor-1248 {4}			6.92				6.84	7.00
Aroclor-1248 {5}			7.21				7.13	7.29
Aroclor-1254			7.32				7.24	7.40
Aroclor-1254 {2}			7.78				7.70	7.86
Aroclor-1254 {3}			7.95				7.86	8.04
Aroclor-1254 {4}			8.40				8.31	8.49
Aroclor-1254 {5}			9.26				9.17	9.35
Aroclor-1260	9.26	9.26	9.25	9.25	9.25	9.25	8.35	10.15
Aroclor-1260 {2}	9.95	9.94	9.94	9.94	9.94	9.94	9.04	10.84
Aroclor-1260 {3}	10.43	10.42	10.42	10.42	10.42	10.42	9.52	11.32
Aroclor-1260 {4}	10.92	10.91	10.91	10.91	10.91	10.91	10.01	11.81
Aroclor-1260 {5}	11.99	11.99	11.99	11.98	11.98	11.99	11.09	12.89

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 11/07/2012

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

Data File: Y3056.D Y3055.D Y3054.D Y3053.D Y3052.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.28	3.28	3.28	3.28	3.28	3.28	3.21	3.35
Aroclor-1016 {2}	4.11	4.11	4.11	4.11	4.11	4.11	4.04	4.18
Aroclor-1016 {3}	4.66	4.67	4.67	4.66	4.67	4.66	4.59	4.73
Aroclor-1016 {4}	5.17	5.17	5.17	5.17	5.17	5.17	5.10	5.24
Aroclor-1016 {5}	5.56	5.56	5.56	5.56	5.56	5.56	5.49	5.63
Aroclor-1221			2.18				2.11	2.25
Aroclor-1221 {2}			3.08				3.01	3.15
Aroclor-1221 {3}			3.21				3.14	3.28
Aroclor-1221 {4}			3.28				3.21	3.35
Aroclor-1221 {5}			3.88				3.81	3.95
Aroclor-1232			3.28				3.21	3.35
Aroclor-1232 {2}			4.11				4.04	4.18
Aroclor-1232 {3}			4.78				4.71	4.85
Aroclor-1232 {4}			5.37				5.30	5.44
Aroclor-1232 {5}			5.56				5.49	5.63
Aroclor-1242			4.11				4.04	4.18
Aroclor-1242 {2}			5.05				4.98	5.12
Aroclor-1242 {3}			5.37				5.30	5.44
Aroclor-1242 {4}			6.07				6.00	6.14
Aroclor-1242 {5}			6.35				6.28	6.42
Aroclor-1248			4.51				4.43	4.59
Aroclor-1248 {2}			5.05				4.97	5.13
Aroclor-1248 {3}			5.37				5.29	5.45
Aroclor-1248 {4}			6.07				5.99	6.15
Aroclor-1248 {5}			6.35				6.27	6.43
Aroclor-1254			6.46				6.38	6.54
Aroclor-1254 {2}			6.90				6.82	6.98
Aroclor-1254 {3}			7.06				6.97	7.15
Aroclor-1254 {4}			7.51				7.42	7.60
Aroclor-1254 {5}			8.35				8.26	8.44
Aroclor-1260	8.35	8.34	8.34	8.34	8.34	8.34	7.44	9.24
Aroclor-1260 {2}	9.01	9.01	9.01	9.01	9.01	9.01	8.11	9.91
Aroclor-1260 {3}	9.49	9.49	9.49	9.49	9.49	9.49	8.59	10.39
Aroclor-1260 {4}	9.97	9.97	9.97	9.97	9.97	9.97	9.07	10.87
Aroclor-1260 {5}	11.03	11.03	11.03	11.03	11.02	11.03	10.13	11.93

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 11/07/2012

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y3056.D Y3055.D Y3054.D Y3053.D Y3052.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	2481902	2314737	2517311	2457101	2485816	2451373	3.24
Aroclor-1016 {2}	3190386	3230362	3489131	3461661	3483951	3371098	4.38
Aroclor-1016 {3}	4448524	4315648	4765267	4702007	4857384	4617766	4.92
Aroclor-1016 {4}	2015365	2293764	2363848	2284603	2387976	2269111	6.55
Aroclor-1016 {5}	3301128	3462406	3727958	3742058	3913159	3629342	6.73
Aroclor-1221			870182				
Aroclor-1221 {2}			1525788				
Aroclor-1221 {3}			957883				
Aroclor-1221 {4}			3668756				
Aroclor-1221 {5}			681324				
Aroclor-1232			2562053				
Aroclor-1232 {2}			1356577				
Aroclor-1232 {3}			1259478				
Aroclor-1232 {4}			1216226				
Aroclor-1232 {5}			1826259				
Aroclor-1242			2668557				
Aroclor-1242 {2}			1639775				
Aroclor-1242 {3}			2240450				
Aroclor-1242 {4}			4193571				
Aroclor-1242 {5}			3540586				
Aroclor-1248			5845219				
Aroclor-1248 {2}			3186910				
Aroclor-1248 {3}			3916419				
Aroclor-1248 {4}			7944849				
Aroclor-1248 {5}			5209101				
Aroclor-1254			8082136				
Aroclor-1254 {2}			5152820				
Aroclor-1254 {3}			10445844				
Aroclor-1254 {4}			10312417				
Aroclor-1254 {5}			9546366				
Aroclor-1260	10331284	8955596	11161388	10778127	10916257	10428530	8.41
Aroclor-1260 {2}	4130089	4388726	4967867	4750106	4823776	4612113	7.45
Aroclor-1260 {3}	10681565	10998781	12839523	12087475	12017693	11725007	7.48
Aroclor-1260 {4}	6220956	5946883	6173833	5744736	5769399	5971161	3.71
Aroclor-1260 {5}	3286749	3486692	3636692	2847526	2672972	3186126	12.95
					Average %RSD		6.58

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 11/07/2012

Instrument ID: GC-Y DB-1701P

GC Column (2nd): ~~RTX-CLP2~~

11/16/12 AD

Data File: Y3056.C Y3055.C Y3054.C Y3053.C Y3052.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.77	3.77	3.77	3.77	3.77	3.77	3.70	3.84
Aroclor-1016 {2}	4.37	4.37	4.37	4.37	4.37	4.37	4.30	4.44
Aroclor-1016 {3}	5.12	5.12	5.12	5.12	5.12	5.12	5.05	5.19
Aroclor-1016 {4}	5.33	5.33	5.33	5.33	5.33	5.33	5.26	5.40
Aroclor-1016 {5}	5.51	5.51	5.51	5.51	5.51	5.51	5.44	5.58
Aroclor-1221			2.45				2.38	2.52
Aroclor-1221 {2}			3.45				3.38	3.52
Aroclor-1221 {3}			3.68				3.61	3.75
Aroclor-1221 {4}			3.77				3.70	3.84
Aroclor-1221 {5}			5.12				5.05	5.19
Aroclor-1232			3.77				3.70	3.84
Aroclor-1232 {2}			4.75				4.68	4.82
Aroclor-1232 {3}			5.33				5.26	5.40
Aroclor-1232 {4}			5.51				5.44	5.58
Aroclor-1232 {5}			6.10				6.03	6.17
Aroclor-1242			4.75				4.68	4.82
Aroclor-1242 {2}			5.51				5.44	5.58
Aroclor-1242 {3}			6.10				6.03	6.17
Aroclor-1242 {4}			6.26				6.19	6.33
Aroclor-1242 {5}			6.81				6.74	6.88
Aroclor-1248			5.12				5.04	5.20
Aroclor-1248 {2}			5.71				5.63	5.79
Aroclor-1248 {3}			6.10				6.02	6.18
Aroclor-1248 {4}			6.26				6.18	6.34
Aroclor-1248 {5}			6.61				6.53	6.69
Aroclor-1254			7.10				7.02	7.18
Aroclor-1254 {2}			7.69				7.61	7.77
Aroclor-1254 {3}			8.31				8.22	8.40
Aroclor-1254 {4}			8.53				8.44	8.62
Aroclor-1254 {5}			9.12				9.03	9.21
Aroclor-1260	7.87	7.87	7.87	7.87	7.87	7.87	6.97	8.77
Aroclor-1260 {2}	8.12	8.12	8.12	8.12	8.12	8.12	7.22	9.02
Aroclor-1260 {3}	9.71	9.71	9.71	9.71	9.71	9.71	8.81	10.61
Aroclor-1260 {4}	10.22	10.22	10.22	10.22	10.22	10.22	9.32	11.12
Aroclor-1260 {5}	10.81	10.81	10.81	10.80	10.81	10.81	9.91	11.71

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/25/2012

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

Data File: R4681.D R4680.D R4679.D R4678.D R4677.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	2986530	3090322	2689844	3120594	2921841	2961826	5.80
Aroclor-1016 {2}	3640408	3660922	3708968	3520750	3563048	3618819	2.10
Aroclor-1016 {3}	5124543	6324009	4943085	5450125	5073966	5383146	10.37
Aroclor-1016 {4}	2486478	2503830	2411935	2562750	2373712	2467741	3.05
Aroclor-1016 {5}	4446796	5148591	3965676	4394519	4085926	4408302	10.45
Aroclor-1221			1114643				
Aroclor-1221 {2}			1684800				
Aroclor-1221 {3}			1165270				
Aroclor-1221 {4}			4101798				
Aroclor-1221 {5}			866968				
Aroclor-1232			2851489				
Aroclor-1232 {2}			1281728				
Aroclor-1232 {3}			1544195				
Aroclor-1232 {4}			1367114				
Aroclor-1232 {5}			2129405				
Aroclor-1242			2847039				
Aroclor-1242 {2}			2073134				
Aroclor-1242 {3}			2638285				
Aroclor-1242 {4}			4541843				
Aroclor-1242 {5}			4006975				
Aroclor-1248			7117256				
Aroclor-1248 {2}			3925476				
Aroclor-1248 {3}			4540071				
Aroclor-1248 {4}			8182652				
Aroclor-1248 {5}			6358148				
Aroclor-1254			9194758				
Aroclor-1254 {2}			5862254				
Aroclor-1254 {3}			10689066				
Aroclor-1254 {4}			12332292				
Aroclor-1254 {5}			11122292				
Aroclor-1260	11342056	13722722	12469555	13113349	10471288	12223794	10.78
Aroclor-1260 {2}	6537781	7416543	5541460	6204325	4455002	6031022	18.41
Aroclor-1260 {3}	14834466	18098052	17572221	18660256	20040316	17841062	10.74
Aroclor-1260 {4}	6493470	7751757	7463240	8390183	8433824	7706495	10.32
Aroclor-1260 {5}	3187570	3014552	3592677	3392965	3356301	3308813	6.61
						Average %RSD	8.86

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/25/2012

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

Data File: R4681.C R4680.C R4679.C R4678.C R4677.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	4.30	4.28	4.28	4.28	4.28	4.28	4.21	4.35
Aroclor-1016 {2}	4.92	4.90	4.90	4.90	4.90	4.90	4.83	4.97
Aroclor-1016 {3}	5.69	5.67	5.67	5.67	5.67	5.67	5.60	5.74
Aroclor-1016 {4}	5.90	5.88	5.89	5.88	5.89	5.89	5.82	5.96
Aroclor-1016 {5}	6.08	6.06	6.06	6.06	6.06	6.07	6.00	6.14
Aroclor-1221			2.90				2.83	2.97
Aroclor-1221 {2}			3.96				3.89	4.03
Aroclor-1221 {3}			4.20				4.13	4.27
Aroclor-1221 {4}			4.30				4.23	4.37
Aroclor-1221 {5}			5.69				5.62	5.76
Aroclor-1232			4.28				4.21	4.35
Aroclor-1232 {2}			5.30				5.23	5.37
Aroclor-1232 {3}			5.89				5.82	5.96
Aroclor-1232 {4}			6.07				6.00	6.14
Aroclor-1232 {5}			6.67				6.60	6.74
Aroclor-1242			5.29				5.22	5.36
Aroclor-1242 {2}			6.06				5.99	6.13
Aroclor-1242 {3}			6.67				6.60	6.74
Aroclor-1242 {4}			6.83				6.76	6.90
Aroclor-1242 {5}			7.39				7.32	7.46
Aroclor-1248			5.67				5.59	5.75
Aroclor-1248 {2}			6.26				6.18	6.34
Aroclor-1248 {3}			6.67				6.59	6.75
Aroclor-1248 {4}			6.83				6.75	6.91
Aroclor-1248 {5}			7.19				7.11	7.27
Aroclor-1254			7.68				7.60	7.76
Aroclor-1254 {2}			8.28				8.20	8.36
Aroclor-1254 {3}			8.72				8.63	8.81
Aroclor-1254 {4}			8.90				8.81	8.99
Aroclor-1254 {5}			9.73				9.64	9.82
Aroclor-1260	8.73	8.72	8.72	8.72	8.72	8.72	7.82	9.62
Aroclor-1260 {2}	9.14	9.13	9.13	9.13	9.13	9.13	8.23	10.03
Aroclor-1260 {3}	10.34	10.33	10.33	10.33	10.33	10.33	9.43	11.23
Aroclor-1260 {4}	10.85	10.84	10.84	10.84	10.84	10.84	9.94	11.74
Aroclor-1260 {5}	11.45	11.44	11.43	11.44	11.44	11.44	10.54	12.34

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/25/2012

Instrument ID: GC-R

GC Column (2nd): DB-1701P

Data File: R4681.C R4680.C R4679.C R4678.C R4677.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	3446827	3618453	2568124	2850262	2606589	3018051	16.10
Aroclor-1016 {2}	7279338	6899933	5191509	5497524	5040490	5981759	17.28
Aroclor-1016 {3}	15788422	15575834	11376095	12136800	11467955	13269021	16.76
Aroclor-1016 {4}	5135730	5173185	4875424	4920578	4696066	4960197	3.96
Aroclor-1016 {5}	4932720	4983944	3692988	4009604	3786797	4281211	14.69
Aroclor-1221			1399234				
Aroclor-1221 {2}			1856047				
Aroclor-1221 {3}			1295894				
Aroclor-1221 {4}			4325671				
Aroclor-1221 {5}			849503				
Aroclor-1232			3173316				
Aroclor-1232 {2}			1230964				
Aroclor-1232 {3}			2334421				
Aroclor-1232 {4}			1946142				
Aroclor-1232 {5}			2686112				
Aroclor-1242			2194969				
Aroclor-1242 {2}			3631791				
Aroclor-1242 {3}			4714704				
Aroclor-1242 {4}			3970986				
Aroclor-1242 {5}			7486827				
Aroclor-1248			6948091				
Aroclor-1248 {2}			9876047				
Aroclor-1248 {3}			7299720				
Aroclor-1248 {4}			6267463				
Aroclor-1248 {5}			3620212				
Aroclor-1254			9335087				
Aroclor-1254 {2}			7373175				
Aroclor-1254 {3}			4649475				
Aroclor-1254 {4}			6812299				
Aroclor-1254 {5}			9435176				
Aroclor-1260	7636709	7885868	5821760	5633635	5478146	6491224	18.01
Aroclor-1260 {2}	8541849	8104498	6493439	6222193	6213780	7115152	15.73
Aroclor-1260 {3}	5665808	5833123	4987072	4559010	4407115	5090426	12.59
Aroclor-1260 {4}	11312712	11827717	10767219	10021456	10052855	10796392	7.30
Aroclor-1260 {5}	6791012	8043723	7982102	7158951	7011385	7397434	7.80
						Average %RSD	13.02

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/25/2012

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

Data File: R4681.D R4680.D R4679.D R4678.D R4677.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1262			9.55				8.65	8.65
Aroclor-1262 {2}			10.42				9.52	9.52
Aroclor-1262 {3}			11.06				10.16	10.16
Aroclor-1262 {4}			11.15				10.15	10.15
Aroclor-1262 {5}			11.99				10.99	10.99
Aroclor-1268			11.06				10.06	10.06
Aroclor-1268 {2}			11.15				10.05	10.05
Aroclor-1268 {3}			11.63				10.53	10.53
Aroclor-1268 {4}			11.76				10.66	10.66
Aroclor-1268 {5}			12.60				11.50	11.50

GC Column (2nd): DB-1701P

Data File: R4681.C R4680.C R4679.C R4678.C R4677.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1262			10.33				9.43	9.43
Aroclor-1262 {2}			10.84				9.94	9.94
Aroclor-1262 {3}			11.34				10.44	10.44
Aroclor-1262 {4}			11.43				10.43	10.43
Aroclor-1262 {5}			12.04				11.04	11.04
Aroclor-1268			11.34				10.34	10.34
Aroclor-1268 {2}			11.42				10.32	10.32
Aroclor-1268 {3}			11.68				10.58	10.58
Aroclor-1268 {4}			11.82				10.72	10.72
Aroclor-1268 {5}			12.91				11.81	11.81

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/25/2012

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

Data File: R4681.D R4680.D R4679.D R4678.D R4677.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			16074220				
Aroclor-1262 {2}			31521245				
Aroclor-1262 {3}			12508545				
Aroclor-1262 {4}			13301541				
Aroclor-1262 {5}			8590982				
Aroclor-1268			30843963				
Aroclor-1268 {2}			28339275				
Aroclor-1268 {3}			22287989				
Aroclor-1268 {4}			5458272				
Aroclor-1268 {5}			54237903				

GC Column (2nd): DB-1701P

Data File: R4681.C R4680.C R4679.C R4678.C R4677.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			7786999				
Aroclor-1262 {2}			16727967				
Aroclor-1262 {3}			5580000				
Aroclor-1262 {4}			11184869				
Aroclor-1262 {5}			2224022				
Aroclor-1268			16745529				
Aroclor-1268 {2}			16893121				
Aroclor-1268 {3}			13551270				
Aroclor-1268 {4}			3551270				
Aroclor-1268 {5}			39045491				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/26/2012 **Instrument ID:** GC-R

Data File: R4755.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.98	3.91	4.05	2961826	3224705	8.88
Aroclor-1016 {2}	4.87	4.80	4.94	3618819	3222247	10.96
Aroclor-1016 {3}	5.46	5.39	5.53	5383146	5882827	9.28
Aroclor-1016 {4}	5.99	5.92	6.06	2467741	2873696	16.45
Aroclor-1016 {5}	6.40	6.33	6.47	4408302	4892436	10.98
Aroclor-1260	9.26	8.35	10.15	12223794	13874197	13.50
Aroclor-1260 {2}	9.94	9.04	10.84	6031022	6960890	15.42
Aroclor-1260 {3}	10.42	9.52	11.32	17841062	21105287	18.30
Aroclor-1260 {4}	10.91	10.01	11.81	7706495	8916771	15.70
Aroclor-1260 {5}	11.99	11.09	12.89	3308813	3529591	6.67
					Average %D	12.61

Data File: R4755.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.28	4.21	4.35	3018051	3297339	9.25
Aroclor-1016 {2}	4.90	4.83	4.97	5981759	6440658	7.67
Aroclor-1016 {3}	5.67	5.60	5.74	13269021	14191954	6.96
Aroclor-1016 {4}	5.88	5.82	5.96	4960197	5588632	12.67
Aroclor-1016 {5}	6.06	6.00	6.14	4281211	4814765	12.46
Aroclor-1260	8.72	7.82	9.62	6491224	7258078	11.81
Aroclor-1260 {2}	9.13	8.23	10.03	7115152	7392842	3.90
Aroclor-1260 {3}	10.33	9.43	11.23	5090426	5674504	11.47
Aroclor-1260 {4}	10.84	9.94	11.74	10796392	12280593	13.75
Aroclor-1260 {5}	11.43	10.54	12.34	7397434	8397278	13.52
					Average %D	10.35

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/27/2012 **Instrument ID:** GC-R

Data File: R4780.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.98	3.91	4.05	2961826	2984291	0.76
Aroclor-1016 {2}	4.88	4.80	4.94	3618819	3025920	16.38
Aroclor-1016 {3}	5.46	5.39	5.53	5383146	5260869	2.27
Aroclor-1016 {4}	5.99	5.92	6.06	2467741	2599297	5.33
Aroclor-1016 {5}	6.40	6.33	6.47	4408302	4329708	1.78
Aroclor-1260	9.26	8.35	10.15	12223794	12081365	1.17
Aroclor-1260 {2}	9.94	9.04	10.84	6031022	5421083	10.11
Aroclor-1260 {3}	10.42	9.52	11.32	17841062	16862350	5.49
Aroclor-1260 {4}	10.92	10.01	11.81	7706495	7157245	7.13
Aroclor-1260 {5}	11.99	11.09	12.89	3308813	3321375	0.38
					Average %D	5.08

Data File: R4780.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.28	4.21	4.35	3018051	3222045	6.76
Aroclor-1016 {2}	4.90	4.83	4.97	5981759	6231752	4.18
Aroclor-1016 {3}	5.67	5.60	5.74	13269021	13607756	2.55
Aroclor-1016 {4}	5.89	5.82	5.96	4960197	5294348	6.74
Aroclor-1016 {5}	6.06	6.00	6.14	4281211	4576762	6.90
Aroclor-1260	8.72	7.82	9.62	6491224	6451814	0.61
Aroclor-1260 {2}	9.13	8.23	10.03	7115152	6532822	8.18
Aroclor-1260 {3}	10.33	9.43	11.23	5090426	5352230	5.14
Aroclor-1260 {4}	10.84	9.94	11.74	10796392	12395053	14.81
Aroclor-1260 {5}	11.44	10.54	12.34	7397434	8678627	17.32
					Average %D	7.32

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/28/2012 Instrument ID: GC-R

Data File: R4807.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.98	3.91	4.05	2961826	3009898	1.62
Aroclor-1016 {2}	4.88	4.80	4.94	3618819	3600292	0.51
Aroclor-1016 {3}	5.47	5.39	5.53	5383146	5387452	0.08
Aroclor-1016 {4}	6.00	5.92	6.06	2467741	2708850	9.77
Aroclor-1016 {5}	6.41	6.33	6.47	4408302	4686662	6.31
Aroclor-1260	9.26	8.35	10.15	12223794	12416797	1.58
Aroclor-1260 {2}	9.95	9.04	10.84	6031022	5431287	9.94
Aroclor-1260 {3}	10.43	9.52	11.32	17841062	16903525	5.25
Aroclor-1260 {4}	10.92	10.01	11.81	7706495	6927995	10.10
Aroclor-1260 {5}	12.00	11.09	12.89	3308813	3458491	4.52
					Average %D	4.97

Data File: R4807.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.30	4.21	4.35	3018051	2966785	1.70
Aroclor-1016 {2}	4.92	4.83	4.97	5981759	5718015	4.41
Aroclor-1016 {3}	5.69	5.60	5.74	13269021	12378297	6.71
Aroclor-1016 {4}	5.90	5.82	5.96	4960197	5073256	2.28
Aroclor-1016 {5}	6.08	6.00	6.14	4281211	4481435	4.68
Aroclor-1260	8.74	7.82	9.62	6491224	5537709	14.69
Aroclor-1260 {2}	9.15	8.23	10.03	7115152	5863797	17.59
Aroclor-1260 {3}	10.34	9.43	11.23	5090426	4517011	11.26
Aroclor-1260 {4}	10.85	9.94	11.74	10796392	9090152	15.80
Aroclor-1260 {5}	11.45	10.54	12.34	7397434	6276103	15.16
					Average %D	9.43

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/28/2012 **Instrument ID:** GC-R

Data File: R4814.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.98	3.91	4.05	2961826	3377735	14.04
Aroclor-1016 {2}	4.87	4.80	4.94	3618819	3068483	15.21
Aroclor-1016 {3}	5.46	5.39	5.53	5383146	6009450	11.63
Aroclor-1016 {4}	5.99	5.92	6.06	2467741	2940145	19.14
Aroclor-1016 {5}	6.41	6.33	6.47	4408302	4922881	11.67
Aroclor-1260	9.26	8.35	10.15	12223794	14564986	19.15
Aroclor-1260 {2}	9.95	9.04	10.84	6031022	7116768	18.00
Aroclor-1260 {3}	10.42	9.52	11.32	17841062	20680916	15.92
Aroclor-1260 {4}	10.92	10.01	11.81	7706495	8269613	7.31
Aroclor-1260 {5}	11.99	11.09	12.89	3308813	3339112	0.92
					Average %D	13.30

Data File: R4814.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.28	4.21	4.35	3018051	3179097	5.34
Aroclor-1016 {2}	4.90	4.83	4.97	5981759	5704398	4.64
Aroclor-1016 {3}	5.67	5.60	5.74	13269021	12495264	5.83
Aroclor-1016 {4}	5.89	5.82	5.96	4960197	4785270	3.53
Aroclor-1016 {5}	6.07	6.00	6.14	4281211	4313820	0.76
Aroclor-1260	8.72	7.82	9.62	6491224	6139886	5.41
Aroclor-1260 {2}	9.13	8.23	10.03	7115152	5983023	15.91
Aroclor-1260 {3}	10.33	9.43	11.23	5090426	5202756	2.21
Aroclor-1260 {4}	10.84	9.94	11.74	10796392	11163445	3.40
Aroclor-1260 {5}	11.44	10.54	12.34	7397434	8058299	8.93
					Average %D	5.60

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 11/15/2012 **Instrument ID:** GC-R

Data File: R5088.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.98	3.91	4.05	2961826	2772448	6.39
Aroclor-1016 {2}	4.88	4.80	4.94	3618819	3149537	12.97
Aroclor-1016 {3}	5.47	5.39	5.53	5383146	4993285	7.24
Aroclor-1016 {4}	6.00	5.92	6.06	2467741	2340843	5.14
Aroclor-1016 {5}	6.41	6.33	6.47	4408302	3972264	9.89
Aroclor-1260	9.26	8.35	10.15	12223794	11878812	2.82
Aroclor-1260 {2}	9.95	9.04	10.84	6031022	5782662	4.12
Aroclor-1260 {3}	10.43	9.52	11.32	17841062	17852012	0.06
Aroclor-1260 {4}	10.92	10.01	11.81	7706495	8590411	11.47
Aroclor-1260 {5}	12.00	11.09	12.89	3308813	2860401	13.55
					Average %D	7.37

Data File: R5088.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.28	4.21	4.35	3018051	2971637	1.54
Aroclor-1016 {2}	4.90	4.83	4.97	5981759	5518397	7.75
Aroclor-1016 {3}	5.67	5.60	5.74	13269021	11997434	9.58
Aroclor-1016 {4}	5.89	5.82	5.96	4960197	4817119	2.88
Aroclor-1016 {5}	6.07	6.00	6.14	4281211	4022962	6.03
Aroclor-1260	8.72	7.82	9.62	6491224	6104494	5.96
Aroclor-1260 {2}	9.13	8.23	10.03	7115152	6071316	14.67
Aroclor-1260 {3}	10.33	9.43	11.23	5090426	4808114	5.55
Aroclor-1260 {4}	10.84	9.94	11.74	10796392	10067698	6.75
Aroclor-1260 {5}	11.44	10.54	12.34	7397434	6928507	6.34
					Average %D	6.70

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 11/15/2012 **Instrument ID:** GC-R

Data File: R5092.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.99	3.91	4.05	2961826	2784166	6.00
Aroclor-1016 {2}	4.88	4.80	4.94	3618819	3195777	11.69
Aroclor-1016 {3}	5.47	5.39	5.53	5383146	5065600	5.90
Aroclor-1016 {4}	6.00	5.92	6.06	2467741	2430416	1.51
Aroclor-1016 {5}	6.41	6.33	6.47	4408302	4069826	7.68
Aroclor-1260	9.26	8.35	10.15	12223794	12302225	0.64
Aroclor-1260 {2}	9.95	9.04	10.84	6031022	5591819	7.28
Aroclor-1260 {3}	10.43	9.52	11.32	17841062	18439673	3.36
Aroclor-1260 {4}	10.92	10.01	11.81	7706495	8455077	9.71
Aroclor-1260 {5}	12.00	11.09	12.89	3308813	3599881	8.80
					Average %D	6.26

Data File: R5092.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.28	4.21	4.35	3018051	3006142	0.39
Aroclor-1016 {2}	4.90	4.83	4.97	5981759	5573979	6.82
Aroclor-1016 {3}	5.67	5.60	5.74	13269021	12126954	8.61
Aroclor-1016 {4}	5.89	5.82	5.96	4960197	4919724	0.82
Aroclor-1016 {5}	6.07	6.00	6.14	4281211	4107112	4.07
Aroclor-1260	8.72	7.82	9.62	6491224	6207973	4.36
Aroclor-1260 {2}	9.13	8.23	10.03	7115152	6288391	11.62
Aroclor-1260 {3}	10.33	9.43	11.23	5090426	5005799	1.66
Aroclor-1260 {4}	10.84	9.94	11.74	10796392	10475839	2.97
Aroclor-1260 {5}	11.44	10.54	12.34	7397434	7439591	0.57
					Average %D	4.19

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 11/15/2012 **Instrument ID:** GC-R

Data File: R5093.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.99	3.91	4.05	2961826	3111379	5.05
Aroclor-1016 {2}	4.88	4.80	4.94	3618819	3475938	3.95
Aroclor-1016 {3}	5.47	5.39	5.53	5383146	5539233	2.90
Aroclor-1016 {4}	6.00	5.92	6.06	2467741	2570376	4.16
Aroclor-1016 {5}	6.41	6.33	6.47	4408302	4351330	1.29
Aroclor-1260	9.27	8.35	10.15	12223794	12653444	3.51
Aroclor-1260 {2}	9.95	9.04	10.84	6031022	5768212	4.36
Aroclor-1260 {3}	10.43	9.52	11.32	17841062	16782783	5.93
Aroclor-1260 {4}	10.92	10.01	11.81	7706495	8457142	9.74
Aroclor-1260 {5}	12.00	11.09	12.89	3308813	3549298	7.27
					Average %D	4.82

Data File: R5093.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.30	4.21	4.35	3018051	3362351	11.41
Aroclor-1016 {2}	4.92	4.83	4.97	5981759	6156423	2.92
Aroclor-1016 {3}	5.69	5.60	5.74	13269021	13394496	0.95
Aroclor-1016 {4}	5.90	5.82	5.96	4960197	5383846	8.54
Aroclor-1016 {5}	6.08	6.00	6.14	4281211	4527478	5.75
Aroclor-1260	8.73	7.82	9.62	6491224	6657454	2.56
Aroclor-1260 {2}	9.14	8.23	10.03	7115152	6835455	3.93
Aroclor-1260 {3}	10.34	9.43	11.23	5090426	5616743	10.34
Aroclor-1260 {4}	10.85	9.94	11.74	10796392	11646860	7.88
Aroclor-1260 {5}	11.45	10.54	12.34	7397434	7897699	6.76
					Average %D	6.10

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 11/15/2012 **Instrument ID:** GC-R

Data File: R5098.D **GC Column (1st):** DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.99	3.91	4.05	2961826	2930910	1.04
Aroclor-1016 {2}	4.88	4.80	4.94	3618819	3249272	10.21
Aroclor-1016 {3}	5.47	5.39	5.53	5383146	5313880	1.29
Aroclor-1016 {4}	6.00	5.92	6.06	2467741	2539069	2.89
Aroclor-1016 {5}	6.41	6.33	6.47	4408302	4273045	3.07
Aroclor-1260	9.26	8.35	10.15	12223794	12432879	1.71
Aroclor-1260 {2}	9.95	9.04	10.84	6031022	5777637	4.20
Aroclor-1260 {3}	10.43	9.52	11.32	17841062	18738076	5.03
Aroclor-1260 {4}	10.92	10.01	11.81	7706495	8007588	3.91
Aroclor-1260 {5}	11.99	11.09	12.89	3308813	3310736	0.06
					Average %D	3.34

Data File: R5098.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	4.28	4.21	4.35	3018051	3196104	5.90
Aroclor-1016 {2}	4.90	4.83	4.97	5981759	5768137	3.57
Aroclor-1016 {3}	5.67	5.60	5.74	13269021	12497570	5.81
Aroclor-1016 {4}	5.89	5.82	5.96	4960197	5036119	1.53
Aroclor-1016 {5}	6.07	6.00	6.14	4281211	4254707	0.62
Aroclor-1260	8.72	7.82	9.62	6491224	6452949	0.59
Aroclor-1260 {2}	9.13	8.23	10.03	7115152	6491769	8.76
Aroclor-1260 {3}	10.33	9.43	11.23	5090426	5367064	5.43
Aroclor-1260 {4}	10.84	9.94	11.74	10796392	11301844	4.68
Aroclor-1260 {5}	11.44	10.54	12.34	7397434	8147341	10.14
					Average %D	4.70

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 11/07/2012

Instrument ID: GC-Y

GC Column (2nd): ~~RTX-CLP2~~ DB 1701 P

11/16/12 AD

Data File: Y3056.C Y3055.C Y3054.C Y3053.C Y3052.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	626815	610236	527914	487754	459459	542436	13.61
Aroclor-1016 {2}	1121875	1167760	1025176	939683	894353	1029769	11.28
Aroclor-1016 {3}	2560922	2543061	2351484	2171572	2103362	2346080	8.90
Aroclor-1016 {4}	1005423	1140432	1024563	944412	903074	1003581	9.02
Aroclor-1016 {5}	933963	860730	788792	734195	710769	805690	11.42
Aroclor-1221			213061				
Aroclor-1221 {2}			330633				
Aroclor-1221 {3}			203480				
Aroclor-1221 {4}			746450				
Aroclor-1221 {5}			137790				
Aroclor-1232			537117				
Aroclor-1232 {2}			201108				
Aroclor-1232 {3}			436561				
Aroclor-1232 {4}			342623				
Aroclor-1232 {5}			466551				
Aroclor-1242			381365				
Aroclor-1242 {2}			653530				
Aroclor-1242 {3}			828147				
Aroclor-1242 {4}			695142				
Aroclor-1242 {5}			1371936				
Aroclor-1248			1206804				
Aroclor-1248 {2}			1816452				
Aroclor-1248 {3}			1291905				
Aroclor-1248 {4}			1189875				
Aroclor-1248 {5}			653110				
Aroclor-1254			1663537				
Aroclor-1254 {2}			1325702				
Aroclor-1254 {3}			1280148				
Aroclor-1254 {4}			788026				
Aroclor-1254 {5}			1860727				
Aroclor-1260	1081731	950491	848788	780002	751332	882469	15.33
Aroclor-1260 {2}	1572324	1377546	1276401	1163129	1116037	1301088	14.03
Aroclor-1260 {3}	1367336	1115289	1103497	1004433	979658	1114043	13.79
Aroclor-1260 {4}	2987858	2318807	2523156	2278157	2235407	2468677	12.58
Aroclor-1260 {5}	1854595	1709771	1842823	1625341	1580185	1722543	7.21
					Average %RSD		11.72

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 11/07/2012

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

Data File: Y3056.D Y3055.D Y3054.D Y3053.D Y3052.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1262			8.63				7.73	7.73
Aroclor-1262 {2}			9.49				8.59	8.59
Aroclor-1262 {3}			10.12				9.22	9.22
Aroclor-1262 {4}			10.20				9.20	9.20
Aroclor-1262 {5}			11.03				10.03	10.03
Aroclor-1268			10.11				9.11	9.11
Aroclor-1268 {2}			10.20				9.10	9.10
Aroclor-1268 {3}			10.67				9.57	9.57
Aroclor-1268 {4}			10.80				9.70	9.70
Aroclor-1268 {5}			11.63				10.53	10.53

GC Column (2nd): DB-1701P

Data File: Y3056.C Y3055.C Y3054.C Y3053.C Y3052.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1262			9.71				8.81	8.81
Aroclor-1262 {2}			10.22				9.32	9.32
Aroclor-1262 {3}			10.71				9.81	9.81
Aroclor-1262 {4}			10.80				9.80	9.80
Aroclor-1262 {5}			11.40				10.40	10.40
Aroclor-1268			10.71				9.71	9.71
Aroclor-1268 {2}			10.79				9.69	9.69
Aroclor-1268 {3}			11.04				9.94	9.94
Aroclor-1268 {4}			11.19				10.09	10.09
Aroclor-1268 {5}			12.27				11.17	11.17

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 11/07/2012

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y3056.D Y3055.D Y3054.D Y3053.D Y3052.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			9438484				
Aroclor-1262 {2}			18050528				
Aroclor-1262 {3}			6000850				
Aroclor-1262 {4}			7762354				
Aroclor-1262 {5}			5993534				
Aroclor-1268			17099458				
Aroclor-1268 {2}			20605945				
Aroclor-1268 {3}			14873825				
Aroclor-1268 {4}			4192938				
Aroclor-1268 {5}			36206504				

GC Column (2nd): DB-1701P

Data File: Y3056.C Y3055.C Y3054.C Y3053.C Y3052.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			1562543				
Aroclor-1262 {2}			3701721				
Aroclor-1262 {3}			1214413				
Aroclor-1262 {4}			2635532				
Aroclor-1262 {5}			647167				
Aroclor-1268			3571133				
Aroclor-1268 {2}			4042215				
Aroclor-1268 {3}			3167241				
Aroclor-1268 {4}			867908				
Aroclor-1268 {5}			9527691				

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 11/07/2012 **Instrument ID:** GC-Y

Data File: Y3071.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.28	3.21	3.35	2451373	2558187	4.36
Aroclor-1016 {2}	4.11	4.04	4.18	3371098	3498008	3.76
Aroclor-1016 {3}	4.67	4.59	4.73	4617766	4894989	6.00
Aroclor-1016 {4}	5.17	5.10	5.24	2269111	2394190	5.51
Aroclor-1016 {5}	5.57	5.49	5.63	3629342	3800840	4.73
Aroclor-1260	8.34	7.44	9.24	10428530	9814339	5.89
Aroclor-1260 {2}	9.01	8.11	9.91	4612113	4203881	8.85
Aroclor-1260 {3}	9.49	8.59	10.39	11725007	10640251	9.25
Aroclor-1260 {4}	9.97	9.07	10.87	5971161	5401671	9.54
Aroclor-1260 {5}	11.03	10.13	11.93	3186126	2556139	19.77
					Average %D	7.77

Data File: Y3071.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.70	3.84	542436	550914	1.56
Aroclor-1016 {2}	4.37	4.30	4.44	1029769	1068164	3.73
Aroclor-1016 {3}	5.12	5.05	5.19	2346080	2442647	4.12
Aroclor-1016 {4}	5.33	5.26	5.40	1003581	1072575	6.87
Aroclor-1016 {5}	5.51	5.44	5.58	805690	833095	3.40
Aroclor-1260	7.87	6.97	8.77	882469	831987	5.72
Aroclor-1260 {2}	8.12	7.22	9.02	1301088	1217745	6.41
Aroclor-1260 {3}	9.71	8.81	10.61	1114043	1048606	5.87
Aroclor-1260 {4}	10.22	9.32	11.12	2468677	2311971	6.35
Aroclor-1260 {5}	10.80	9.91	11.71	1722543	1577577	8.42
					Average %D	5.24

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 11/08/2012 **Instrument ID:** GC-Y

Data File: Y3090.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.29	3.21	3.35	2451373	2531657	3.28
Aroclor-1016 {2}	4.11	4.04	4.18	3371098	3497406	3.75
Aroclor-1016 {3}	4.67	4.59	4.73	4617766	4844039	4.90
Aroclor-1016 {4}	5.17	5.10	5.24	2269111	2373006	4.58
Aroclor-1016 {5}	5.57	5.49	5.63	3629342	3787422	4.36
Aroclor-1260	8.34	7.44	9.24	10428530	11894180	14.05
Aroclor-1260 {2}	9.01	8.11	9.91	4612113	5330092	15.57
Aroclor-1260 {3}	9.49	8.59	10.39	11725007	12975597	10.67
Aroclor-1260 {4}	9.97	9.07	10.87	5971161	6630702	11.05
Aroclor-1260 {5}	11.03	10.13	11.93	3186126	3147263	1.22
					Average %D	7.34

Data File: Y3090.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.70	3.84	542436	565808	4.31
Aroclor-1016 {2}	4.37	4.30	4.44	1029769	1087622	5.62
Aroclor-1016 {3}	5.13	5.05	5.19	2346080	2481807	5.79
Aroclor-1016 {4}	5.33	5.26	5.40	1003581	1096964	9.31
Aroclor-1016 {5}	5.51	5.44	5.58	805690	843611	4.71
Aroclor-1260	7.87	6.97	8.77	882469	931344	5.54
Aroclor-1260 {2}	8.12	7.22	9.02	1301088	1411263	8.47
Aroclor-1260 {3}	9.71	8.81	10.61	1114043	1225652	10.02
Aroclor-1260 {4}	10.22	9.32	11.12	2468677	2795563	13.24
Aroclor-1260 {5}	10.81	9.91	11.71	1722543	2010363	16.71
					Average %D	8.37

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 11/09/2012 Instrument ID: GC-Y

Data File: Y3159.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.28	3.21	3.35	2451373	2115962	13.68
Aroclor-1016 {2}	4.10	4.04	4.18	3371098	3538500	4.97
Aroclor-1016 {3}	4.66	4.59	4.73	4617766	3835730	16.94
Aroclor-1016 {4}	5.16	5.10	5.24	2269111	2064804	9.00
Aroclor-1016 {5}	5.56	5.49	5.63	3629342	3087716	14.92
Aroclor-1260	8.34	7.44	9.24	10428530	9138279	12.37
Aroclor-1260 {2}	9.01	8.11	9.91	4612113	3868916	16.11
Aroclor-1260 {3}	9.49	8.59	10.39	11725007	10524184	10.24
Aroclor-1260 {4}	9.97	9.07	10.87	5971161	5232991	12.36
Aroclor-1260 {5}	11.03	10.13	11.93	3186126	2754012	13.56
					Average %D	12.42

Data File: Y3159.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.70	3.84	542436	574388	5.89
Aroclor-1016 {2}	4.38	4.30	4.44	1029769	1156938	12.35
Aroclor-1016 {3}	5.13	5.05	5.19	2346080	2480328	5.72
Aroclor-1016 {4}	5.34	5.26	5.40	1003581	939725	6.36
Aroclor-1016 {5}	5.51	5.44	5.58	805690	955179	18.55
Aroclor-1260	7.87	6.97	8.77	882469	888887	0.73
Aroclor-1260 {2}	8.13	7.22	9.02	1301088	1524808	17.19
Aroclor-1260 {3}	9.71	8.81	10.61	1114043	1263376	13.40
Aroclor-1260 {4}	10.22	9.32	11.12	2468677	2926407	18.54
Aroclor-1260 {5}	10.81	9.91	11.71	1722543	1948385	13.11
					Average %D	11.19

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 11/09/2012 Instrument ID: GC-Y

Data File: Y3170.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.29	3.21	3.35	2451373	2056782	16.10
Aroclor-1016 {2}	4.11	4.04	4.18	3371098	3047519	9.60
Aroclor-1016 {3}	4.67	4.59	4.73	4617766	4006925	13.23
Aroclor-1016 {4}	5.17	5.10	5.24	2269111	1963658	13.46
Aroclor-1016 {5}	5.57	5.49	5.63	3629342	3486581	3.93
Aroclor-1260	8.35	7.44	9.24	10428530	8882121	14.83
Aroclor-1260 {2}	9.02	8.11	9.91	4612113	3877292	15.93
Aroclor-1260 {3}	9.49	8.59	10.39	11725007	9711171	17.18
Aroclor-1260 {4}	9.98	9.07	10.87	5971161	5168602	13.44
Aroclor-1260 {5}	11.03	10.13	11.93	3186126	2991507	6.11
					Average %D	12.38

Data File: Y3170.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.77	3.70	3.84	542436	609390	12.34
Aroclor-1016 {2}	4.37	4.30	4.44	1029769	1188035	15.37
Aroclor-1016 {3}	5.13	5.05	5.19	2346080	2576154	9.81
Aroclor-1016 {4}	5.33	5.26	5.40	1003581	963692	3.97
Aroclor-1016 {5}	5.51	5.44	5.58	805690	866333	7.53
Aroclor-1260	7.87	6.97	8.77	882469	1024821	16.13
Aroclor-1260 {2}	8.12	7.22	9.02	1301088	1466866	12.74
Aroclor-1260 {3}	9.71	8.81	10.61	1114043	1221486	9.64
Aroclor-1260 {4}	10.22	9.32	11.12	2468677	2936833	18.96
Aroclor-1260 {5}	10.80	9.91	11.71	1722543	2059532	19.56
					Average %D	12.61

PCB RETENTION TIME SHIFT SUMMARY

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

Surrogate RT from initial calibration :

TCMX 1 2.82 **DCB 1** 12.11 **TCMX 2** 2.90 **DCB 2** 12.48

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS121024-04	10/26/2012	06:31	2.82		12.11		2.90		12.48	
PIT-002/8	10692-001	10/26/2012	06:49	2.82		12.11		2.91		12.48	
PIT-001/8	10692-002	10/26/2012	07:06	2.82		12.11		2.91		12.48	
Y-13_(4.0-	10687-022	10/26/2012	07:40	2.82		12.11		2.90		12.48	
Y-13_(5.0-	10687-023	10/26/2012	07:57	2.82		12.11		2.91		12.48	
Y-12_(0-2.	10687-024	10/26/2012	08:15	2.82		12.11		2.91		12.48	
Y-12_(2.0-	10687-025	10/26/2012	08:32	2.82		12.11		2.91		12.48	
Y-12_(4.0-	10687-026	10/26/2012	08:49	2.82		12.10		2.90		12.48	
Y-12_(5.0-	10687-027	10/26/2012	09:06	2.82		12.11		2.91		12.48	
DD-23_(0-2	10687-028	10/26/2012	09:23	2.82		12.11		2.91		12.48	
DD-23_(4.0	10687-030	10/26/2012	09:57	2.82		12.11		2.91		12.48	
DD-22_(0-2	10687-031	10/26/2012	10:15	2.82		12.11		2.91		12.48	
DD-22_(2.0	10687-032	10/26/2012	10:32	2.82		12.11		2.91		12.48	
DD-22_(4.0	10687-033	10/26/2012	10:49	2.82		12.11		2.91		12.48	
DD-22_(4.5	10687-034	10/26/2012	11:06	2.82		12.10		2.91		12.48	
DD-22_(5.0	10687-035	10/26/2012	11:23	2.82		12.11		2.91		12.48	
DD-21_(0-2	10687-036	10/26/2012	11:41	2.82		12.11		2.91		12.48	
DD-21_(2.0	10687-037	10/26/2012	11:58	2.82		12.10		2.91		12.48	
DD-21_(4.0	10687-038	10/26/2012	12:15	2.82		12.11		2.90		12.48	
PCB	10692-001MS	10/26/2012	12:32	2.82		12.11		2.91		12.48	
PCB	10692-001MSD	10/26/2012	12:49	2.83		12.11		2.91		12.48	
PCB	LCSS121024-04	10/26/2012	13:06	2.82		12.11		2.91		12.48	
Y-13_(2.0-	10687-021	10/26/2012	18:12	2.82		12.11		2.92		12.49	
DD-23_(2.0	10687-029	10/26/2012	18:30	2.82		12.11		2.91		12.48	

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 2.83 **DCB 1** 12.11 **TCMX 2** 2.91 **DCB 2** 12.48

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS121026-02	10/26/2012	20:30	2.83		12.11		2.91		12.48	
AOC-N-PE-8	10802-011	10/26/2012	20:47	2.83		12.11		2.91		12.48	
AOC-N-PE-7	10802-012	10/26/2012	21:04	2.83		12.11		2.91		12.48	
AOC-N-PE-2	10802-013	10/26/2012	21:21	2.83		12.11		2.91		12.48	
AOC-N-PE-1	10802-014	10/26/2012	21:39	2.83		12.11		2.91		12.48	
AOC-N-PE-6	10802-015	10/26/2012	21:56	2.83		12.11		2.91		12.48	
PX-22-4.0/	10824-001	10/26/2012	22:13	2.83		12.11		2.91		12.48	
PX-21-3.0/	10824-003	10/26/2012	22:30	2.83		12.11		2.91		12.48	
PX-20-4.0/	10824-005	10/26/2012	22:47	2.83		12.11		2.91		12.48	
PX-19-4.0/	10824-007	10/26/2012	23:04	2.83		12.11		2.91		12.48	
PX-18-4.0/	10824-009	10/26/2012	23:22	2.83		12.11		2.91		12.48	
PX-17-4.0/	10824-011	10/26/2012	23:39	2.83		12.11		2.91		12.48	
PX-15-4.0/	10824-015	10/27/2012	00:13	2.83		12.11		2.91		12.48	
PX-14-4.0/	10824-017	10/27/2012	00:31	2.83		12.11		2.91		12.48	
PX-13-3.0/	10824-019	10/27/2012	00:48	2.83		12.11		2.91		12.48	
PX-11-4.0/	10824-021	10/27/2012	01:05	2.83		12.11		2.91		12.48	
PX-9-4.0/4	10824-023	10/27/2012	01:22	2.83		12.11		2.91		12.48	
PX-7-4.0/4	10824-025	10/27/2012	01:39	2.83		12.11		2.91		12.48	
DD-21_(5.0	10687-039	10/27/2012	01:56	2.83		12.11		2.91		12.48	
WC-1_ASPHA	10760-001	10/27/2012	02:14	2.83		12.10		2.91		12.48	
PCB	10802-011MS	10/27/2012	02:31	2.82		12.11		2.91		12.48	
PCB	10802-011MSD	10/27/2012	02:48	2.83		12.11		2.91		12.48	
PCB	LCSS121026-02	10/27/2012	03:05	2.83		12.11		2.91		12.48	
PX-16-4.0/	10824-013	10/28/2012	14:21	2.83		12.11		2.91		12.49	

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	3.48	DCB 1	13.10	TCMX 2	3.38	DCB 2	13.14

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS121023-08	10/26/2012	21:23	3.48		13.10		3.38		13.14	
X-15_(0-2.	10687-003	10/26/2012	22:15	3.48		13.10		3.38		13.14	
X-15_(2.0-	10687-004	10/26/2012	22:32	3.48		13.10		3.38		13.14	
X-15_(4.0-	10687-005	10/26/2012	22:50	3.48		13.10		3.38		13.14	
X-16_(0-2.	10687-006	10/26/2012	23:07	3.48		13.10		3.38		13.14	
X-16_(2.0-	10687-007	10/26/2012	23:24	3.48		13.10		3.38		13.14	
X-16_(4.0-	10687-008	10/26/2012	23:42	3.48		13.10		3.38		13.14	
Y-16_(0-2.	10687-009	10/26/2012	23:59	3.48		13.10		3.38		13.14	
Y-16_(2.0-	10687-010	10/27/2012	00:17	3.48		13.10		3.38		13.14	
Y-16_(3.0-	10687-011	10/27/2012	00:34	3.48		13.10		3.38		13.14	
Y-16_(4.0-	10687-012	10/27/2012	00:51	3.48		13.10		3.38		13.14	
Y-15_(2.0-	10687-014	10/27/2012	01:26	3.48		13.10		3.38		13.14	
Y-15_(4.0-	10687-015	10/27/2012	01:43	3.48		13.10		3.38		13.14	
Y-14_(0-2.	10687-016	10/27/2012	02:01	3.48		13.10		3.38		13.14	
Y-14_(2.0-	10687-017	10/27/2012	02:18	3.48		13.10		3.38		13.14	
Y-14_(4.0-	10687-018	10/27/2012	02:36	3.48		13.10		3.38		13.14	
Y-14_(4.5-	10687-019	10/27/2012	02:53	3.48		13.10		3.38		13.14	
Y-13_(0-2.	10687-020	10/27/2012	03:10	3.48		13.10		3.38		13.14	
PCB	10687-020MS	10/27/2012	03:28	3.47		13.10		3.38		13.14	
PCB	10687-020MSD	10/27/2012	03:45	3.48		13.10		3.38		13.14	
PCB	LCSS121023-08	10/27/2012	04:02	3.48		13.10		3.38		13.14	
P-15_(9.0-	10687-002	10/28/2012	14:06	3.48		13.10		3.38		13.15	
P-15_(8.0-	10687-001	11/15/2012	01:15	0.00	D	0.00	D	0.00	D	0.00	D
Y-15_(0-2.	10687-013	11/15/2012	12:16	3.48		13.11		3.38		13.14	

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 2.82 **DCB 1** 12.11 **TCMX 2** 2.91 **DCB 2** 12.48

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKA121025-05	11/08/2012	00:16	2.82		12.11		2.91		12.48	
FB-54	10574-050	11/08/2012	00:33	2.82		12.11		2.90		12.48	
EFFLUENT	10621-001	11/08/2012	00:50	2.82		12.11		2.91		12.48	
FB102212	10685-001	11/08/2012	01:07	2.82		12.11		2.91		12.48	
MW-2R	10622-001	11/08/2012	01:25	2.82		12.11		2.91		12.48	
MW-3	10622-002	11/08/2012	01:42	2.82		12.11		2.91		12.48	
MW-6	10622-003	11/08/2012	01:59	2.82		12.11		2.91		12.48	
MW-7	10622-004	11/08/2012	02:16	2.82		12.11		2.90		12.48	
MW-13	10622-005	11/08/2012	02:33	2.82		12.11		2.90		12.48	
MW-15	10622-006	11/08/2012	02:50	2.82		12.11		2.91		12.48	
FB	10622-007	11/08/2012	03:07	2.82		12.11		2.91		12.48	
FB-55	10655-055	11/08/2012	04:50	2.82		12.11		2.91		12.48	
FB-56	10687-040	11/08/2012	05:07	2.82		12.11		2.90		12.48	
PCB	10627-005MS	11/09/2012	21:28	2.82		12.11		2.91		12.48	
PCB	10627-005MSD	11/09/2012	21:46	2.82		12.11		2.91		12.48	
PCB	LCSA121025-05	11/09/2012	22:03	2.82		12.11		2.90		12.48	

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\11-14-12\
Data File : R5089.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Nov 2012 1:15
Operator : JS
Sample : P-15_(8.0-,10687-001,S,5.05g,14.1,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1000
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 09:18:55 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.31	5.67	8091.3E6	7789.2E6	1136.851	1121.057
24) L6 Aroclor-1248 {2}	5.87	6.27	4327.1E6	10622.9E6	1102.314	1075.618
25) L6 Aroclor-1248 {3}	6.21	6.67	5685.8E6	7876.7E6	1252.368	1079.041
26) L6 Aroclor-1248 {4}	6.93	6.83	9740.9E6	7214.8E6	1190.430	1151.147
27) L6 Aroclor-1248 {5}	7.22	7.19	7402.2E6	3963.2E6	1164.201	1094.744
Sum Aroclor-1248			35247.2E6	37466.7E6	5846.165	5521.606
Average Aroclor-1248					1169.233	1104.321
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

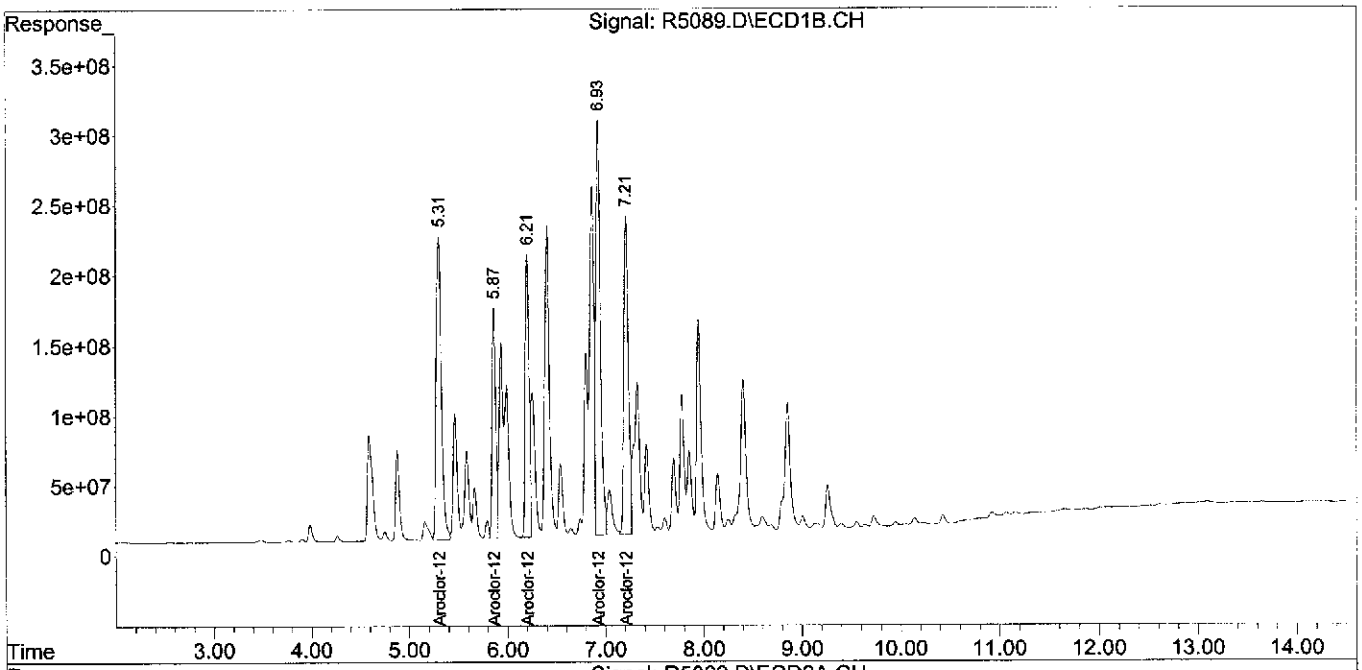
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

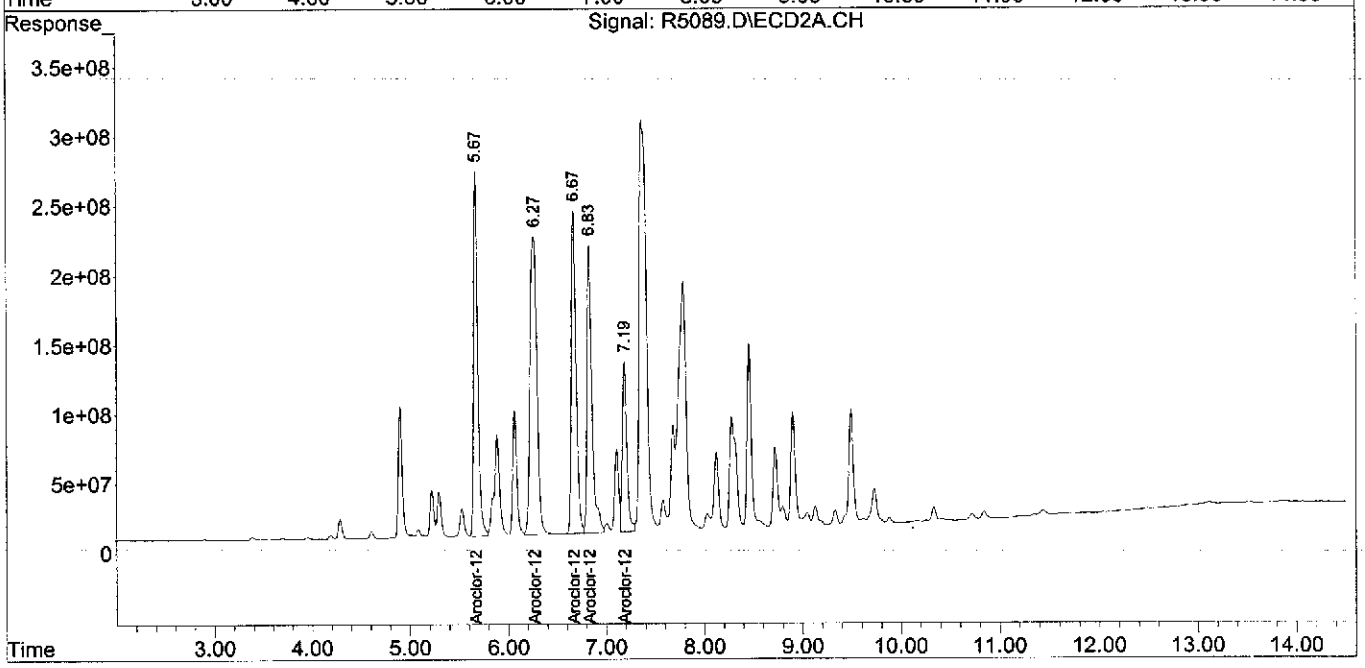
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\11-14-12\
Data File : R5089.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Nov 2012 1:15
Operator : JS
Sample : P-15_(8.0-,10687-001,S,5.05g,14.1,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1000
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 09:18:55 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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\10-28-12\
Data File : R4809.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Oct 2012 14:06
Operator : JS
Sample : P-15_(9.0-,10687-002,S,5.62g,17.8,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,5
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 09:15:26 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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	3.48	3.38	9226.8E6	8063.8E6	57.924	47.452
Spiked Amount 200.000			Recovery	=	28.96%	23.73%
2) S DCB	13.10	13.15	2231.6E6	1548.9E6	48.927m	44.856m
Spiked Amount 200.000			Recovery	=	24.46%	22.43%
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	5.30	5.67	11744.5E6	9896.5E6	1650.147	1424.350
24) L6 Aroclor-1248 {2}	5.86	6.27	6060.1E6	12987.5E6	1543.778	1315.051
25) L6 Aroclor-1248 {3}	6.20	6.67	7360.1E6	9650.0E6	1621.140	1321.970
26) L6 Aroclor-1248 {4}	6.93	6.83	13274.4E6	8199.1E6	1622.258	1308.195
27) L6 Aroclor-1248 {5}	7.21	7.19	10148.6E6	4647.3E6	1596.154	1283.713
Sum Aroclor-1248			48587.6E6	45380.4E6	8033.477	6653.279
Average Aroclor-1248					1606.695	1330.656
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

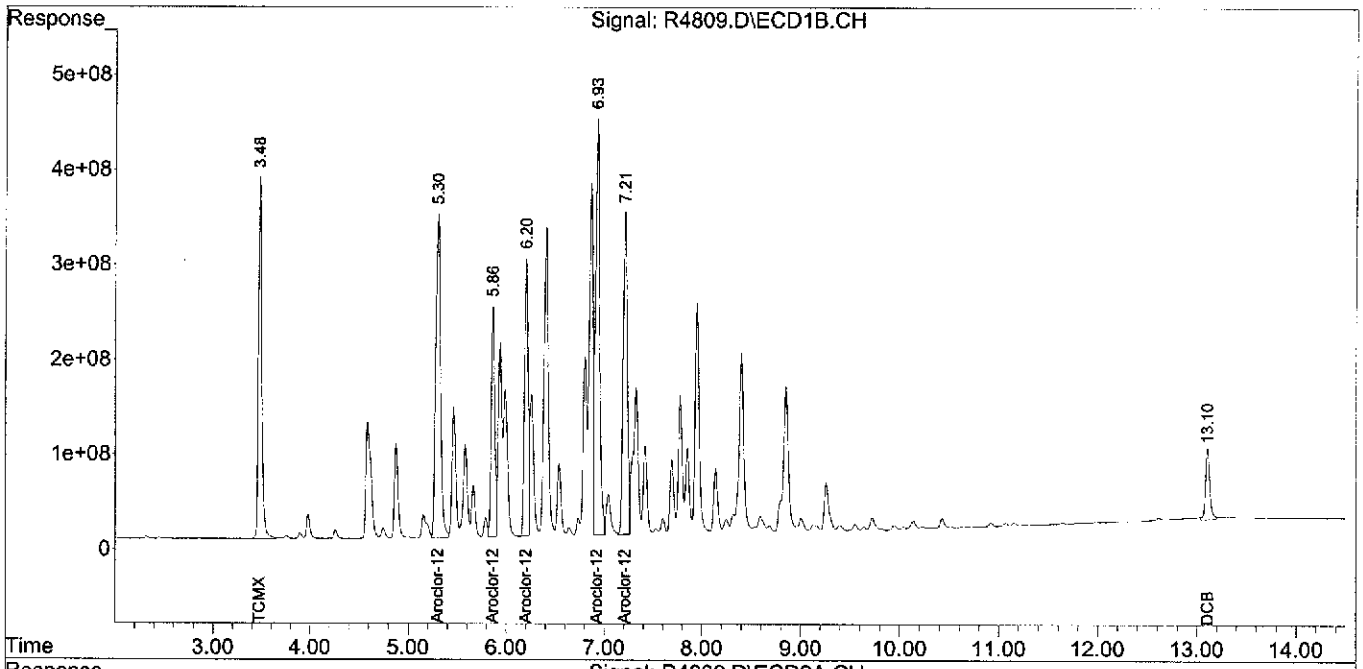
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

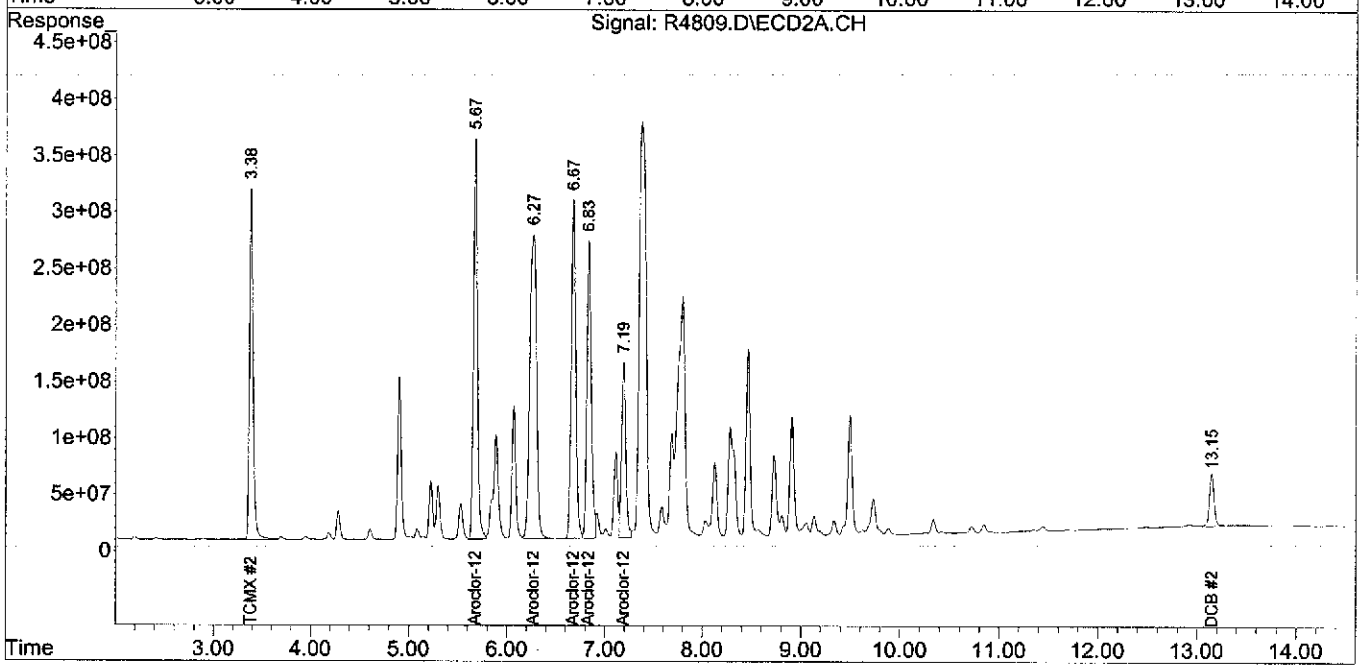
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-28-12\
Data File : R4809.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Oct 2012 14:06
Operator : JS
Sample : P-15_(9.0-,10687-002,S,5.62g,17.8,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,5
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 09:15:26 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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\10-26-12\
Data File : R4759.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 22:15
Operator : JS
Sample : X-15_(0-2.,10687-003,S,5.16g,27.5,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:45:12 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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	3.48	3.38	21332.1E6	24497.2E6	133.920	144.157
Spiked Amount 200.000			Recovery	=	66.96%	72.08%
2) S DCB	13.10	13.14	8457.1E6	6709.7E6	185.419m	194.319m
Spiked Amount 200.000			Recovery	=	92.71%	97.16%
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	5.31	5.67	8317.1E6	7792.2E6	1168.583	1121.493
24) L6 Aroclor-1248 {2}	5.86	6.27	2478.1E6	12349.5E6	631.297	1250.445 #
25) L6 Aroclor-1248 {3}	6.20	6.68	4198.1E6	9343.3E6	924.666	1279.947 #
26) L6 Aroclor-1248 {4}	6.92	6.83	13712.1E6	5531.4E6	1675.748	882.554 #
27) L6 Aroclor-1248 {5}	7.21	7.19	6920.8E6	4094.6E6	1088.495	1131.025
Sum Aroclor-1248			35626.2E6	39110.9E6	5488.790	5665.464
Average Aroclor-1248					1097.758	1133.093
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

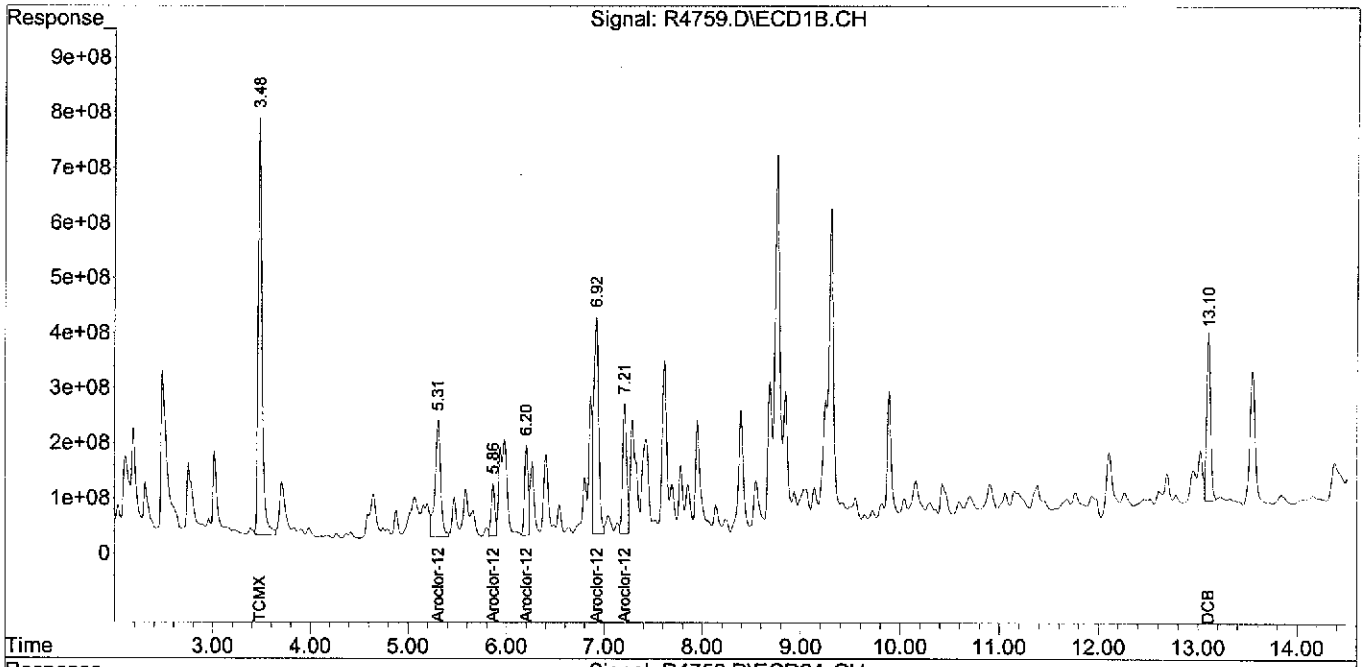
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

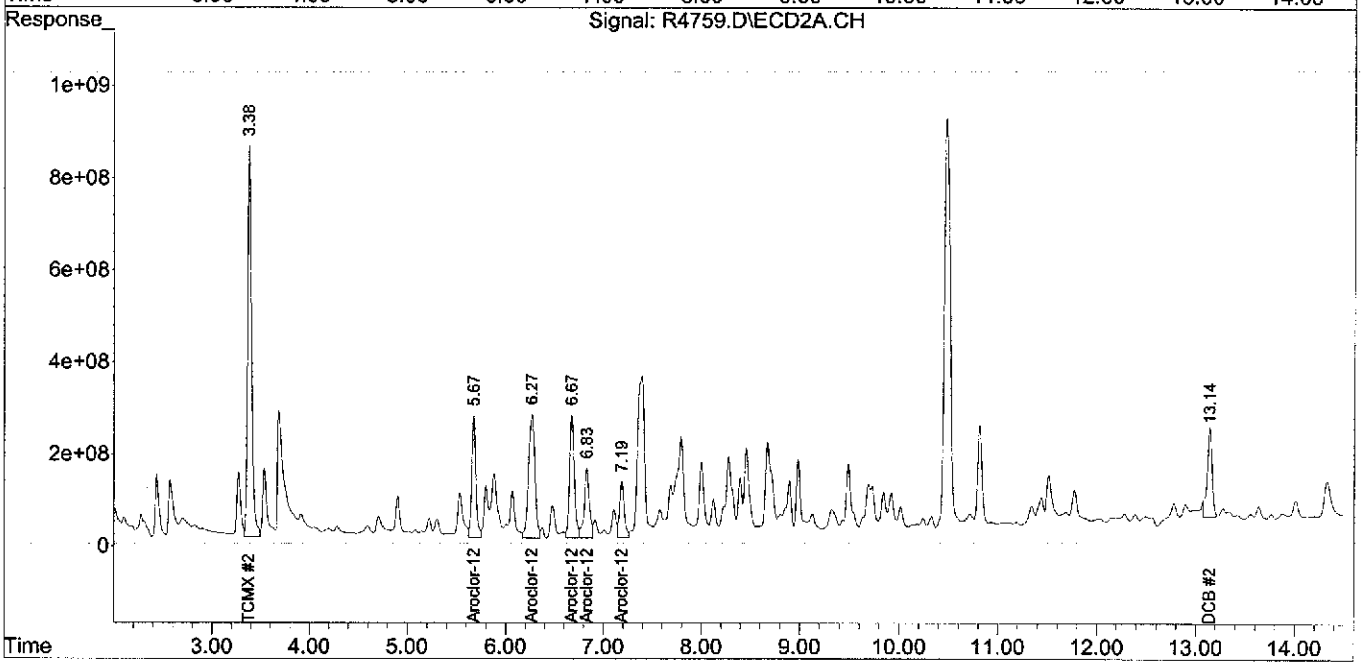
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4759.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 22:15
Operator : JS
Sample : X-15_(0-2.,10687-003,S,5.16g,27.5,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:45:12 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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\10-26-12\
Data File : R4760.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 22:32
Operator : JS
Sample : X-15_(2.0-,10687-004,S,5.63g,25.8,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:44:22 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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	3.48	3.38	23280.8E6	29590.4E6	146.154	174.129
Spiked Amount 200.000			Recovery	=	73.08%	87.06%
2) S DCB	13.10	13.14	8410.7E6	6259.7E6	184.402m	181.287
Spiked Amount 200.000			Recovery	=	92.20%	90.64%
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	5.29	5.67	19221.5E6	19030.6E6	2700.692	2738.964
24) L6 Aroclor-1248 {2}	5.86	6.27	5190.0E6	21315.8E6	1322.124	2158.333 #
25) L6 Aroclor-1248 {3}	6.20	6.68	3587.3E6	6143.1E6	790.147	841.556m
26) L6 Aroclor-1248 {4}	6.92	6.83	5228.3E6	5597.3E6	638.949	893.067m#
27) L6 Aroclor-1248 {5}	7.21	7.19	3948.5E6	2137.1E6	621.011	590.311
Sum Aroclor-1248			37175.6E6	54223.8E6	6072.923	7222.232
Average Aroclor-1248					1214.585	1444.446
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

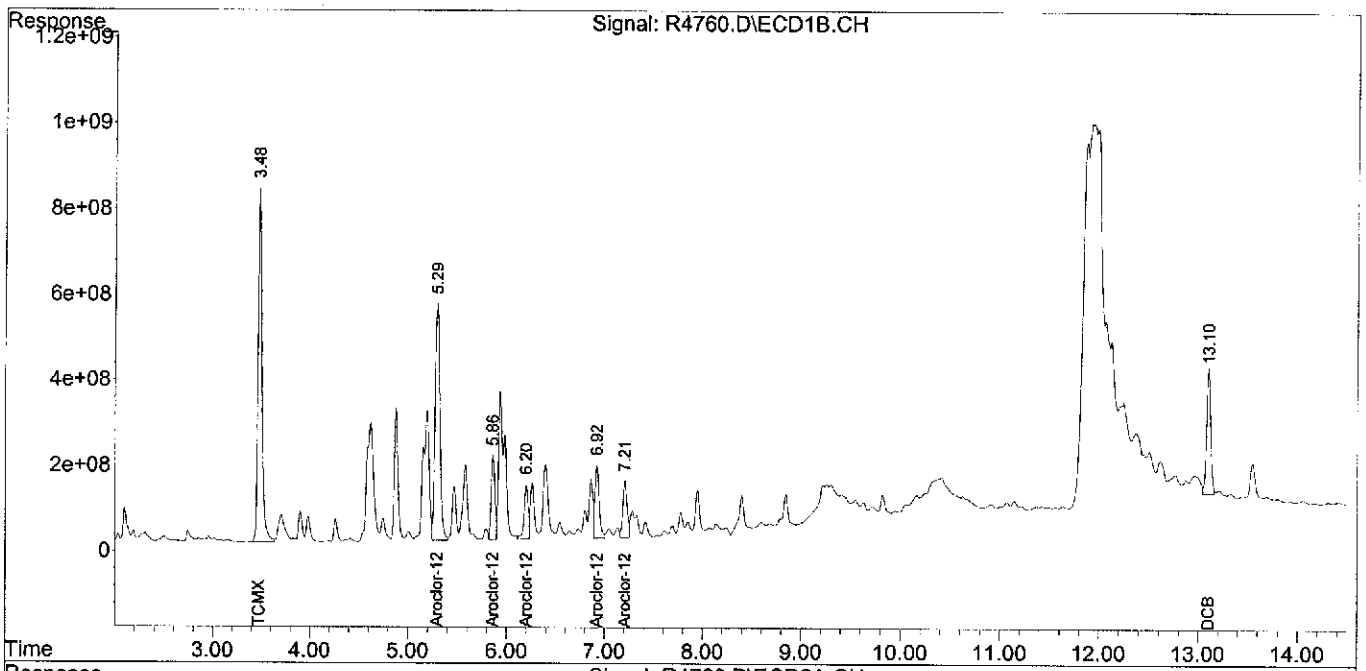
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

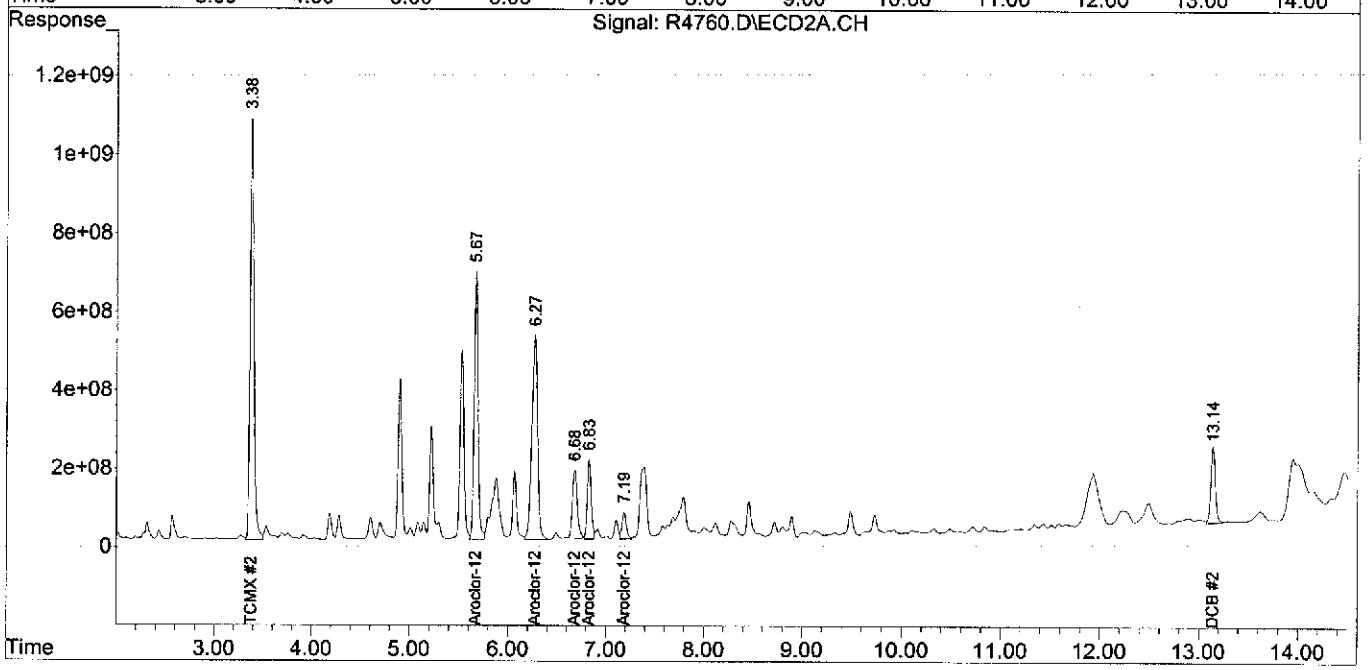
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4760.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 22:32
Operator : JS
Sample : X-15_(2.0-,10687-004,S,5.63g,25.8,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:44:22 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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\10-26-12\
Data File : R4761.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 22:50
Operator : JS
Sample : X-15_(4.0-,10687-005,S,5.30g,19.9,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:45:52 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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	3.48	3.38	27810.5E6	31034.2E6	174.591	182.625
Spiked Amount 200.000			Recovery	=	87.30%	91.31%
2) S DCB	13.10	13.14	8361.7E6	6660.2E6	183.328m	192.885m
Spiked Amount 200.000			Recovery	=	91.66%	96.44%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
verage Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
verage Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
verage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
verage Aroclor-1268					0.000	0.000

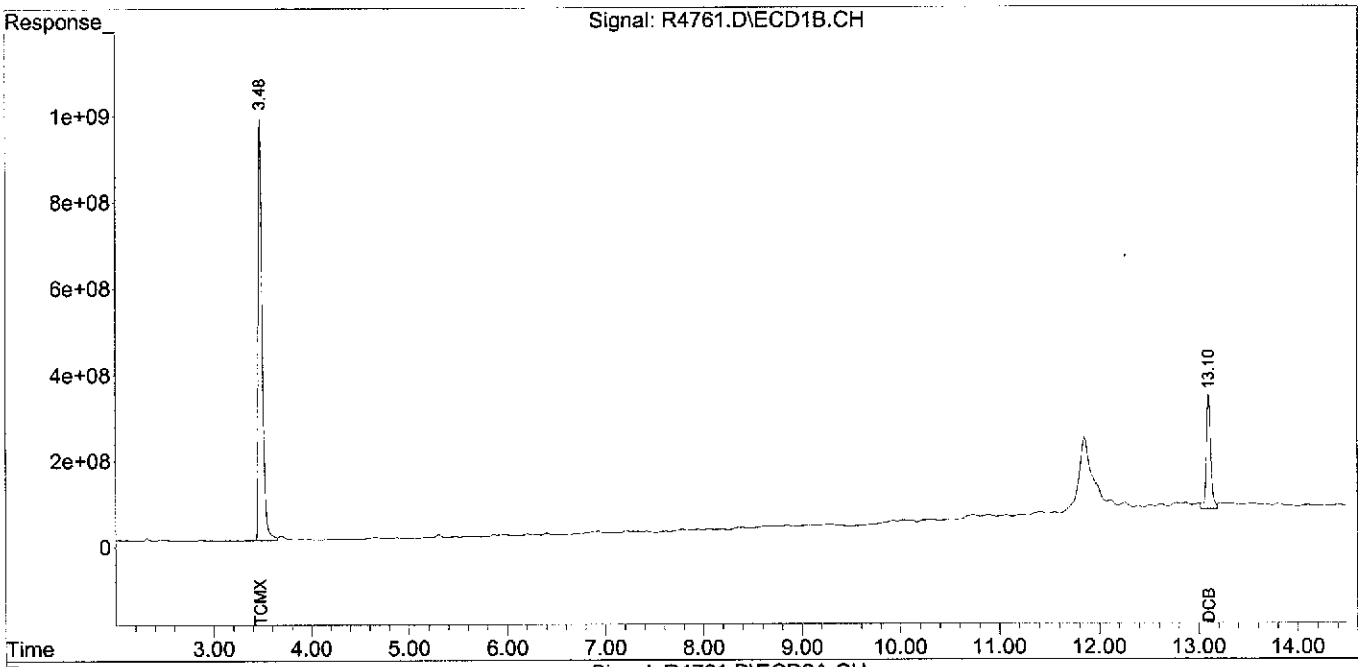
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

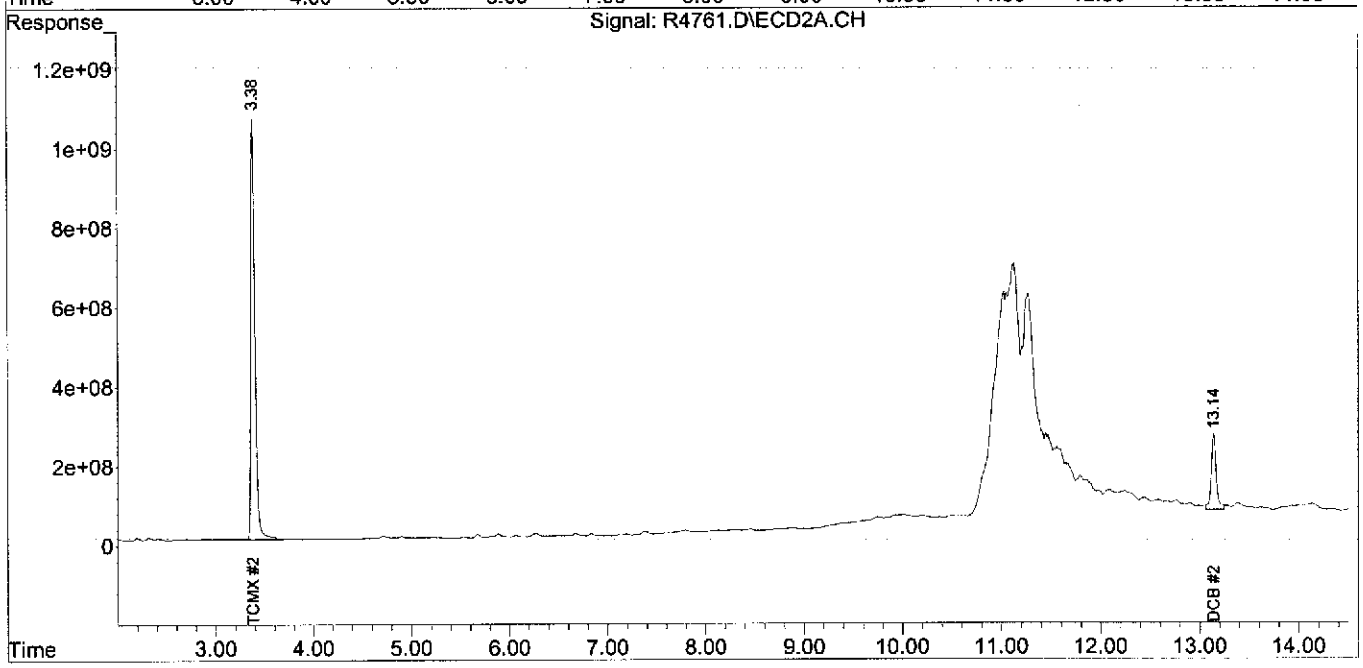
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4761.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 22:50
Operator : JS
Sample : X-15_(4.0-,10687-005,S,5.30g,19.9,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:45:52 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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\10-26-12\
Data File : R4762.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 23:07
Operator : JS
Sample : X-16_(0-2.,10687-006,S,5.47g,34.2,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:46:49 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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	3.48	3.38	21004.0E6	25427.7E6	131.861	149.632
Spiked Amount 200.000			Recovery	=	65.93%	74.82%
2) S DCB	13.10	13.14	8675.9E6	6045.8E6	190.217m	175.092m
Spiked Amount 200.000			Recovery	=	95.11%	87.55%
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	5.31	5.67	3211.3E6	3974.8E6	451.202	572.070 #
24) L6 Aroclor-1248 {2}	5.86	6.27	1130.1E6	5306.3E6	287.883	537.291 #
25) L6 Aroclor-1248 {3}	6.20	6.68	2262.6E6	4027.0E6	498.373	551.666
26) L6 Aroclor-1248 {4}	6.92	6.83	5860.2E6	2449.9E6	716.174	390.896 #
27) L6 Aroclor-1248 {5}	7.21	7.19	3143.3E6	2123.8E6	494.369	586.647
Sum Aroclor-1248			15607.5E6	17881.8E6	2448.001	2638.570
Average Aroclor-1248					489.600	527.714
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

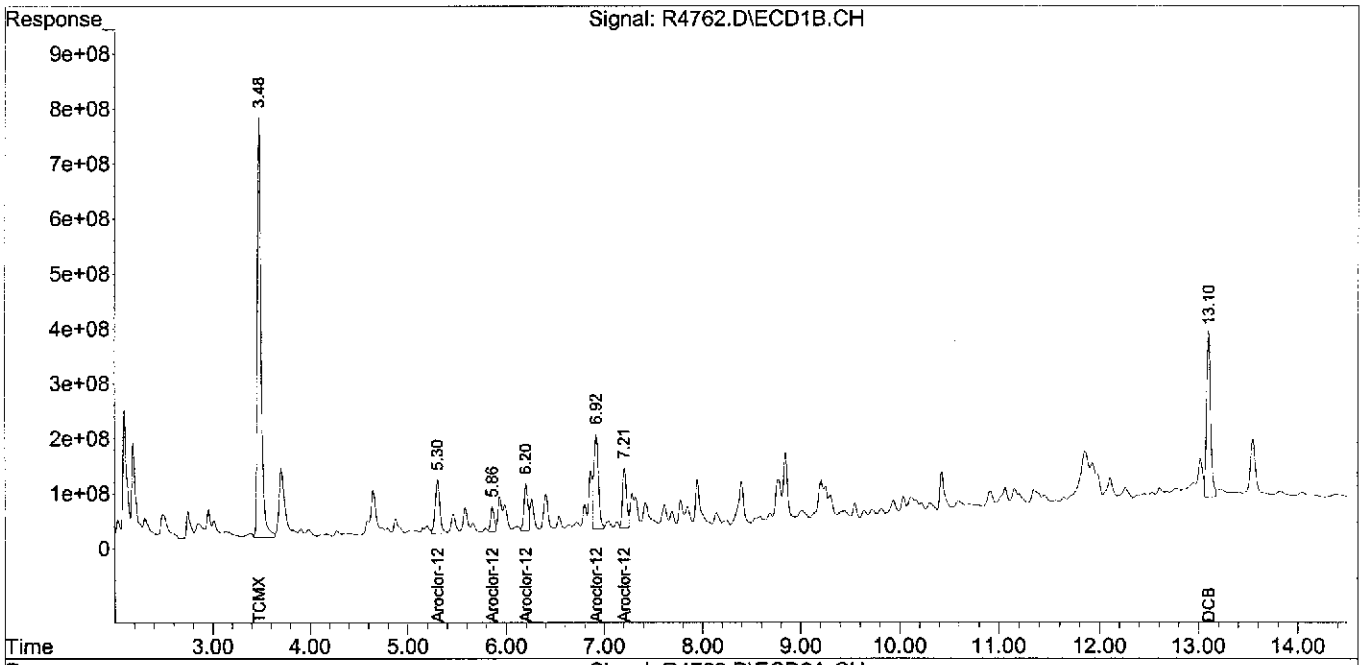
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

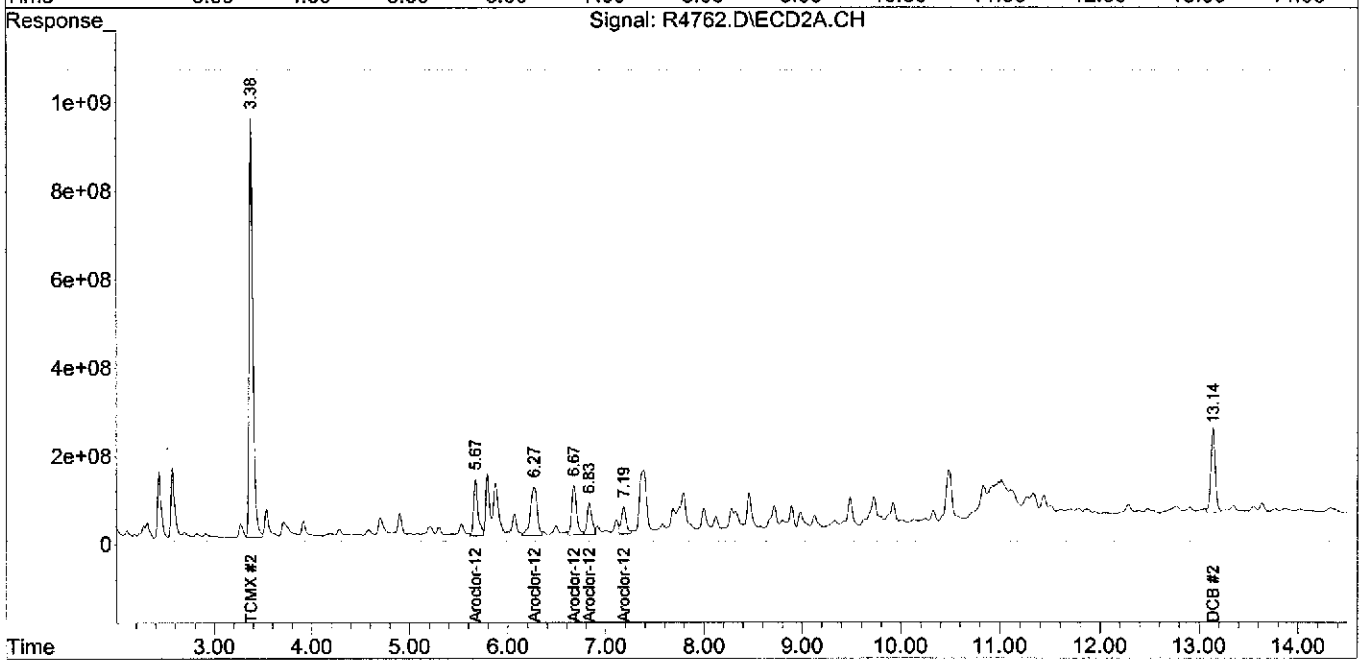
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4762.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 23:07
Operator : JS
Sample : X-16_(0-2.,10687-006,S,5.47g,34.2,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:46:49 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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\10-26-12\
Data File : R4763.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 23:24
Operator : JS
Sample : X-16_(2.0-,10687-007,S,5.64g,35.0,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:48:27 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Thu Nov 15 10:29:06 2012
Response via : Initial 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	3.48	3.38	20795.8E6	25969.5E6	130.553	152.821
Spiked Amount 200.000			Recovery	=	65.28%	76.41%
2) S DCB	13.10	13.14	10121.1E6	6701.7E6	221.902	194.087m
Spiked Amount 200.000			Recovery	=	110.95%	97.04%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.30	5.67	4300.8E6	4624.5E6	604.272	665.582
24) L6 Aroclor-1248 {2}	5.86	6.27	783.1E6	5006.7E6	199.502	506.950 #
25) L6 Aroclor-1248 {3}	6.20	6.67	2192.0E6	4209.4E6	482.813	576.659
26) L6 Aroclor-1248 {4}	6.91	6.83	9600.6E6	2819.9E6	1173.286	449.931 #
27) L6 Aroclor-1248 {5}	7.21	7.18	3053.5E6	2623.5E6	480.246	724.675 #
Sum Aroclor-1248			19930.0E6	19284.0E6	2940.118	2923.797
Average Aroclor-1248					588.024	584.759
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

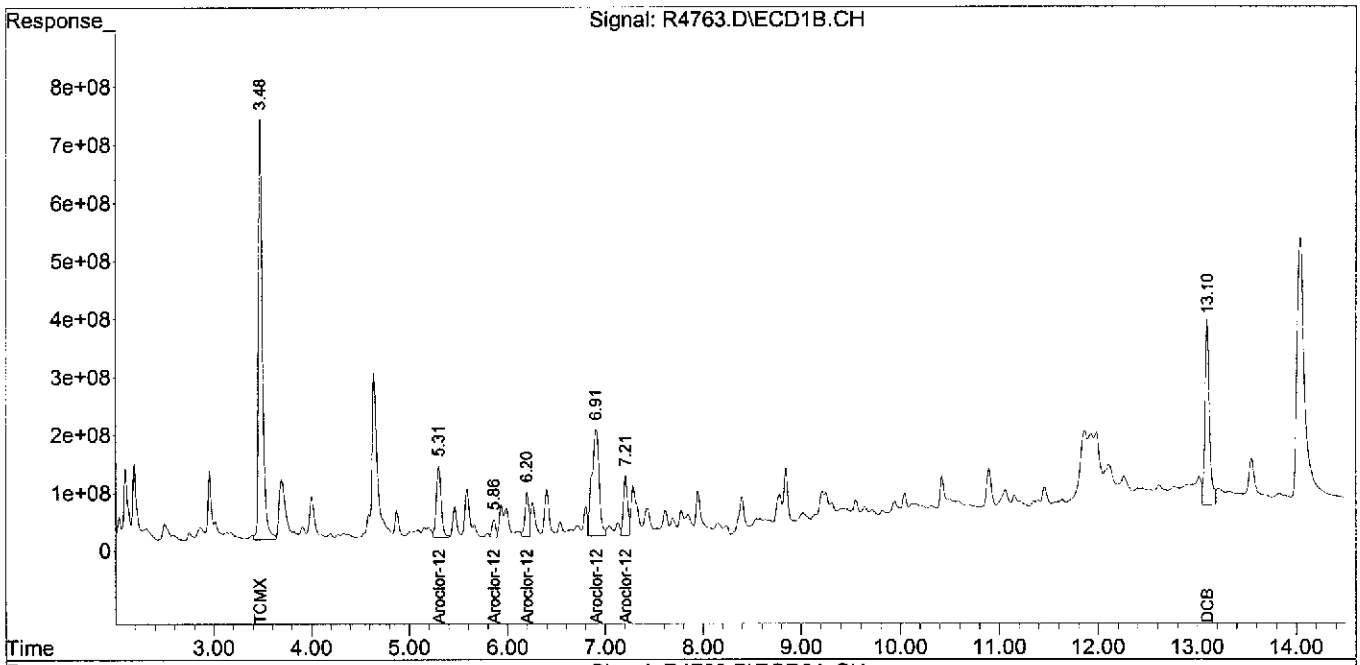
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

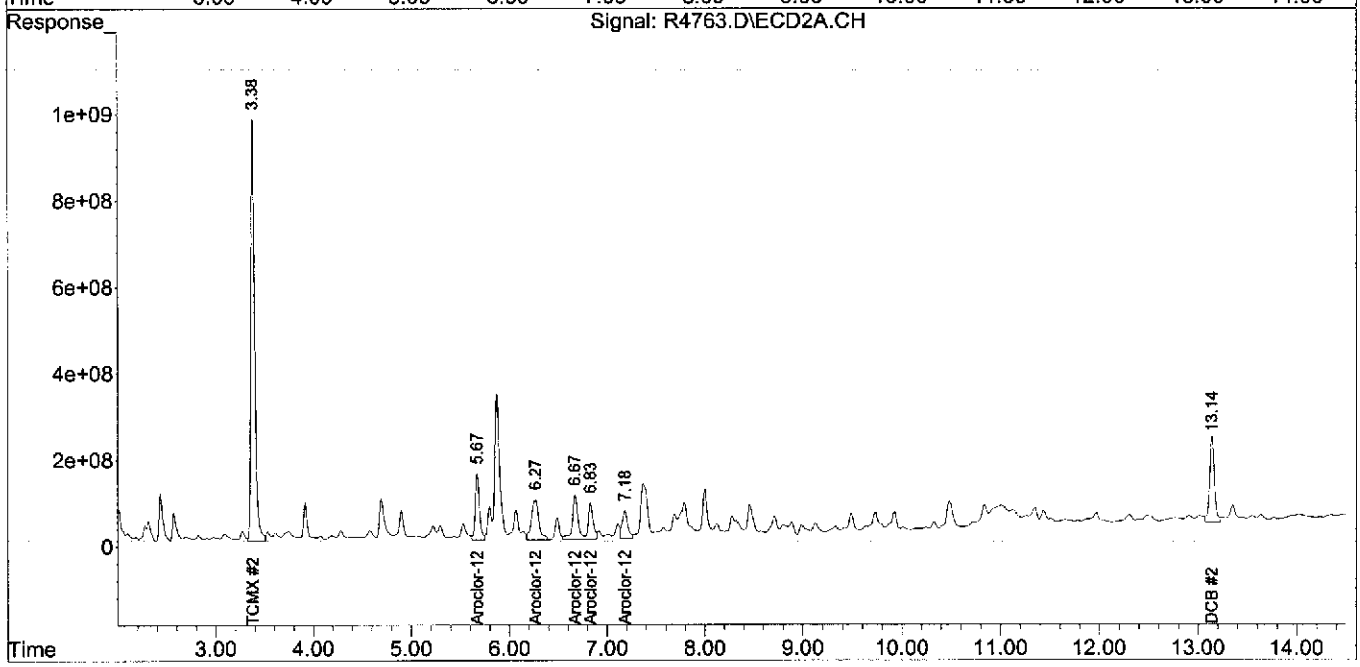
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4763.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 23:24
Operator : JS
Sample : X-16_(2.0-,10687-007,S,5.64g,35.0,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:48:27 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Thu Nov 15 10:29:06 2012
Response via : Initial 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\10-26-12\
Data File : R4764.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 23:42
Operator : JS
Sample : X-16_(4.0-,10687-008,S,5.45g,19.9,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 14 18:13:45 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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	3.48	3.38	27685.6E6	31100.3E6	173.806	183.014
Spiked Amount 200.000			Recovery	=	86.90%	91.51%
2) S DCB	13.10	13.14	11201.7E6	9370.0E6	245.593	271.365
Spiked Amount 200.000			Recovery	=	122.80%	135.68%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

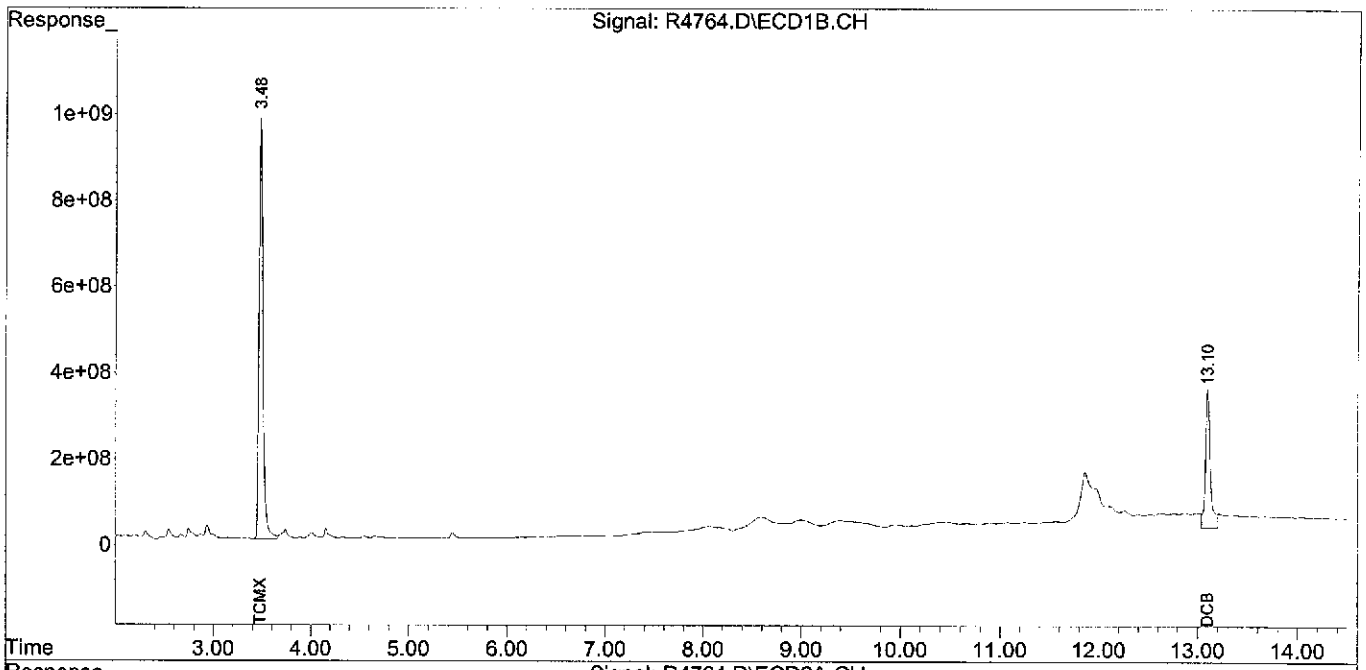
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

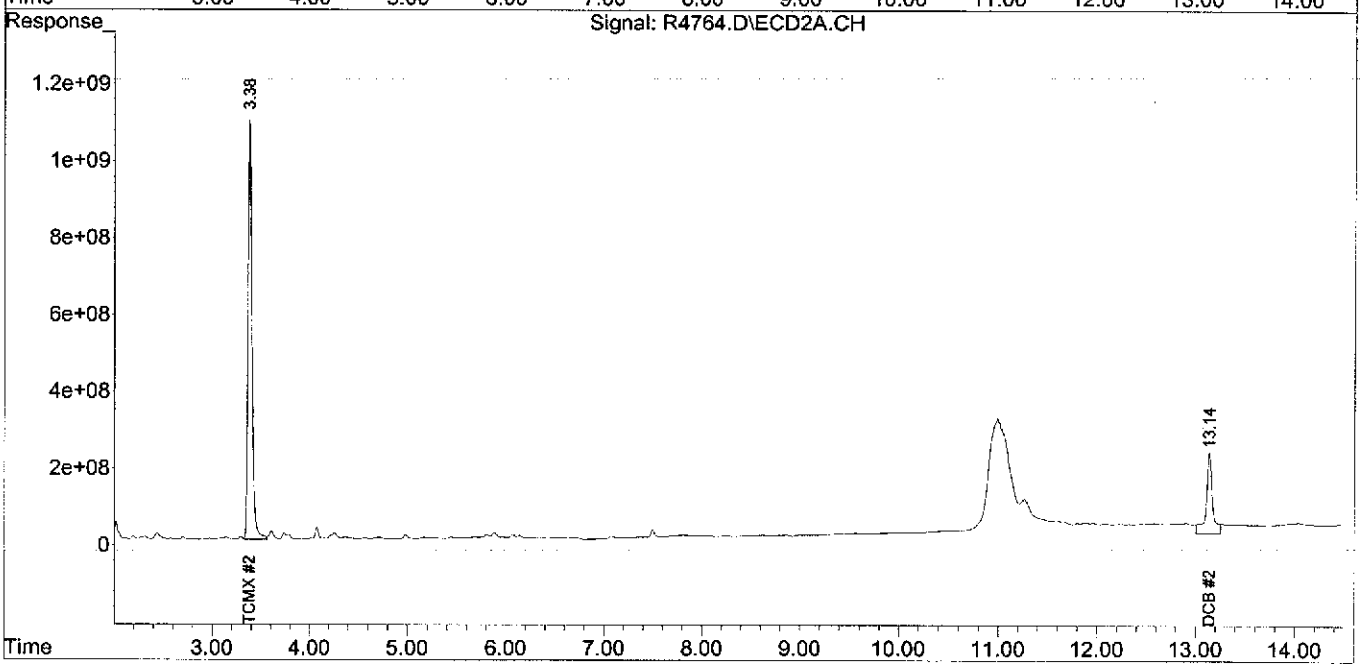
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4764.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 23:42
Operator : JS
Sample : X-16_(4.0-,10687-008,S,5.45g,19.9,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 14 18:13:45 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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\10-26-12\
Data File : R4765.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 23:59
Operator : JS
Sample : Y-16_(0-2.,10687-009,S,5.18g,15.3,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:51:55 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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	3.48	3.38	20216.1E6	24199.1E6	126.914	142.403
Spiked Amount 200.000			Recovery	=	63.46%	71.20%
2) S DCB	13.10	13.14	7903.9E6	5715.9E6	173.291m	165.539m
Spiked Amount 200.000			Recovery	=	86.65%	82.77%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.31	5.67	5182.6E6	5790.9E6	728.169	833.448
24) L6 Aroclor-1248 {2}	5.86	6.27	4201.2E6	12409.4E6	1070.231	1256.518
25) L6 Aroclor-1248 {3}	6.20	6.67	6316.1E6	10590.5E6	1391.191	1450.814
26) L6 Aroclor-1248 {4}	6.93	6.83	13455.0E6	6850.4E6	1644.330	1093.011 #
27) L6 Aroclor-1248 {5}	7.21	7.19	8963.4E6	3645.2E6	1409.748	1006.895 #
Sum Aroclor-1248			38118.2E6	39286.4E6	6243.670	5640.687
Average Aroclor-1248					1248.734	1128.137
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	9.26	8.72	6919.9E6	4415.4E6	566.104	680.204m
34) L8 Aroclor-1260 {2}	9.94	9.13	2009.4E6	943.2E6	333.181	132.556m#
35) L8 Aroclor-1260 {3}	10.42	10.33	4862.9E6	1080.6E6	272.570	212.274m
36) L8 Aroclor-1260 {4}	10.91	10.84	1323.8E6	1594.1E6	171.783m	147.653m
37) L8 Aroclor-1260 {5}	11.98	11.43	896.8E6	1241.5E6	271.038m	167.832m#
Sum Aroclor-1260			16012.9E6	9274.7E6	1614.675	1340.519
Average Aroclor-1260					322.935	268.104
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4765.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 23:59
Operator : JS
Sample : Y-16_(0-2.,10687-009,S,5.18g,15.3,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:51:55 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

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

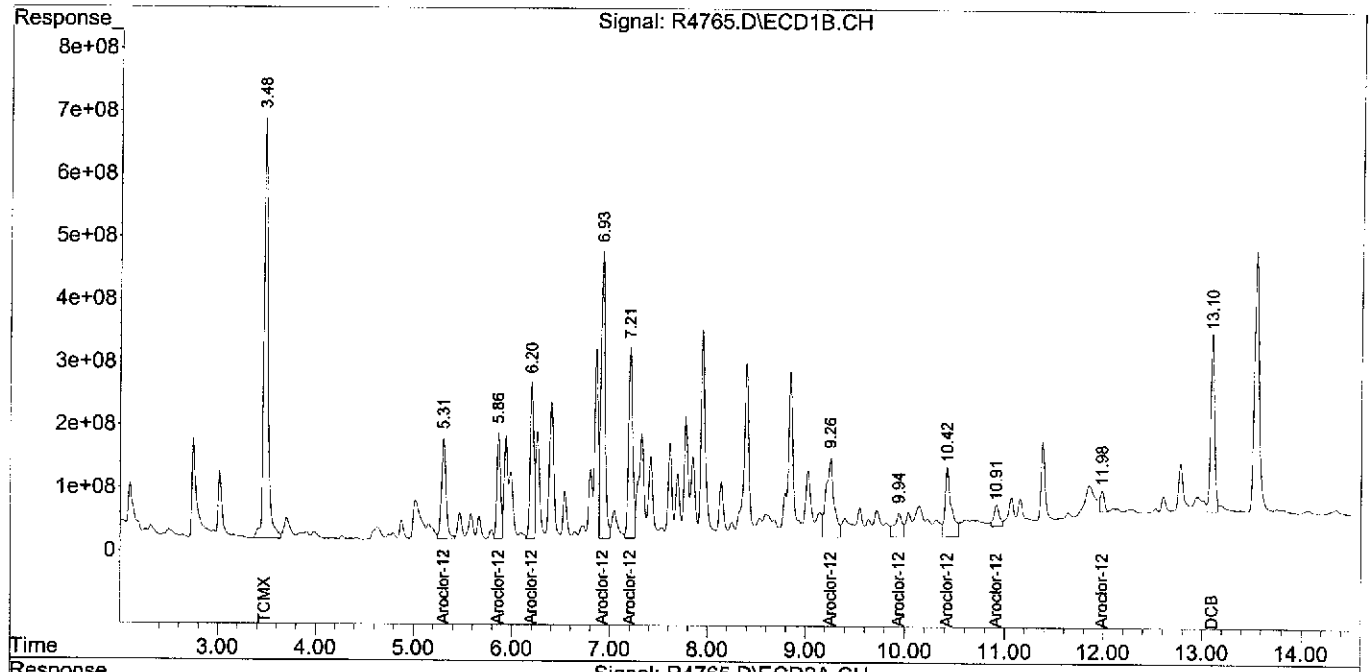
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

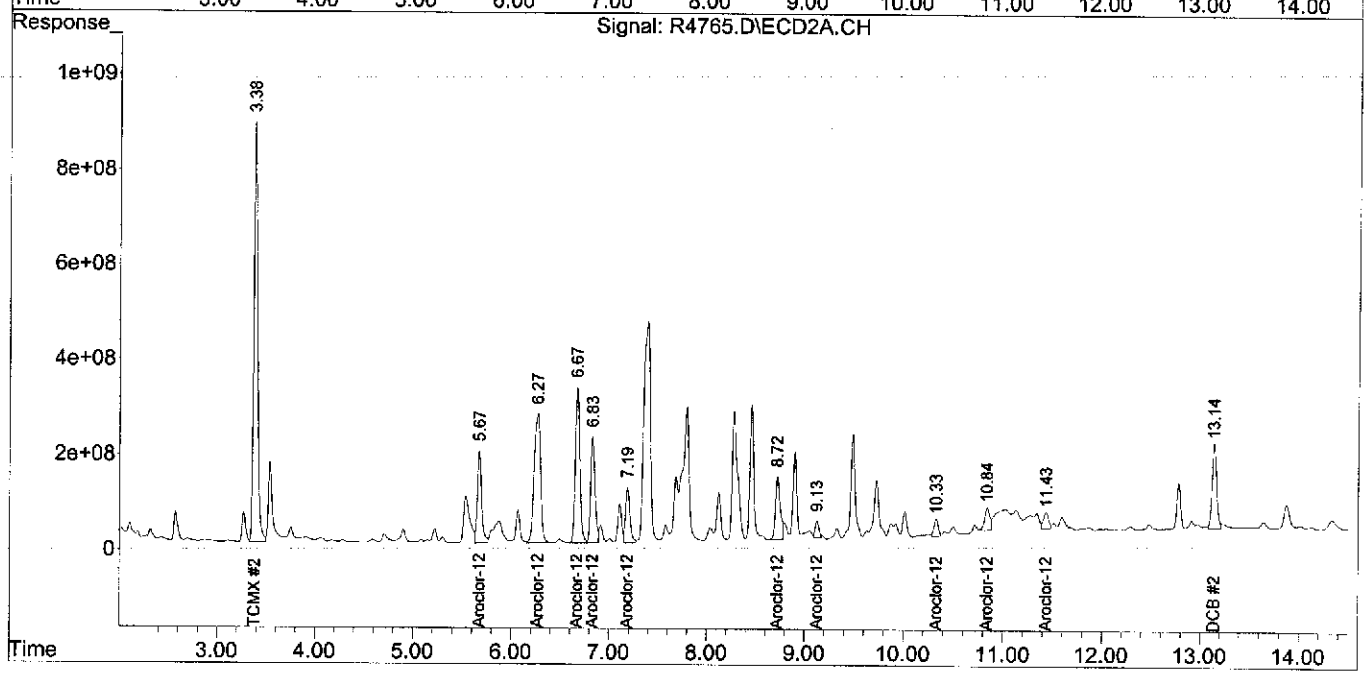
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4765.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 23:59
Operator : JS
Sample : Y-16_(0-2.,10687-009,S,5.18g,15.3,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:51:55 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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\10-26-12\
Data File : R4766.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 00:17
Operator : JS
Sample : Y-16_(2.0-,10687-010,S,5.00g,45.6,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 09:38:07 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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	3.48	3.38	23477.4E6	30707.8E6	147.388	180.704
Spiked Amount 200.000			Recovery	=	73.69%	90.35%
2) S DCB	13.10	13.14	9078.1E6	6406.2E6	199.035m	185.530m
Spiked Amount 200.000			Recovery	=	99.52%	92.77%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.31	5.68	428.9E6	552.6E6	60.256	79.539 #
24) L6 Aroclor-1248 {2}	5.86	6.27	227.1E6	544.2E6	57.848	55.101
25) L6 Aroclor-1248 {3}	6.20	6.67	334.6E6	504.5E6	73.706	69.106
26) L6 Aroclor-1248 {4}	6.93	6.83	586.2E6	381.2E6	71.633	60.829
27) L6 Aroclor-1248 {5}	7.21	7.19	540.0E6	330.8E6	84.938	91.378
Sum Aroclor-1248			2116.8E6	2313.3E6	348.382	355.952
Average Aroclor-1248					69.676	71.190
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	9.26	8.72	980.1E6	421.1E6	80.180m	64.866m
34) L8 Aroclor-1260 {2}	9.94	9.13	482.6E6	503.3E6	80.019m	70.730m
35) L8 Aroclor-1260 {3}	10.42	10.33	1149.3E6	353.6E6	64.418m	69.459m
36) L8 Aroclor-1260 {4}	10.92	10.84	576.1E6	1220.6E6	74.757m	113.056m#
37) L8 Aroclor-1260 {5}	11.98	11.44	509.4E6	870.2E6	153.949m	117.641m
Sum Aroclor-1260			3697.5E6	3368.7E6	453.324	435.751
Average Aroclor-1260					90.665	87.150
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4766.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 00:17
Operator : JS
Sample : Y-16_(2.0-,10687-010,S,5.00g,45.6,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 09:38:07 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

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

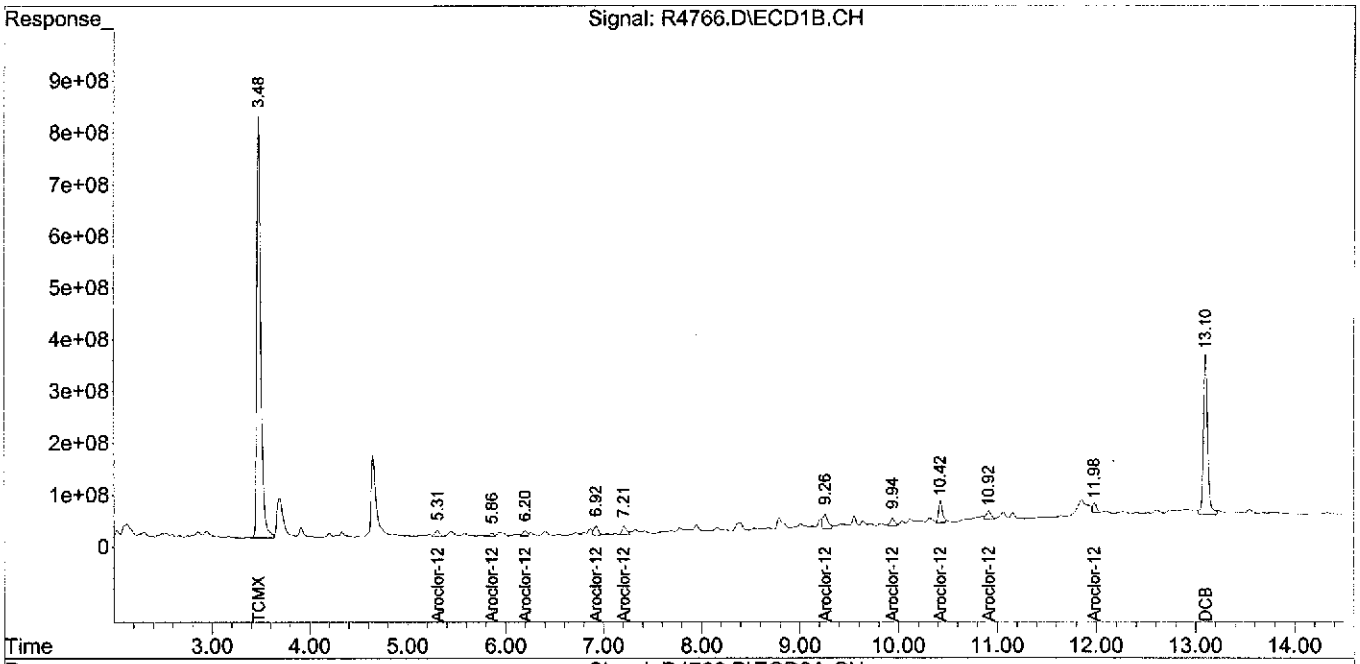
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

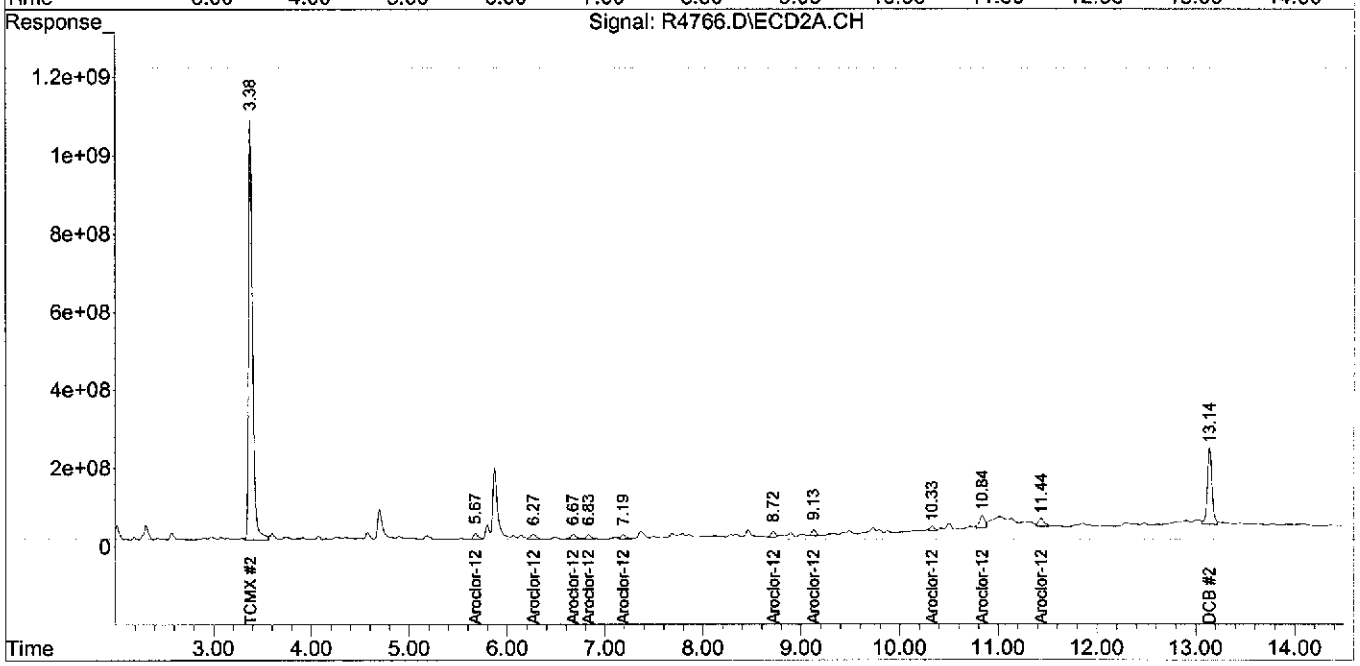
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4766.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 00:17
Operator : JS
Sample : Y-16_(2.0-,10687-010,S,5.00g,45.6,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 09:38:07 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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\10-26-12\
Data File : R4767.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 00:34
Operator : JS
Sample : Y-16_(3.0-,10687-011,S,5.45g,62.0,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:58:09 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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	3.48	3.38	30612.6E6	36635.7E6	192.181	215.588
Spiked Amount 200.000			Recovery	=	96.09%	107.79%
2) S DCB	13.10	13.14	9556.7E6	7045.5E6	209.526m	204.045m
Spiked Amount 200.000			Recovery	=	104.76%	102.02%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

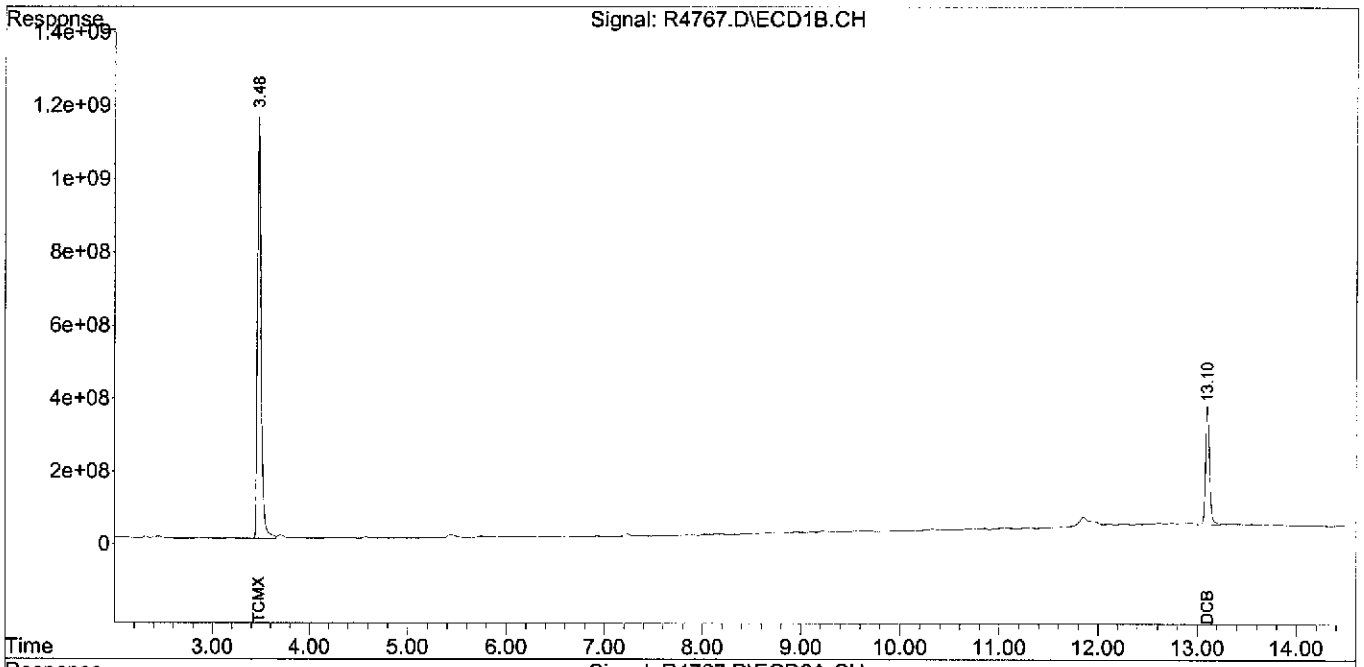
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

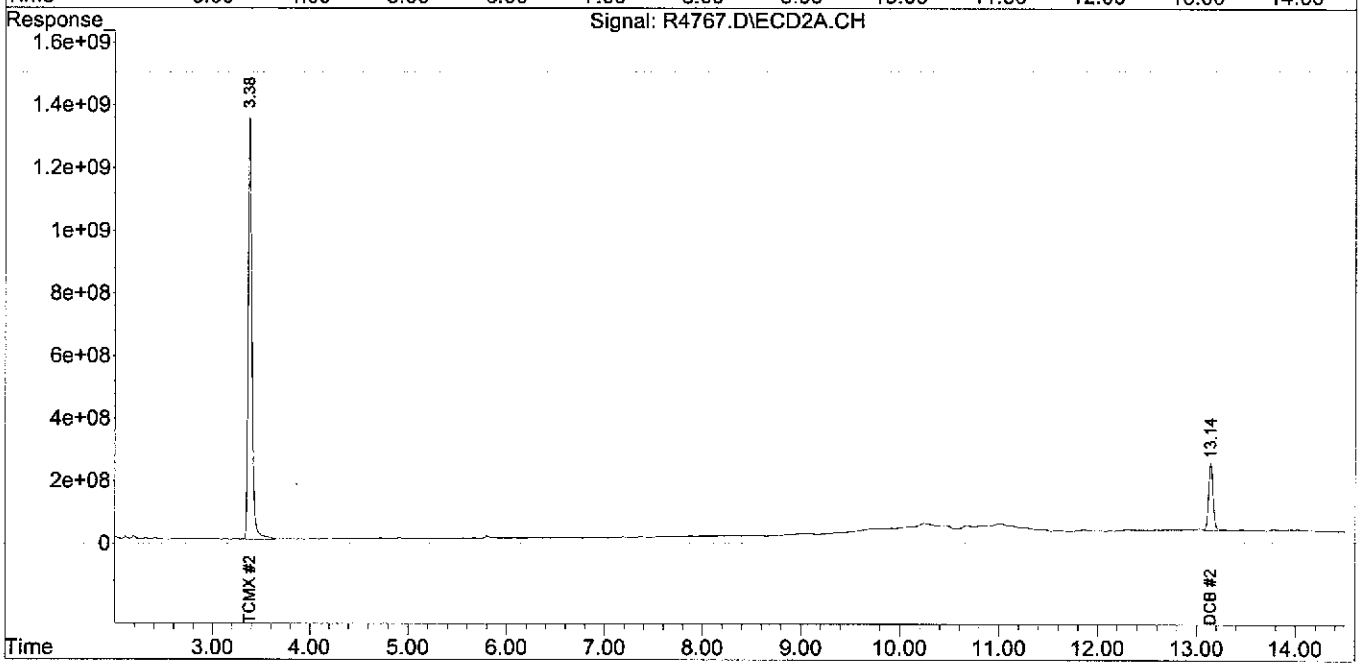
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4767.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 00:34
Operator : JS
Sample : Y-16_(3.0-,10687-011,S,5.45g,62.0,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:58:09 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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\10-26-12\
Data File : R4768.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 00:51
Operator : JS
Sample : Y-16_(4.0-,10687-012,S,5.38g,17.3,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:58:25 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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	3.48	3.38	31127.1E6	33361.1E6	195.412	196.318
Spiked Amount 200.000			Recovery	=	97.71%	98.16%
2) S DCB	13.10	13.14	8209.0E6	6703.4E6	179.981m	194.137m
Spiked Amount 200.000			Recovery	=	89.99%	97.07%
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

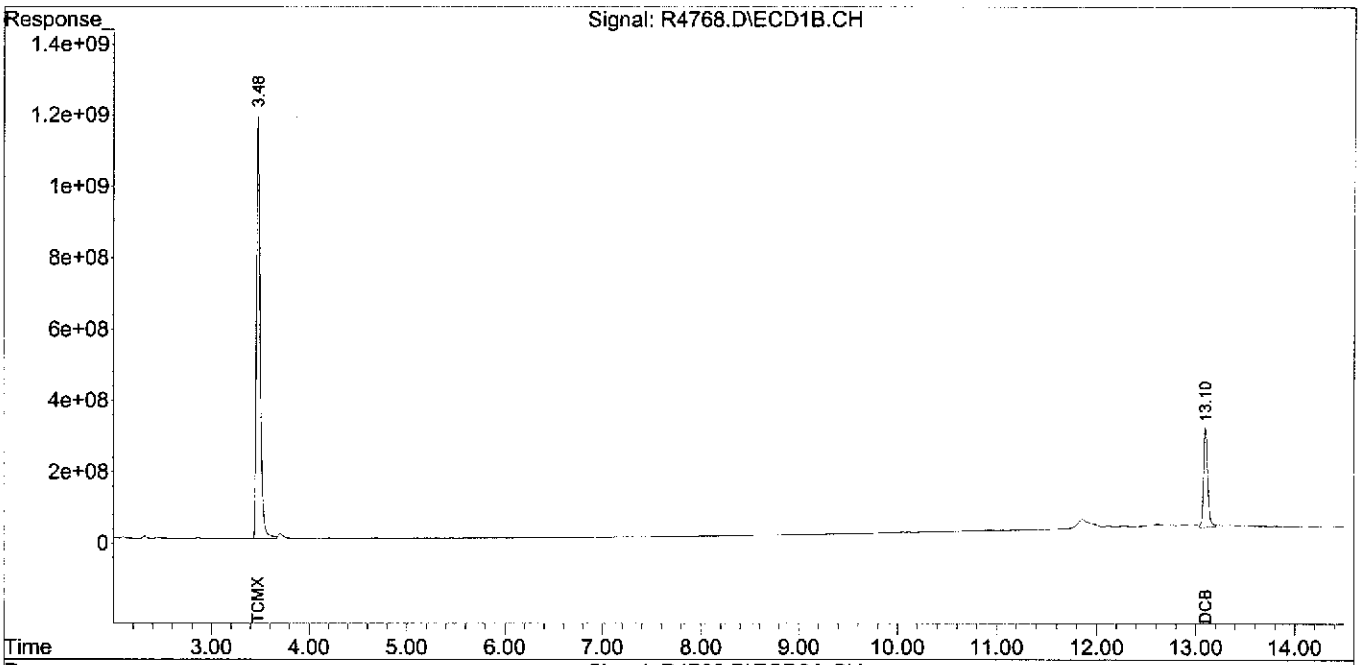
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

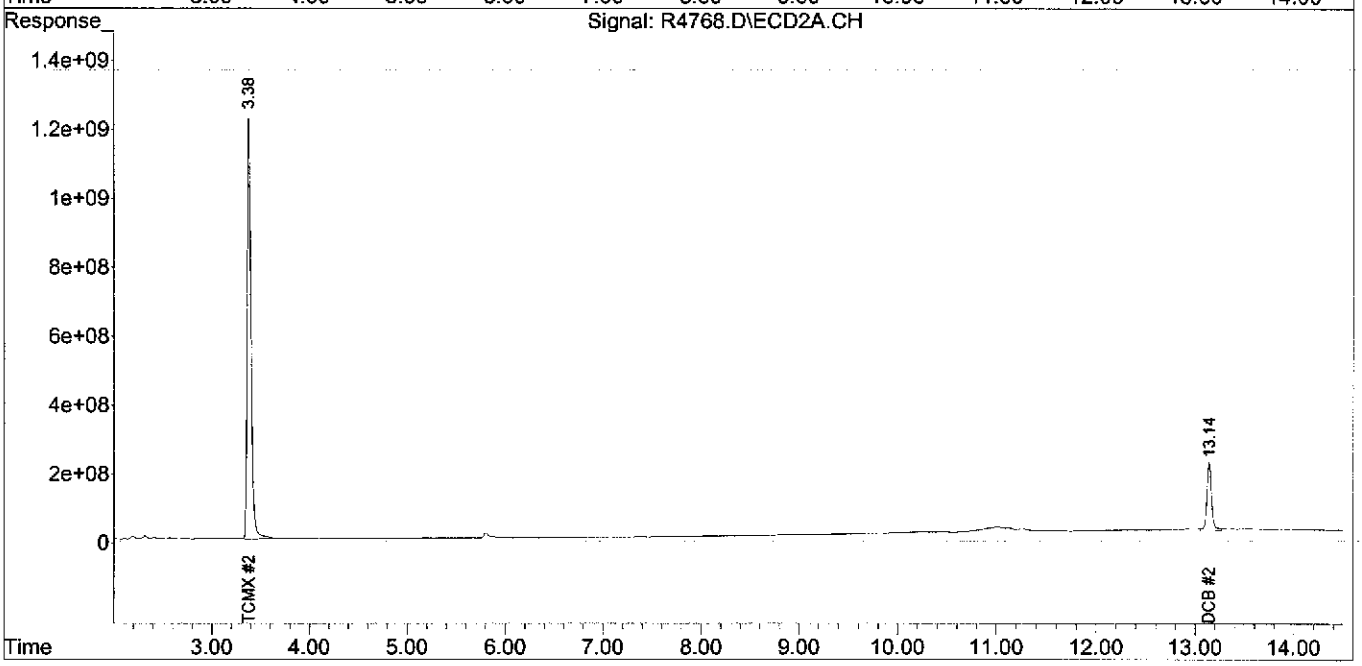
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4768.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 00:51
Operator : JS
Sample : Y-16_(4.0-,10687-012,S,5.38g,17.3,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:58:25 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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\11-15-12\
Data File : R5097.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Nov 2012 12:16
Operator : JS
Sample : Y-15_(0-2.,10687-013,S,5.40g,10.8,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,50
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 09:34:27 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Thu Nov 15 10:29:06 2012
Response via : Initial 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	3.48	3.38	949.5E6	988.8E6	5.961	5.819
Spiked Amount 200.000			Recovery	=	2.98%	2.91%
2) S DCB	13.11	13.14	242.1E6	161.8E6	5.308m	4.687m
Spiked Amount 200.000			Recovery	=	2.65%	2.34%
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	5.31	5.67	9077.5E6	9407.0E6	1275.423	1353.897
24) L6 Aroclor-1248 {2}	5.87	6.27	3630.5E6	10726.3E6	924.849	1086.094
25) L6 Aroclor-1248 {3}	6.20	6.67	5370.8E6	8179.1E6	1182.971	1120.465
26) L6 Aroclor-1248 {4}	6.93	6.83	8076.0E6	6921.4E6	986.969	1104.333
27) L6 Aroclor-1248 {5}	7.21	7.19	6059.7E6	3719.4E6	953.068	1027.396
Sum Aroclor-1248			32214.5E6	38953.2E6	5323.279	5692.186
Average Aroclor-1248					1064.656	1138.437
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

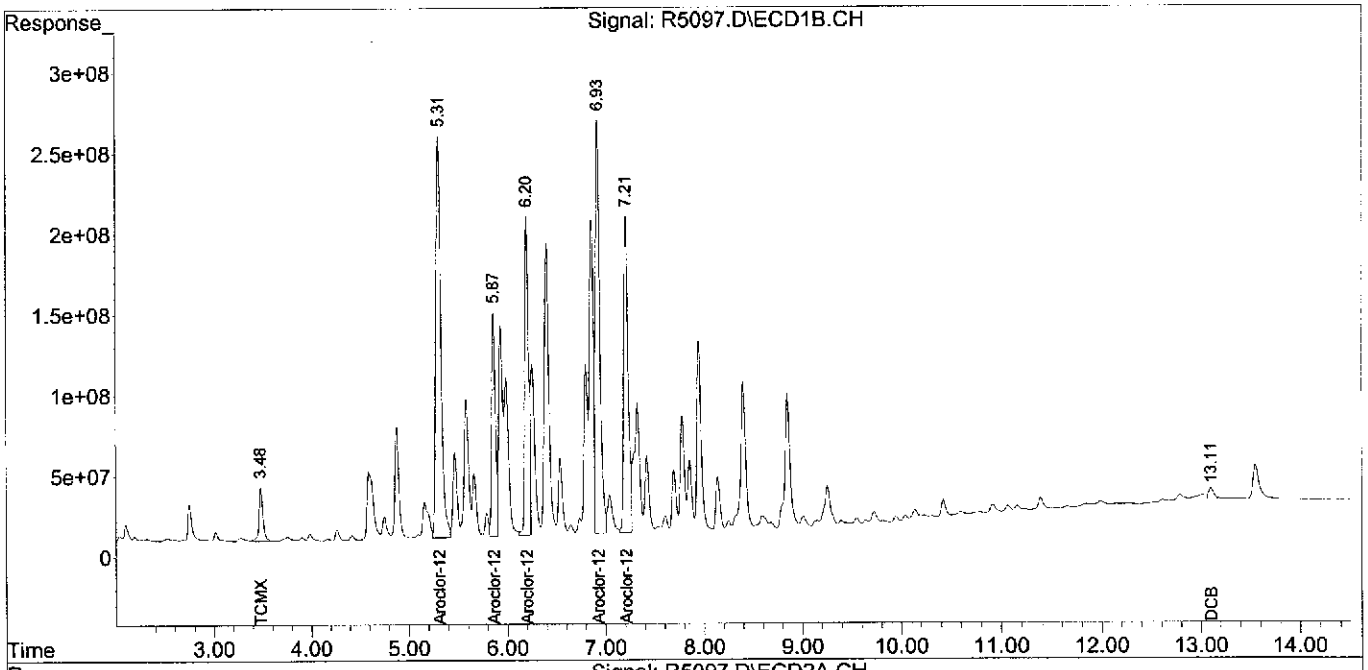
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

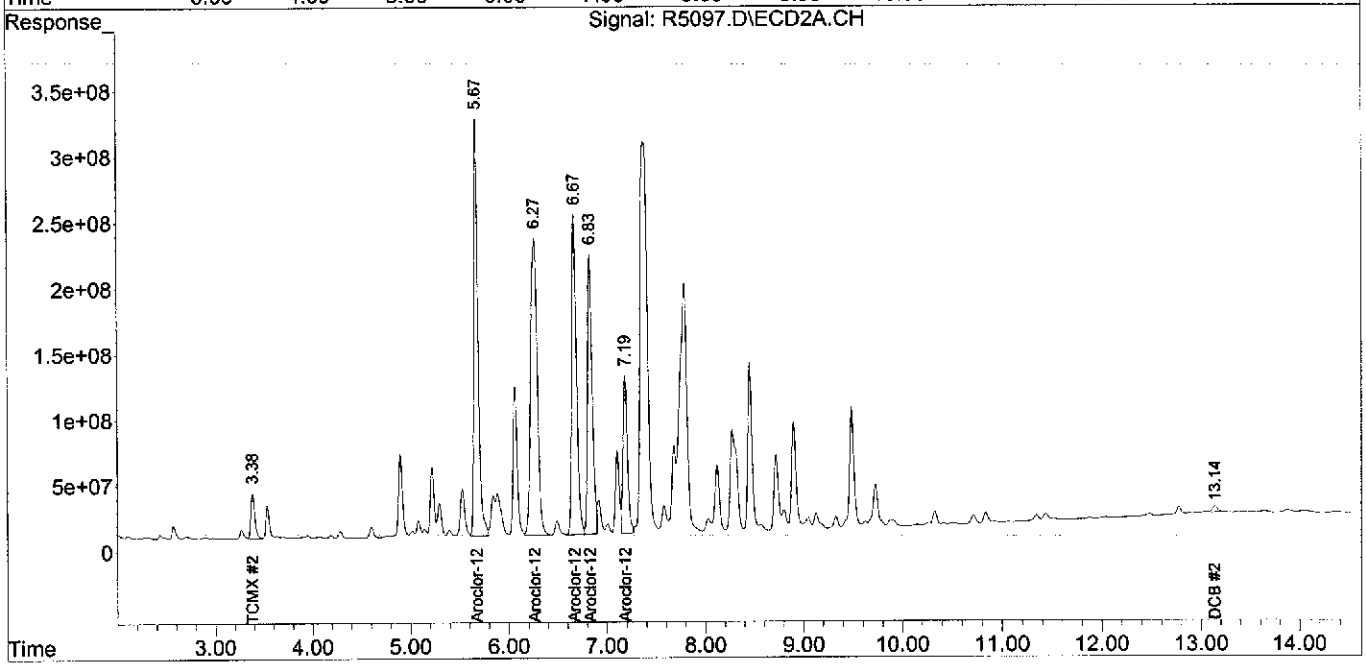
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\11-15-12\
Data File : R5097.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Nov 2012 12:16
Operator : JS
Sample : Y-15_(0-2.,10687-013,S,5.40g,10.8,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,50
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 09:34:27 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Thu Nov 15 10:29:06 2012
Response via : Initial 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\10-26-12\
Data File : R4770.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 1:26
Operator : JS
Sample : Y-15_(2.0-,10687-014,S,5.08g,46.8,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:59:03 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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	3.48	3.38	19262.4E6	32716.5E6	120.927	192.524 #
Spiked Amount 200.000			Recovery	=	60.46%	96.26%
2) S DCB	13.10	13.14	8157.9E6	8042.1E6	178.860m	232.907m#
Spiked Amount 200.000			Recovery	=	89.43%	116.45%
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

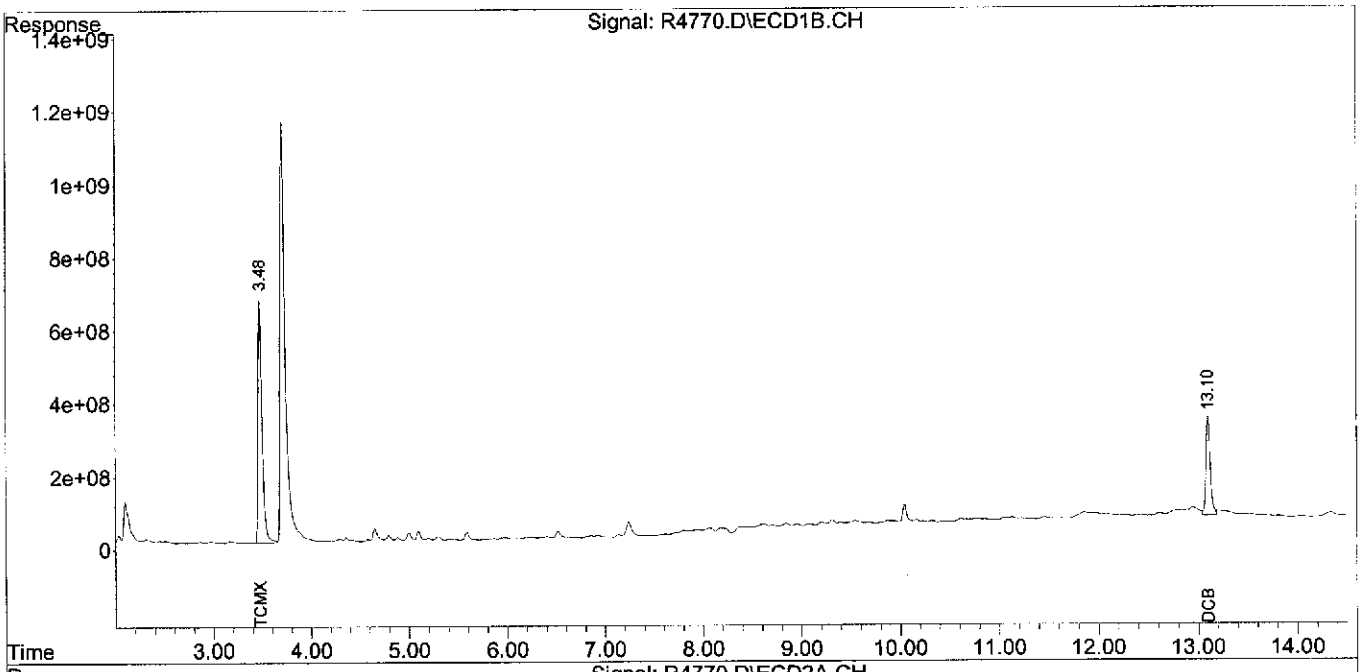
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

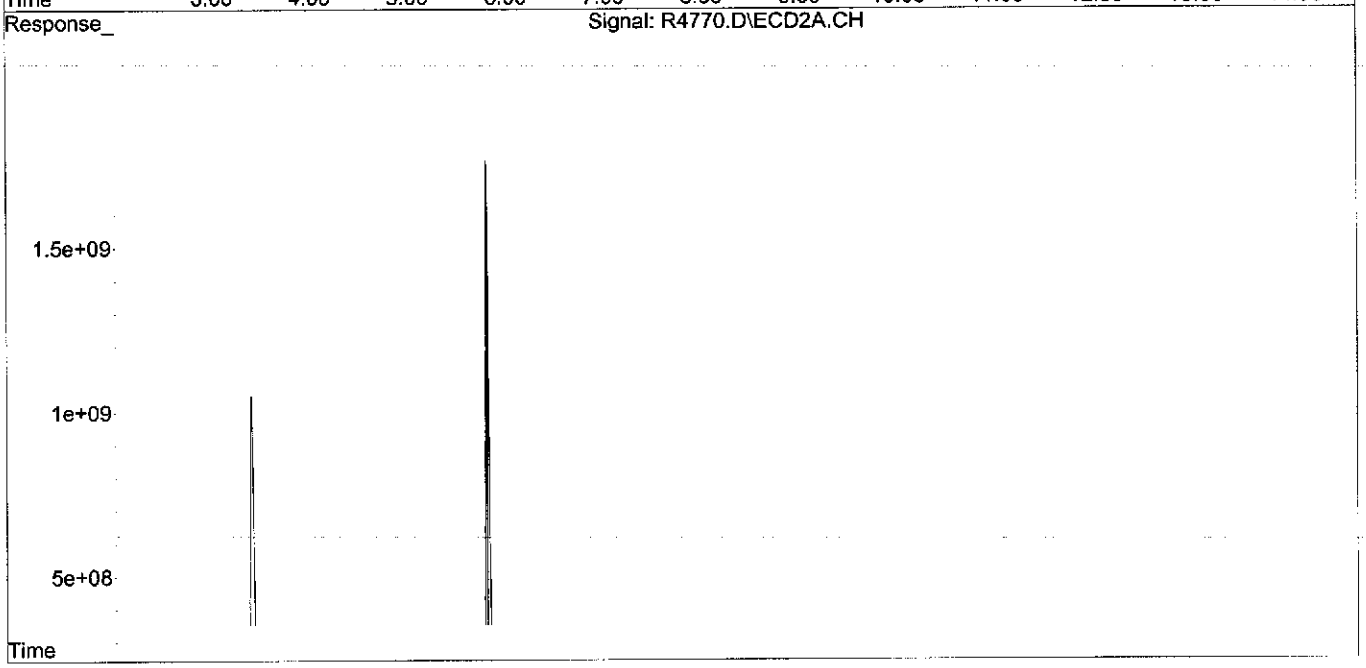
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4770.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 1:26
Operator : JS
Sample : Y-15_(2.0-,10687-014,S,5.08g,46.8,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:59:03 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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\10-26-12\
Data File : R4771.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 1:43
Operator : JS
Sample : Y-15_(4.0-,10687-015,S,5.21g,19.7,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:59:24 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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	3.48	3.38	27921.8E6	30657.4E6	175.289	180.408
Spiked Amount 200.000			Recovery	=	87.64%	90.20%
2) S DCB	13.10	13.14	7438.3E6	5526.1E6	163.082m	160.040m
Spiked Amount 200.000			Recovery	=	81.54%	80.02%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

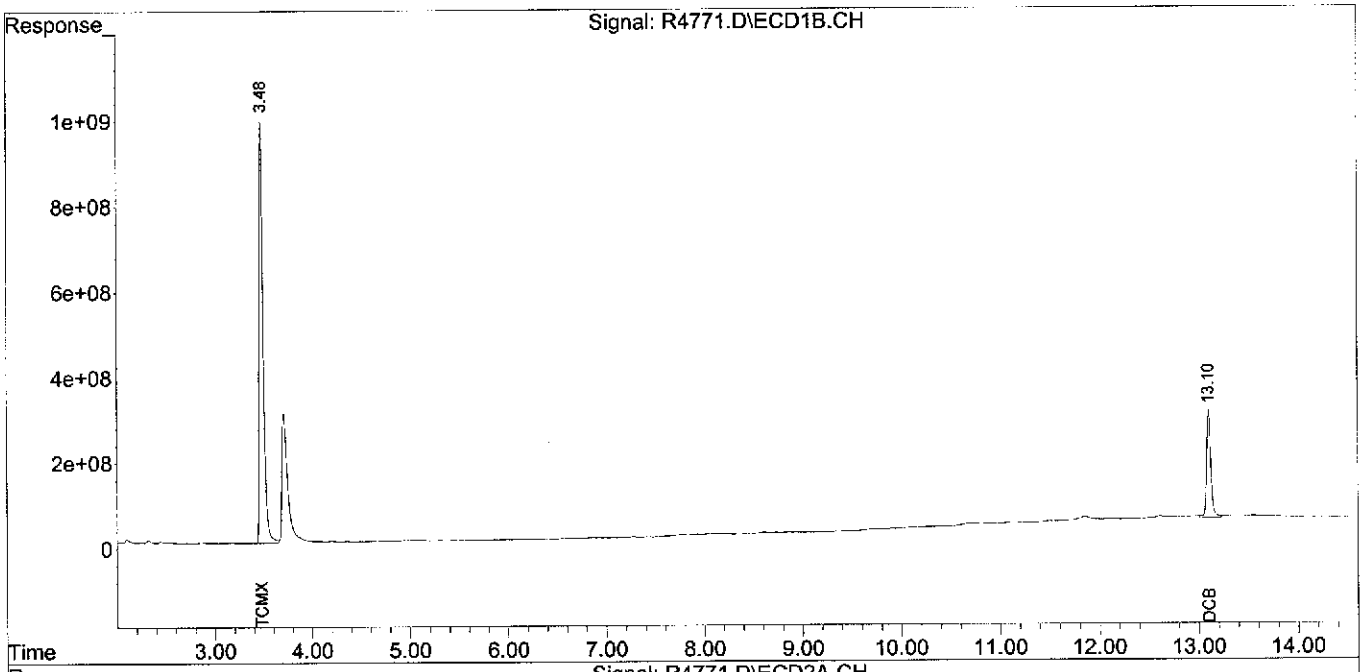
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

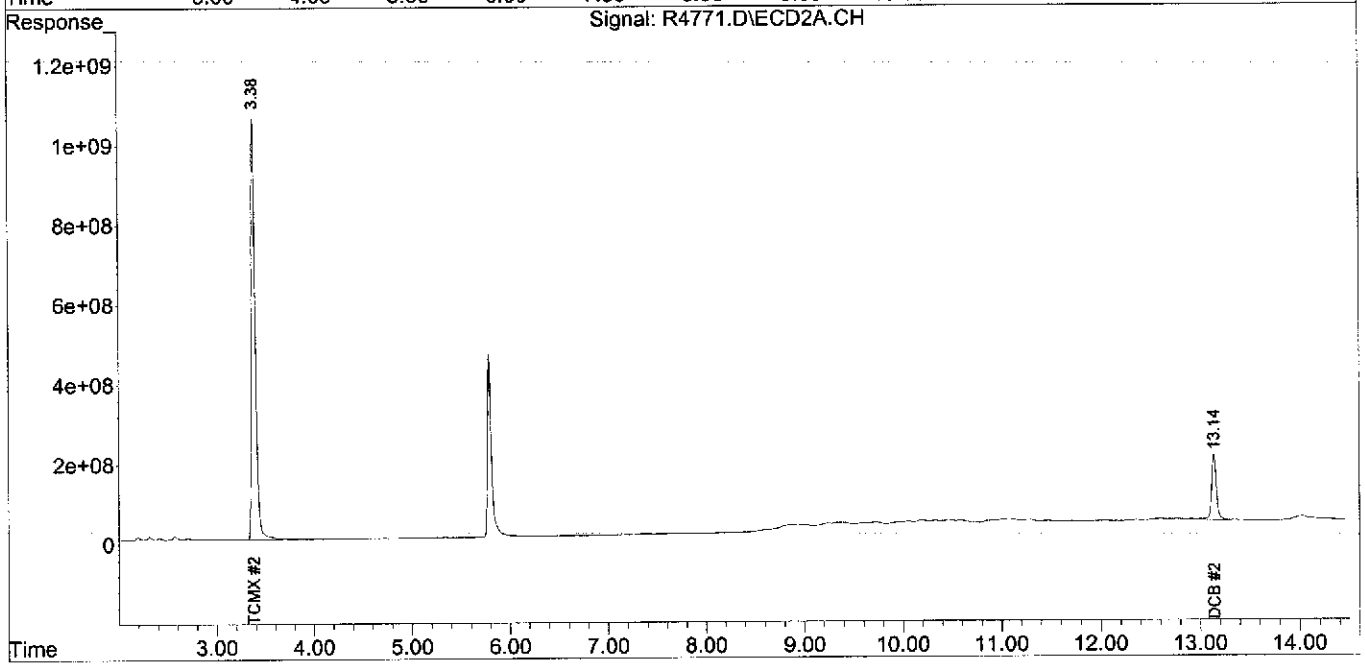
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4771.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 1:43
Operator : JS
Sample : Y-15_(4.0-,10687-015,S,5.21g,19.7,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 08:59:24 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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\10-26-12\
Data File : R4772.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 2:01
Operator : JS
Sample : Y-14_(0-2.,10687-016,S,5.21g,9.90,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 09:01:27 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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	3.48	3.38	24589.3E6	28774.3E6	154.368	169.326
Spiked Amount 200.000			Recovery	=	77.18%	84.66%
2) S DCB	13.10	13.14	11875.1E6	7415.1E6	260.358	214.747
Spiked Amount 200.000			Recovery	=	130.18%	107.37%
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	5.30	5.67	2329.3E6	2139.3E6	327.271	307.893
24) L6 Aroclor-1248 {2}	5.86	6.27	1780.4E6	4558.1E6	453.551	461.532
25) L6 Aroclor-1248 {3}	6.20	6.67	1983.7E6	2739.5E6	436.937	375.294
26) L6 Aroclor-1248 {4}	6.93	6.83	4359.5E6	2183.7E6	532.773	348.415 #
27) L6 Aroclor-1248 {5}	7.21	7.19	2876.8E6	1189.1E6	452.453	328.466 #
Sum Aroclor-1248			13329.7E6	12809.7E6	2202.985	1821.600
Average Aroclor-1248					440.597	364.320
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	9.23	8.72	1380.8E6	1150.8E6	112.963m	177.281m#
34) L8 Aroclor-1260 {2}	9.94	9.13	377.7E6	467.6E6	62.618m	65.714m
35) L8 Aroclor-1260 {3}	10.42	10.33	1498.7E6	517.9E6	84.003m	101.738m
36) L8 Aroclor-1260 {4}	10.92	10.84	648.7E6	849.2E6	84.181m	78.656m
37) L8 Aroclor-1260 {5}	11.99	11.43	361.7E6	503.2E6	109.308m	68.018m#
Sum Aroclor-1260			4267.6E6	3488.6E6	453.074	491.407
Average Aroclor-1260					90.615	98.281
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4772.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 2:01
Operator : JS
Sample : Y-14_(0-2.,10687-016,S,5.21g,9.90,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 09:01:27 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

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

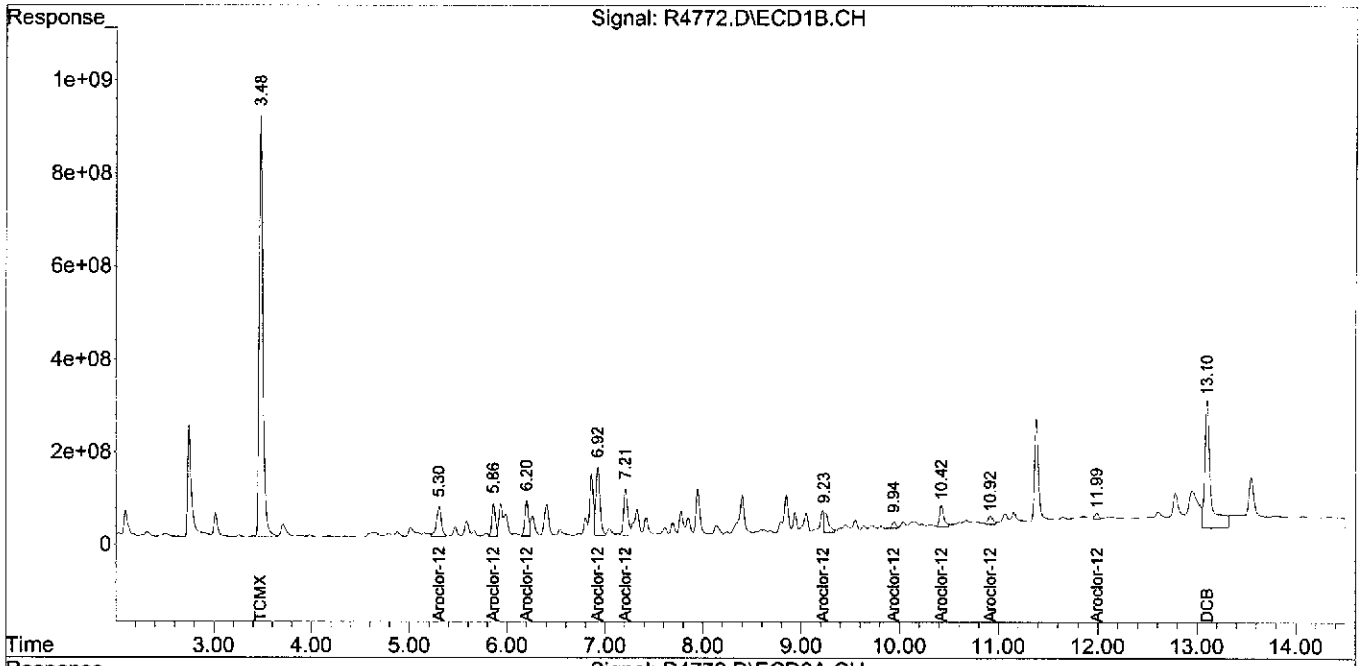
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

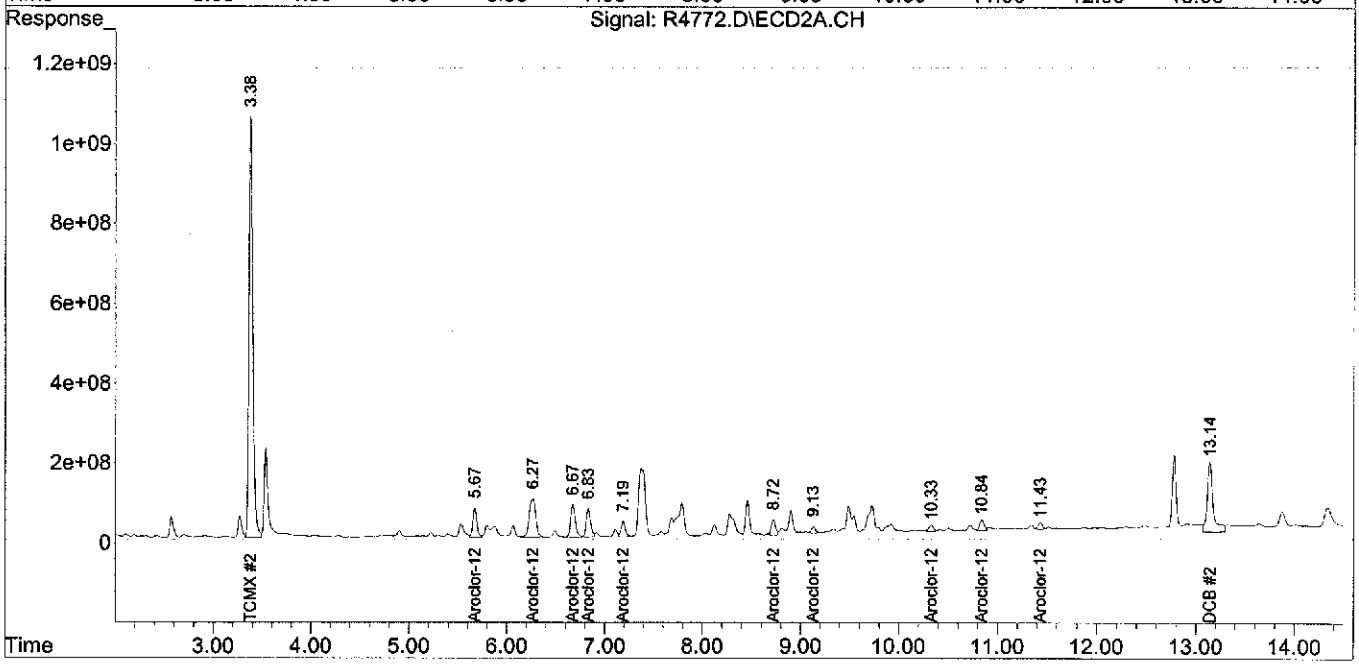
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4772.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 2:01
Operator : JS
Sample : Y-14_(0-2.,10687-016,S,5.21g,9.90,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 09:01:27 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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\10-26-12\
Data File : R4773.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 2:18
Operator : JS
Sample : Y-14_(2.0-,10687-017,S,5.83g,27.7,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 09:02:13 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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	3.48	3.38	27988.2E6	31311.0E6	175.706	184.254
Spiked Amount 200.000			Recovery	=	87.85%	92.13%
2) S DCB	13.10	13.14	8115.9E6	5945.1E6	177.939m	172.174m
Spiked Amount 200.000			Recovery	=	88.97%	86.09%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
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

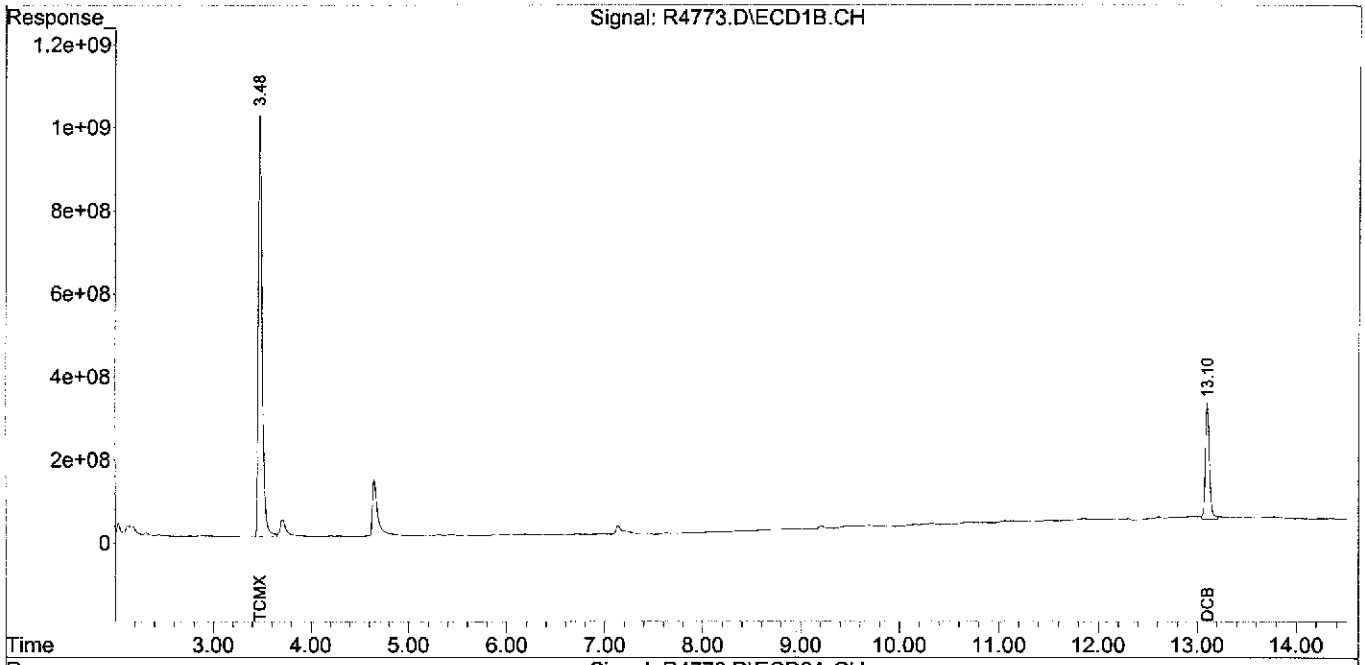
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

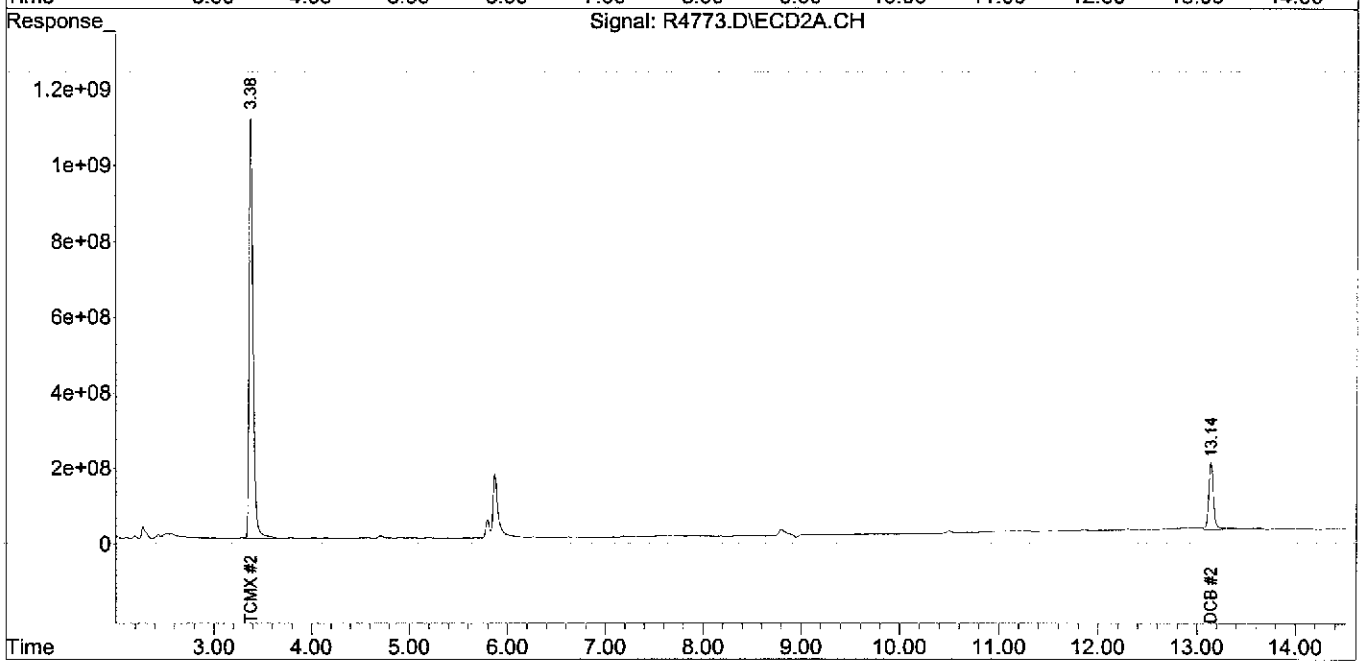
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4773.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 2:18
Operator : JS
Sample : Y-14_(2.0-,10687-017,S,5.83g,27.7,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 09:02:13 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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\10-26-12\
Data File : R4774.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 2:36
Operator : JS
Sample : Y-14_(4.0-,10687-018,S,5.86g,50.3,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 14 18:21:27 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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	3.48	3.38	30993.6E6	35642.4E6	194.574	209.743
Spiked Amount 200.000			Recovery	=	97.29%	104.87%
2) S DCB	13.10	13.14	9897.6E6	7256.2E6	217.002	210.145
Spiked Amount 200.000			Recovery	=	108.50%	105.07%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
verage Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
verage Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
verage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
verage Aroclor-1268					0.000	0.000

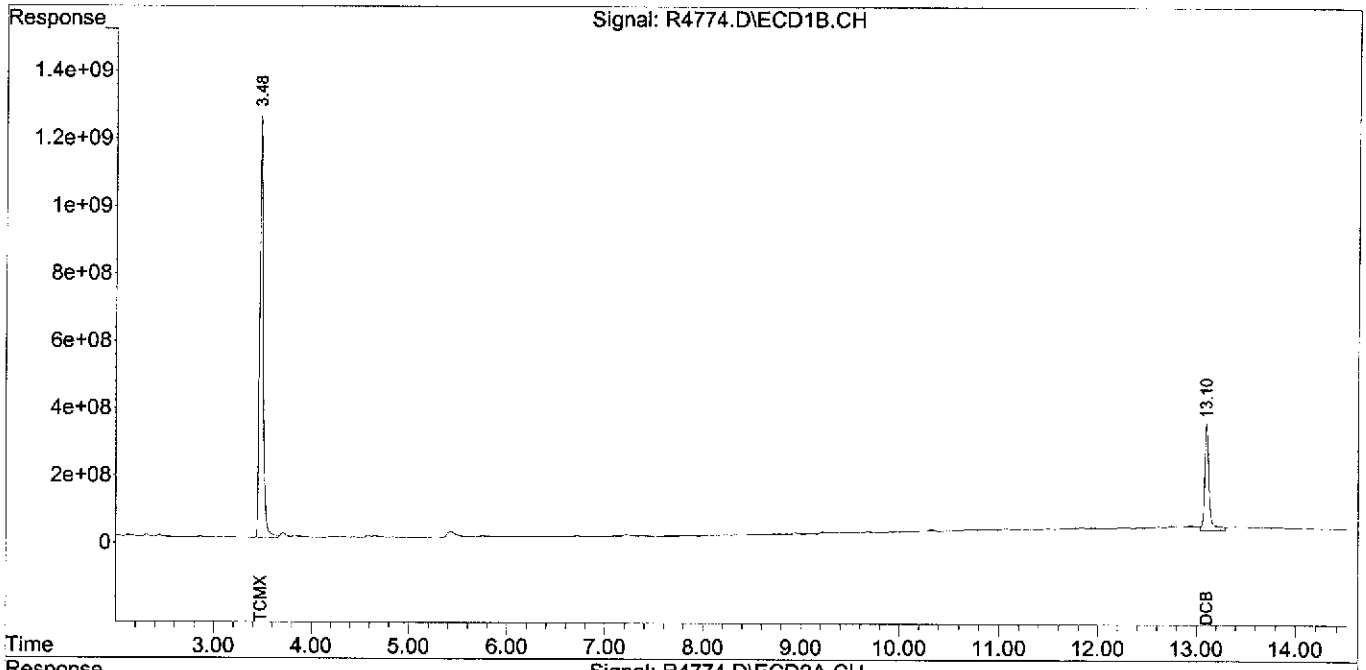
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

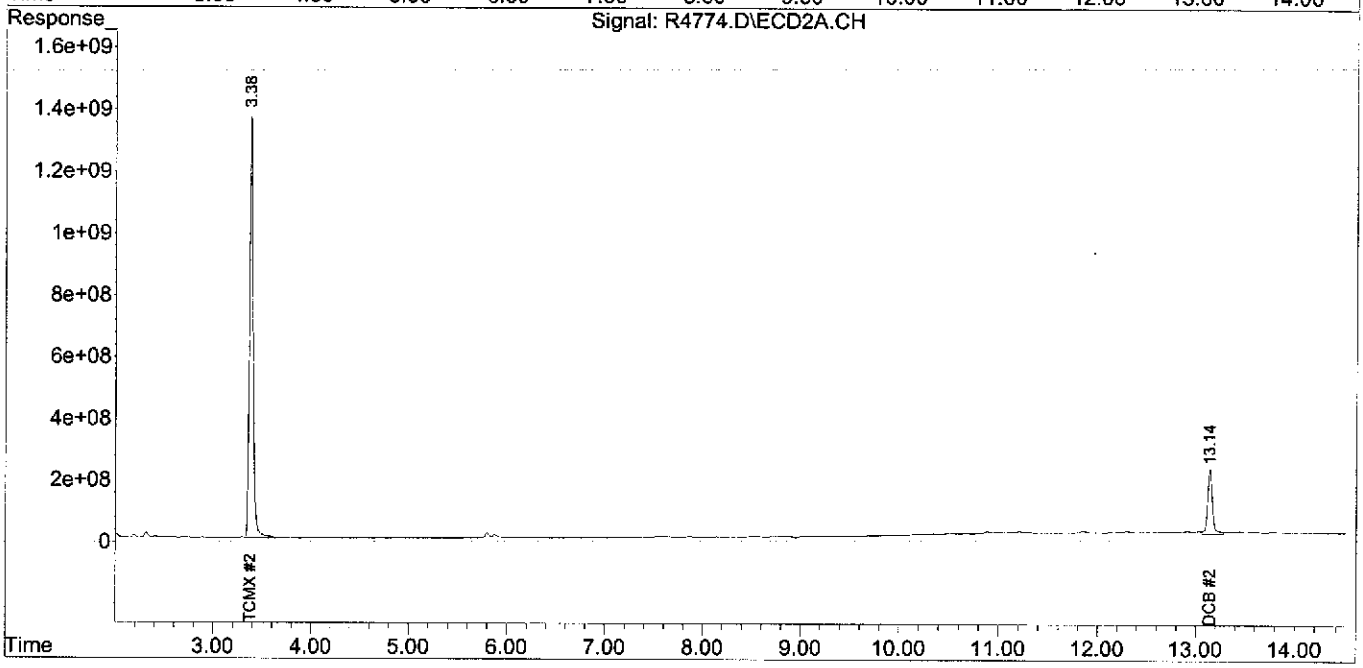
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4774.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 2:36
Operator : JS
Sample : Y-14_(4.0-,10687-018,S,5.86g,50.3,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 14 18:21:27 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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\10-26-12\
Data File : R4775.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 2:53
Operator : JS
Sample : Y-14_(4.5-,10687-019,S,5.33g,18.7,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 09:02:38 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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	3.48	3.38	30132.2E6	33804.5E6	189.166	198.927
Spiked Amount 200.000			Recovery	=	94.58%	99.46%
2) S DCB	13.10	13.14	9010.5E6	6874.0E6	197.552	199.078m
Spiked Amount 200.000			Recovery	=	98.78%	99.54%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

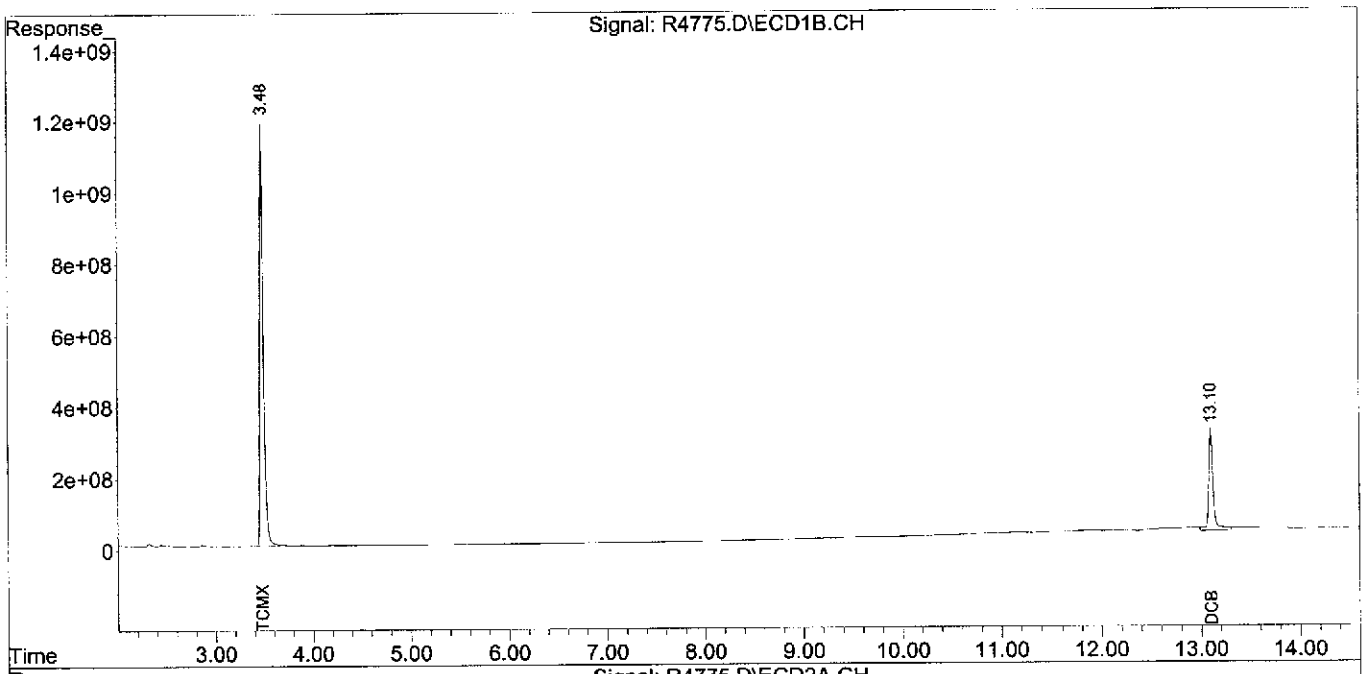
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

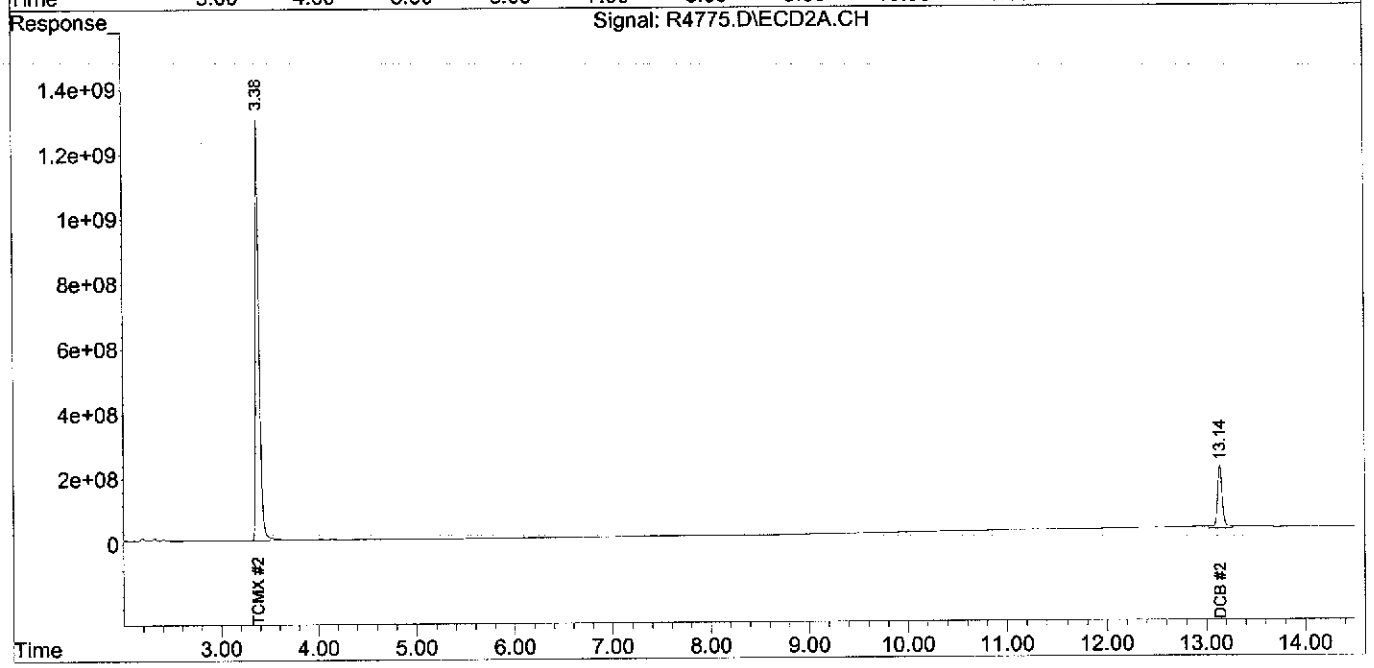
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4775.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 2:53
Operator : JS
Sample : Y-14_(4.5-,10687-019,S,5.33g,18.7,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 09:02:38 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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\10-26-12\
Data File : R4776.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 3:10
Operator : JS
Sample : Y-13_(0-2.,10687-020,S,5.08g,0,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 09:45:09 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Thu Nov 15 10:29:06 2012
Response via : Initial 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	3.48	3.38	22063.7E6	28814.4E6	138.513	169.562
Spiked Amount 200.000			Recovery	=	69.26%	84.78%
2) S DCB	13.10	13.14	7314.3E6	5755.1E6	160.363m	166.673m
Spiked Amount 200.000			Recovery	=	80.18%	83.34%
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	5.30	5.67	8015.7E6	8150.6E6	1126.231	1173.073
24) L6 Aroclor-1248 {2}	5.86	6.27	5074.3E6	14593.9E6	1292.655	1477.706
25) L6 Aroclor-1248 {3}	6.20	6.67	7718.2E6	11901.3E6	1700.027	1630.371
26) L6 Aroclor-1248 {4}	6.93	6.83	14173.4E6	8832.7E6	1732.124	1409.293
27) L6 Aroclor-1248 {5}	7.21	7.19	10658.8E6	5437.0E6	1676.394	1501.839
Sum Aroclor-1248			45640.3E6	48915.4E6	7527.432	7192.282
Average Aroclor-1248					1505.486	1438.456
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.

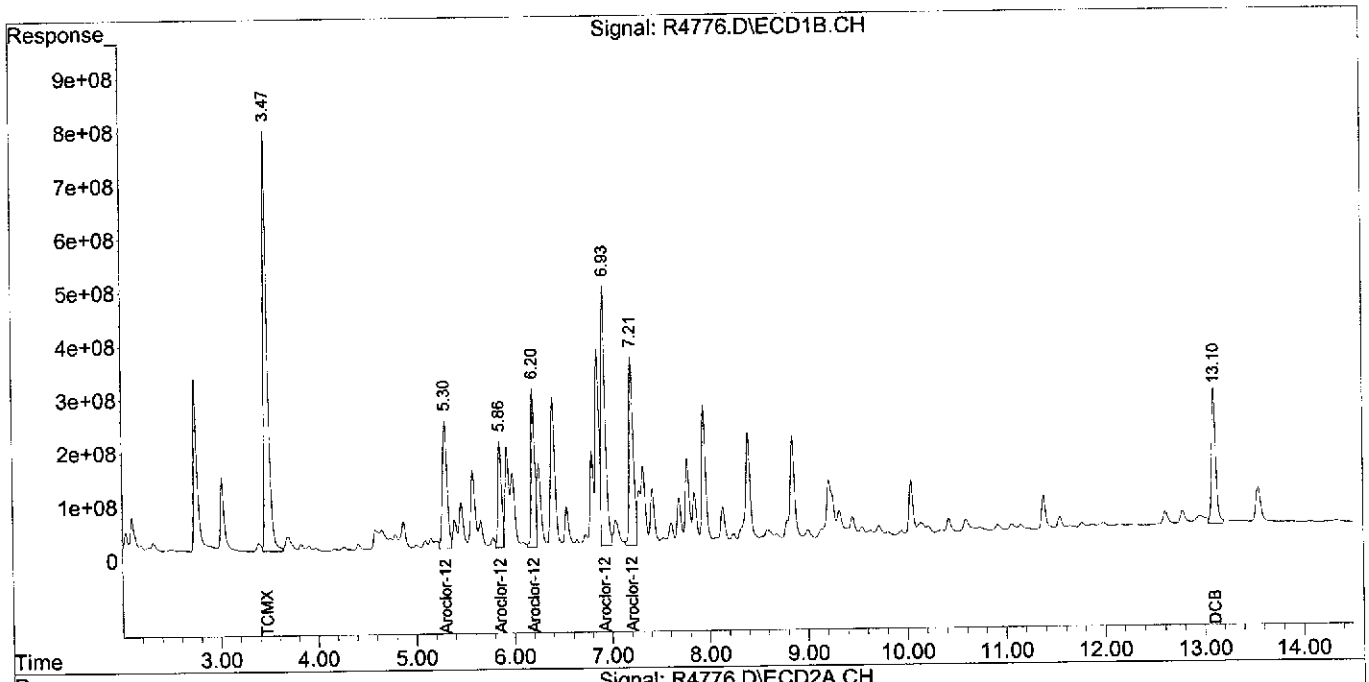
Quantitation Report (QT Reviewed)

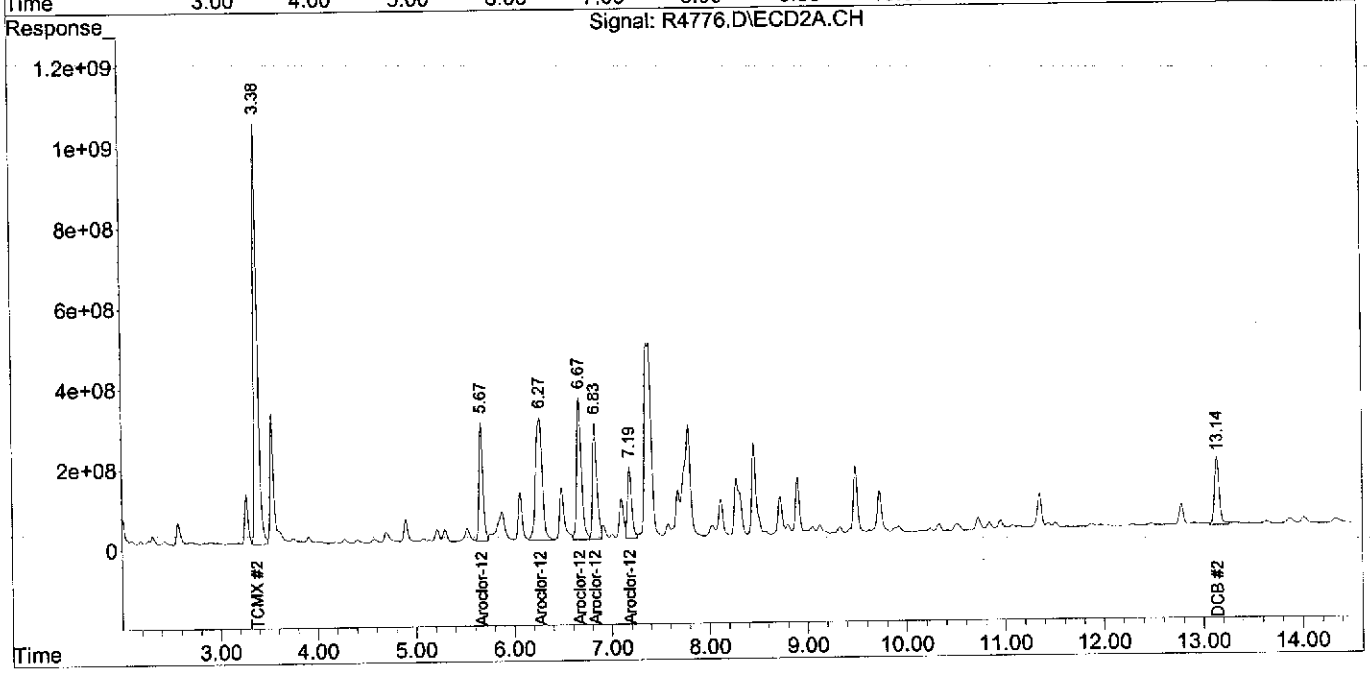
Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4776.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 3:10
Operator : JS
Sample : Y-13_(0-2.,10687-020,S,5.08g,0,10/23/12,4
Misc : 121023-08,10/22/12,10/22/12,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 09:45:09 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Thu Nov 15 10:29:06 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Signal #2 Phase:
Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : Y2977.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 18:12
Operator : JS
Sample : Y-13_(2.0-,10687-021,S,5.34g,37.9,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,2
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:38:51 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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	2.82	2.92	5982.3E6	4268.4E6	58.979	129.436 #
Spiked Amount 200.000			Recovery	=	29.49%	64.72%
2) S DCB	12.11	12.49	3216.6E6	932.4E6	126.175	89.795m#
Spiked Amount 200.000			Recovery	=	63.09%	44.90%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
3) L6 Aroclor-1248	4.50	5.13	5376.5E6	1571.5E6	1384.421	1241.554m
4) L6 Aroclor-1248 {2}	5.05	5.73	1857.6E6	2449.1E6	885.551	1300.981m#
5) L6 Aroclor-1248 {3}	5.36	6.12	635.2E6	415.7E6	230.312m	312.988m#
6) L6 Aroclor-1248 {4}	6.06	6.27	2291.0E6	423.6E6	443.612	346.329m
7) L6 Aroclor-1248 {5}	6.34	6.60	1223.9E6	700.7E6	351.086	1038.207m#
Sum Aroclor-1248			11384.2E6	5560.5E6	3294.982	4240.058
Average Aroclor-1248					658.996	848.012
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

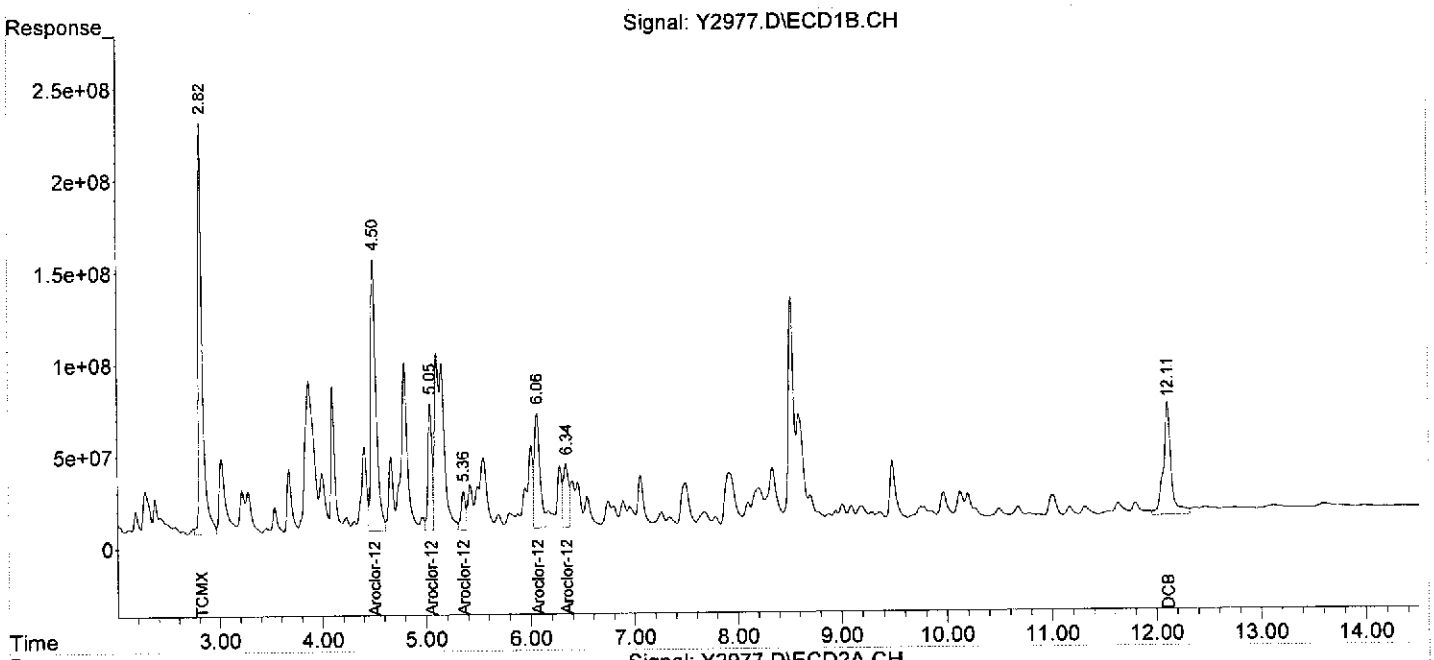
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

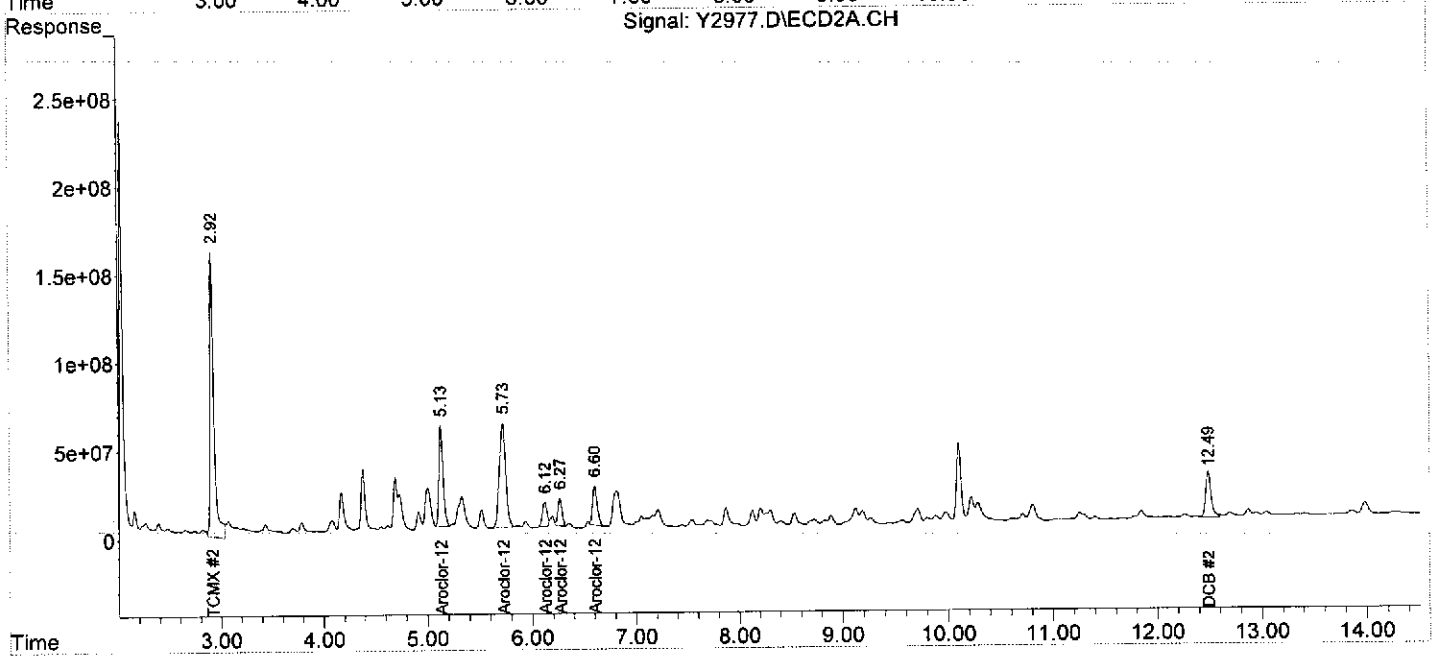
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : Y2977.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 18:12
Operator : JS
Sample : Y-13_(2.0-,10687-021,S,5.34g,37.9,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,2
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:38:51 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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)

ata Path : C:\MSDCHEM\1\DATA\10-25-12\
ata File : Y2955.D
ignal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
cq On : 26 Oct 2012 7:40
perator : JS
ample : Y-13_(4.0-,10687-022,S,5.00g,64.7,10/24/12,4
isc : 121024-04,10/22/12,10/22/12,1
LS Vial : 35 Sample Multiplier: 1

ntegration File signal 1: EVENTS.E
ntegration File signal 2: EVENTS2.E
uant Time: Nov 15 11:04:57 2012
uant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
uant Title :
Last Update : Thu Oct 25 08:44:30 2012
esponse via : Initial Calibration
ntegrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

olume Inj. :
ignal #1 Phase : Signal #2 Phase:
ignal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
S TCMX	2.82	2.90	23283.7E6	8209.5E6	229.550	248.947
Spiked Amount 200.000			Recovery	=	114.78%	124.47%
S DCB	12.11	12.48	5992.5E6	2269.3E6	235.061	218.548
Spiked Amount 200.000			Recovery	=	117.53%	109.27%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
erage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
erage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
erage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
erage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
erage Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
erage Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
erage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
erage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
erage Aroclor-1268					0.000	0.000

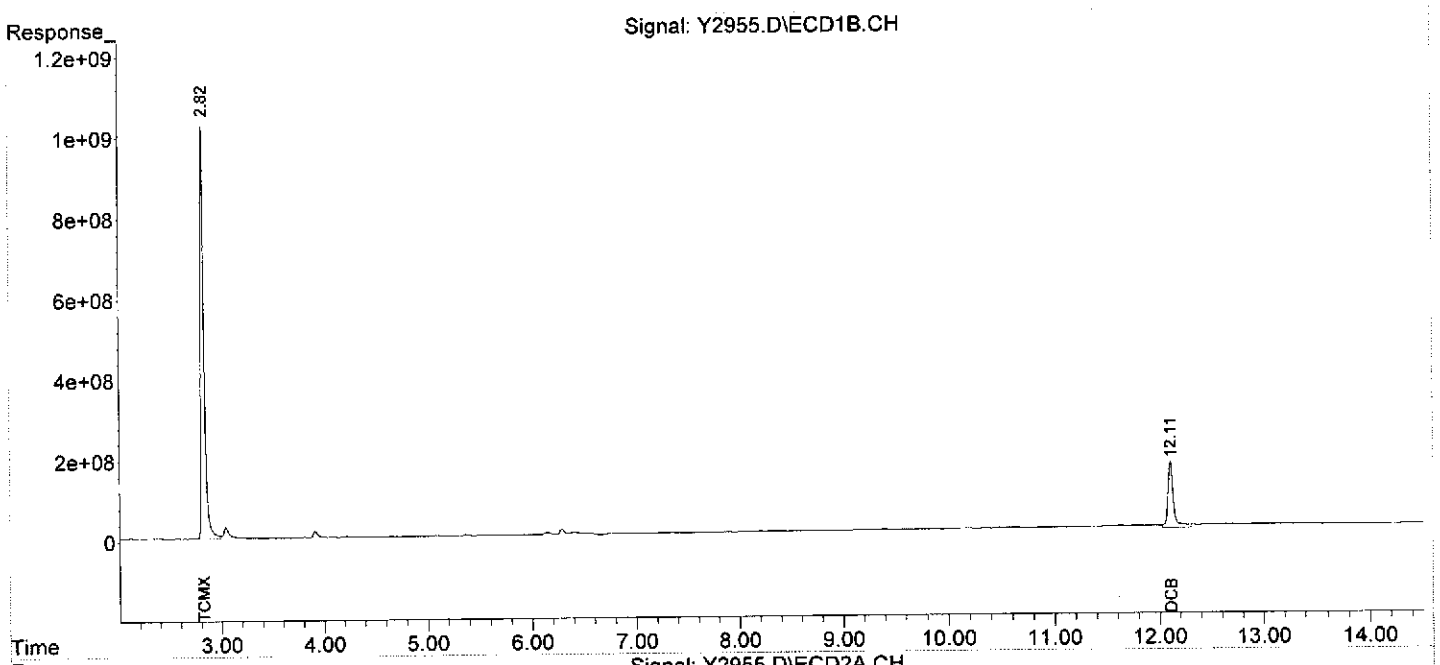
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

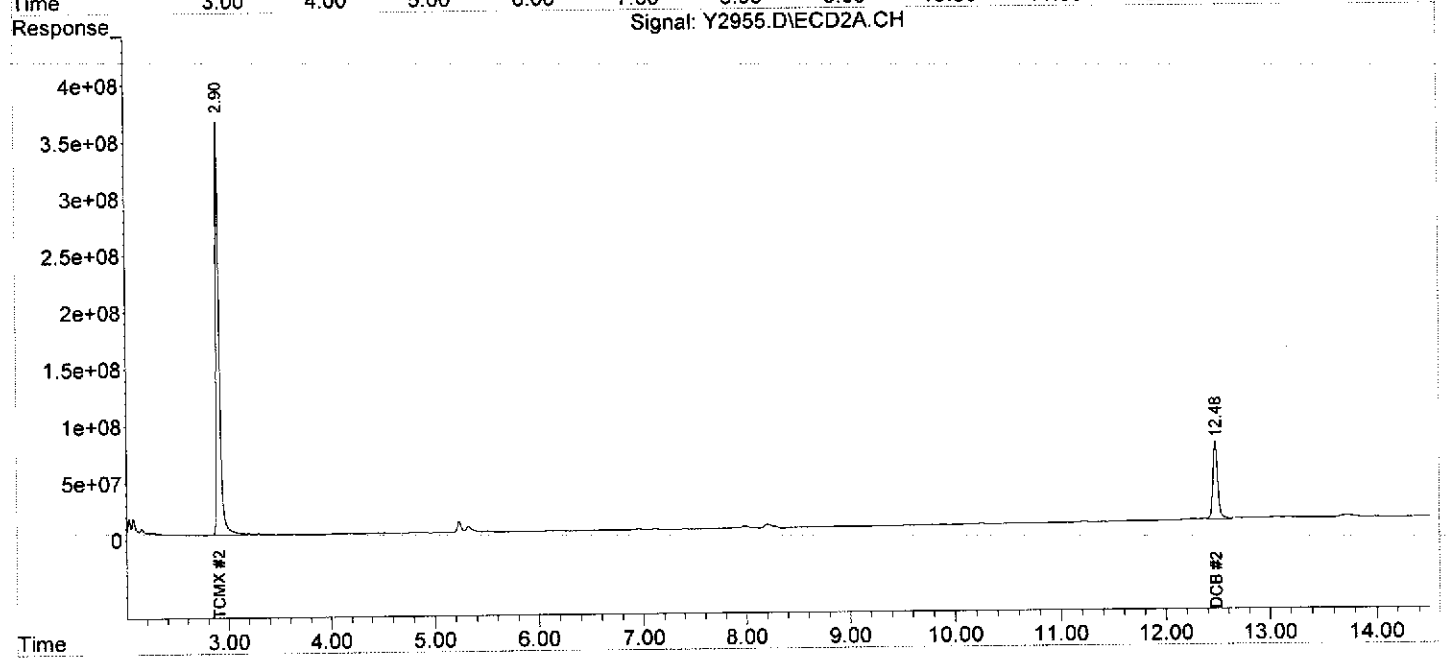
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2955.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 7:40
Operator : JS
Sample : Y-13_(4.0-,10687-022,S,5.00g,64.7,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:04:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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\10-25-12\
Data File : Y2956.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 7:57
Operator : JS
Sample : Y-13_(5.0-,10687-023,S,5.52g,20.6,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:05:18 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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						
) S TCMX	2.82	2.91	21097.5E6	7086.0E6	207.997	214.878
Spiked Amount 200.000			Recovery	=	104.00%	107.44%
) S DCB	12.11	12.48	4663.9E6	2070.0E6	182.945	199.355
Spiked Amount 200.000			Recovery	=	91.47%	99.68%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
erage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
erage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
erage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
erage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
erage Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
erage Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
erage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
erage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
erage Aroclor-1268					0.000	0.000

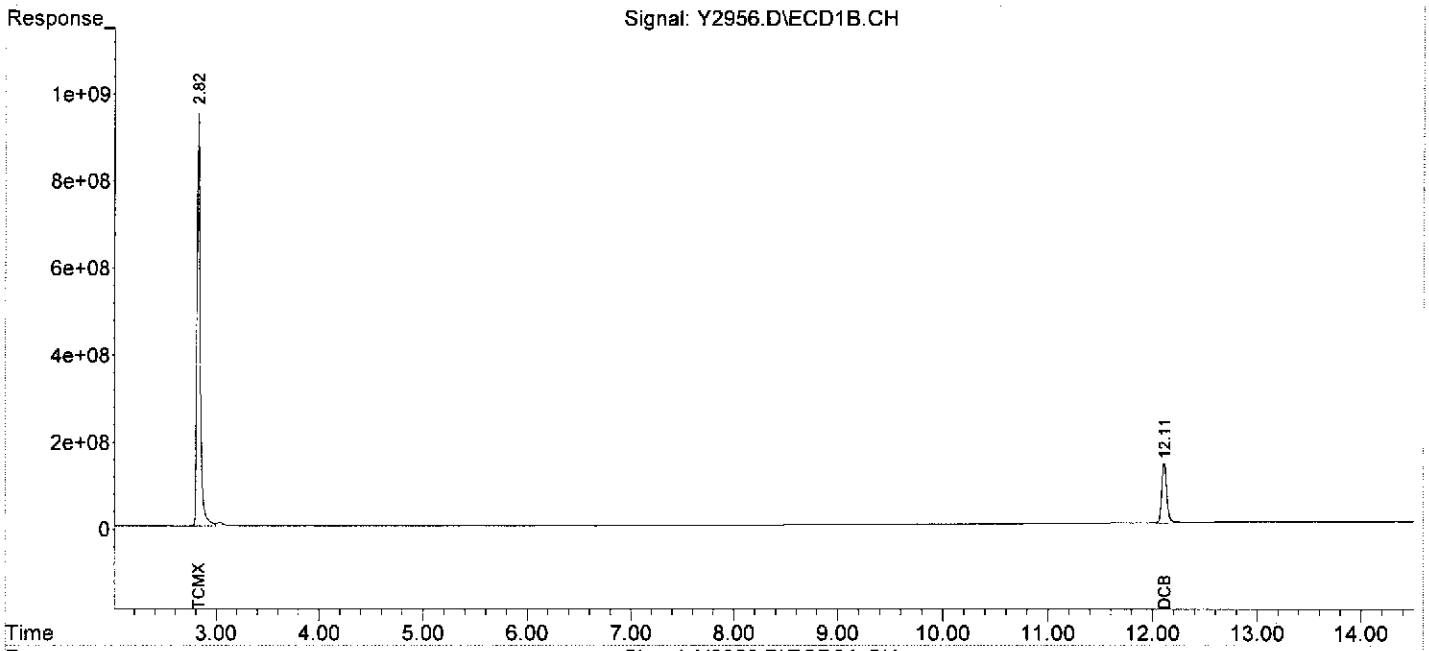
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

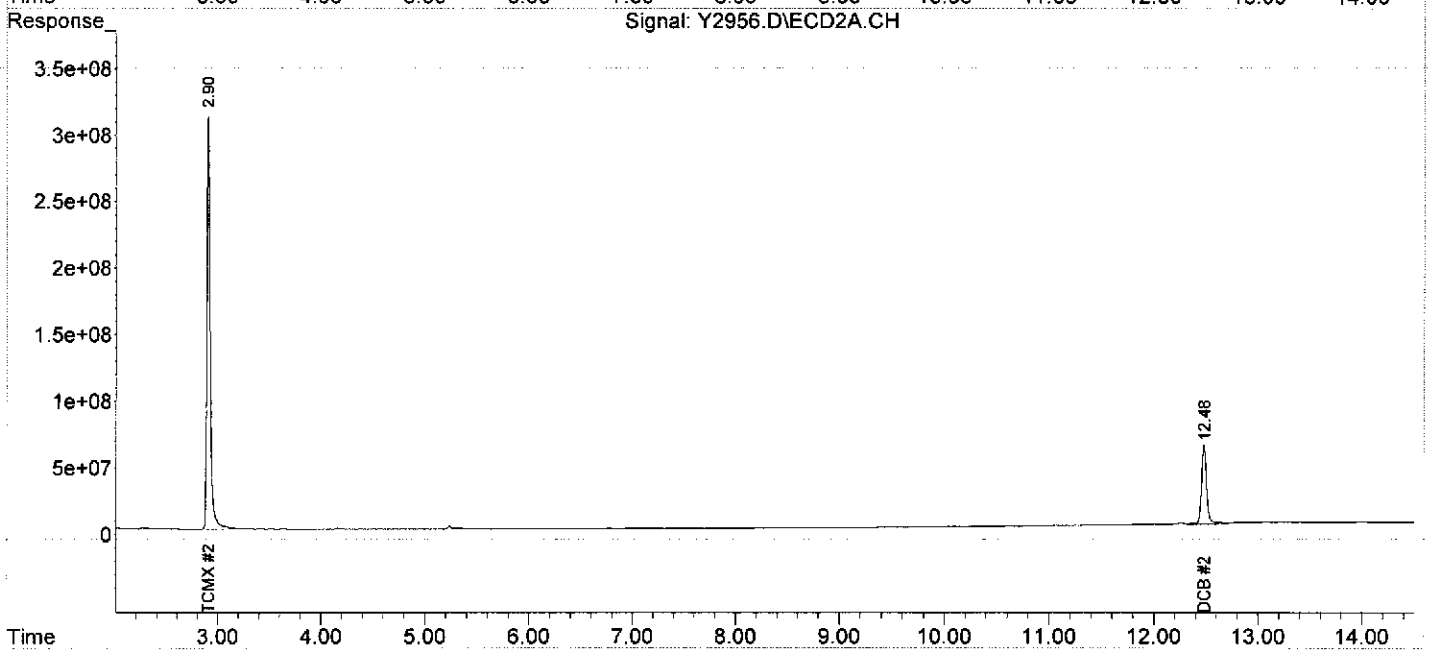
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2956.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 7:57
Operator : JS
Sample : Y-13_(5.0-,10687-023,S,5.52g,20.6,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:05:18 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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\10-25-12\
Data File : Y2957.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 8:15
Operator : JS
Sample : Y-12_(0-2.,10687-024,S,5.77g,11.4,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:05:46 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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						
L) S TCMX	2.82	2.91	19759.9E6	6468.4E6	194.810	196.149
Spiked Amount 200.000			Recovery	=	97.41%	98.07%
2) S DCB	12.11	12.48	4721.2E6	2083.3E6	185.193	200.630
Spiked Amount 200.000			Recovery	=	92.60%	100.32%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
3) L6 Aroclor-1248	4.52	5.12	1535.4E6	528.6E6	395.348	417.614
4) L6 Aroclor-1248 {2}	5.05	5.71	782.8E6	800.1E6	373.166	425.028
5) L6 Aroclor-1248 {3}	5.37	6.10	1141.1E6	613.2E6	413.735	461.723
6) L6 Aroclor-1248 {4}	6.07	6.26	2780.8E6	528.2E6	538.455	431.873
7) L6 Aroclor-1248 {5}	6.34	6.61	1966.8E6	338.4E6	564.200	501.411
Sum Aroclor-1248			8206.8E6	2808.5E6	2284.904	2237.649
verage Aroclor-1248					456.981	447.530
Sum Aroclor-1254			0	0	N.D.	N.D.
verage Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
verage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
verage Aroclor-1268					0.000	0.000

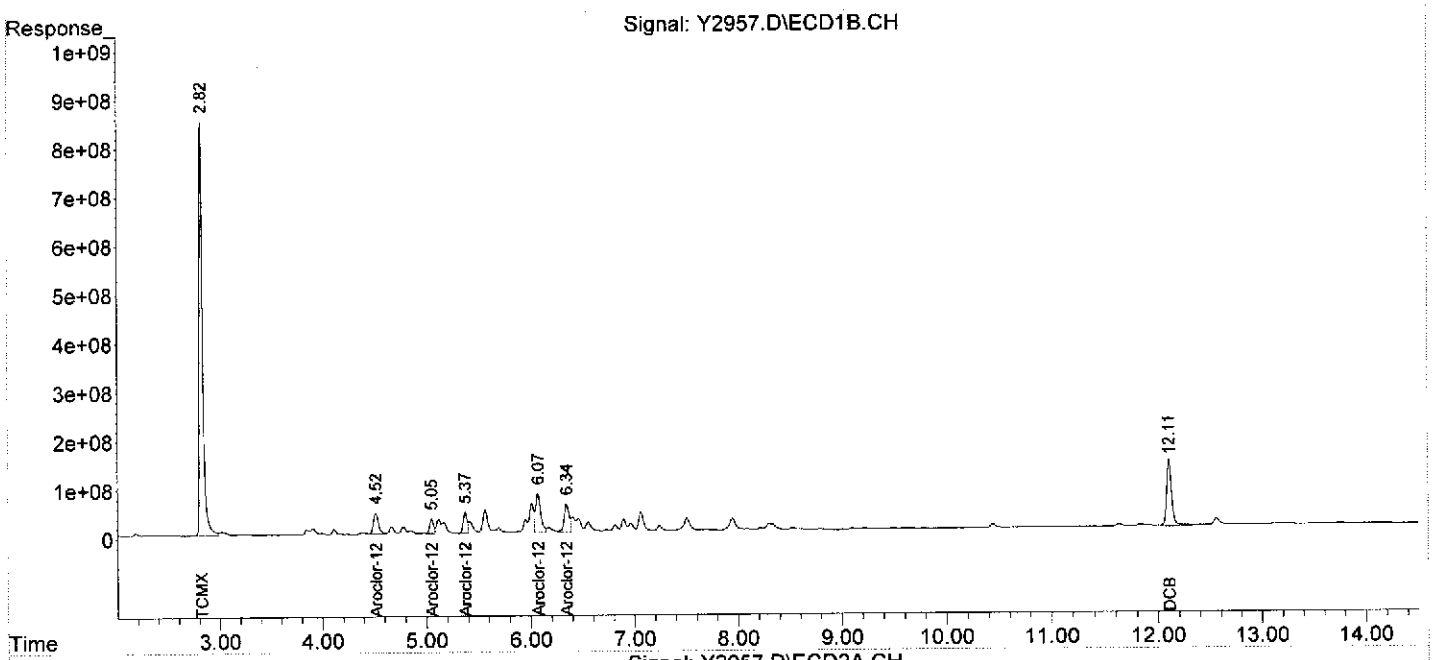
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

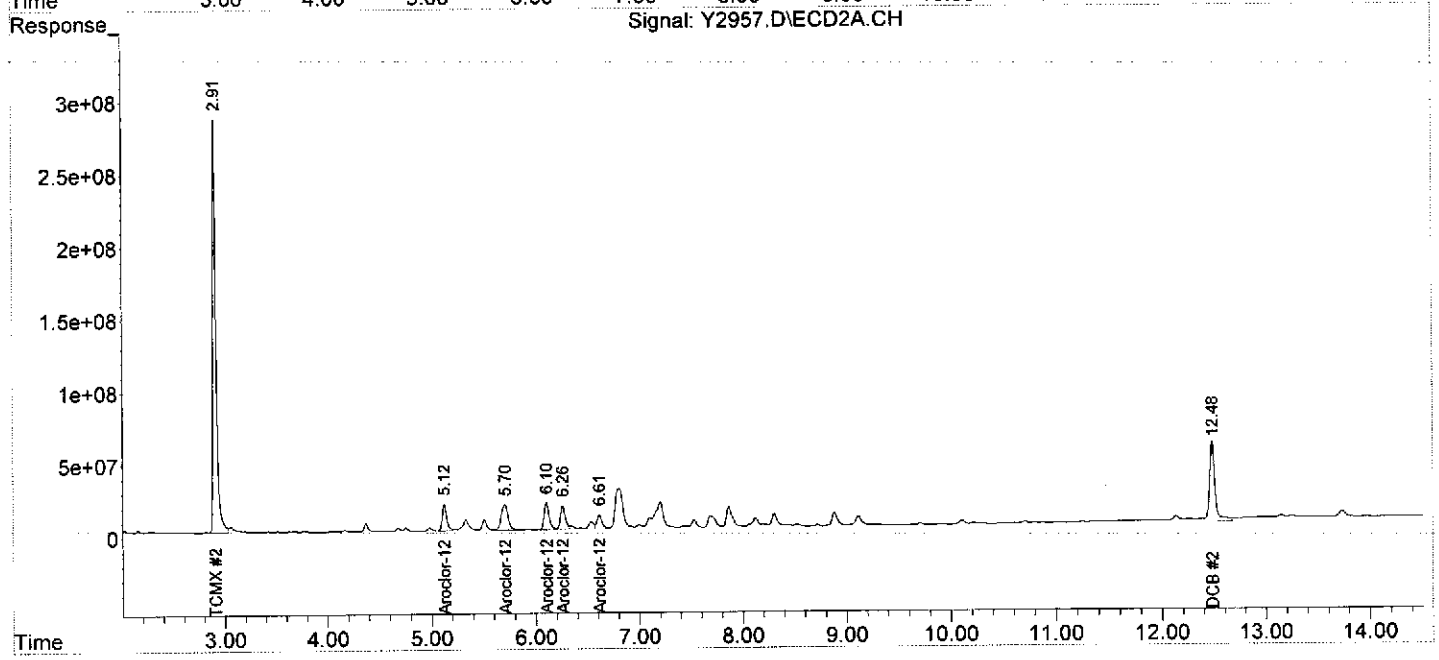
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2957.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 8:15
Operator : JS
Sample : Y-12_(0-2.,10687-024,S,5.77g,11.4,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:05:46 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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\10-25-12\
Data File : Y2958.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 8:32
Operator : JS
Sample : Y-12_(2.0-,10687-025,S,5.25g,8.80,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:09:19 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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	2.82	2.91	19488.6E6	6512.2E6	192.136	197.476
Spiked Amount 200.000			Recovery	=	96.07%	98.74%
2) S DCB	12.11	12.48	4536.1E6	1855.1E6	177.931	178.661
Spiked Amount 200.000			Recovery	=	88.97%	89.33%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
3) L6 Aroclor-1248	4.52	5.12	40642036	15199542	10.465m	12.009
4) L6 Aroclor-1248 {2}	0.00	5.70	0	27951040	N.D. d	14.848 #
5) L6 Aroclor-1248 {3}	5.36	6.10	90560450	23979022	32.836m	18.056 #
6) L6 Aroclor-1248 {4}	6.07	6.26	93677592	15285209	18.139	12.498 #
7) L6 Aroclor-1248 {5}	0.00	6.61	0	11356287	N.D. d	16.825 #
Sum Aroclor-1248			224.9E6	93771101	61.440	74.236
verage Aroclor-1248					20.480	14.847
Sum Aroclor-1254			0	0	N.D.	N.D.
verage Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
verage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
verage Aroclor-1268					0.000	0.000

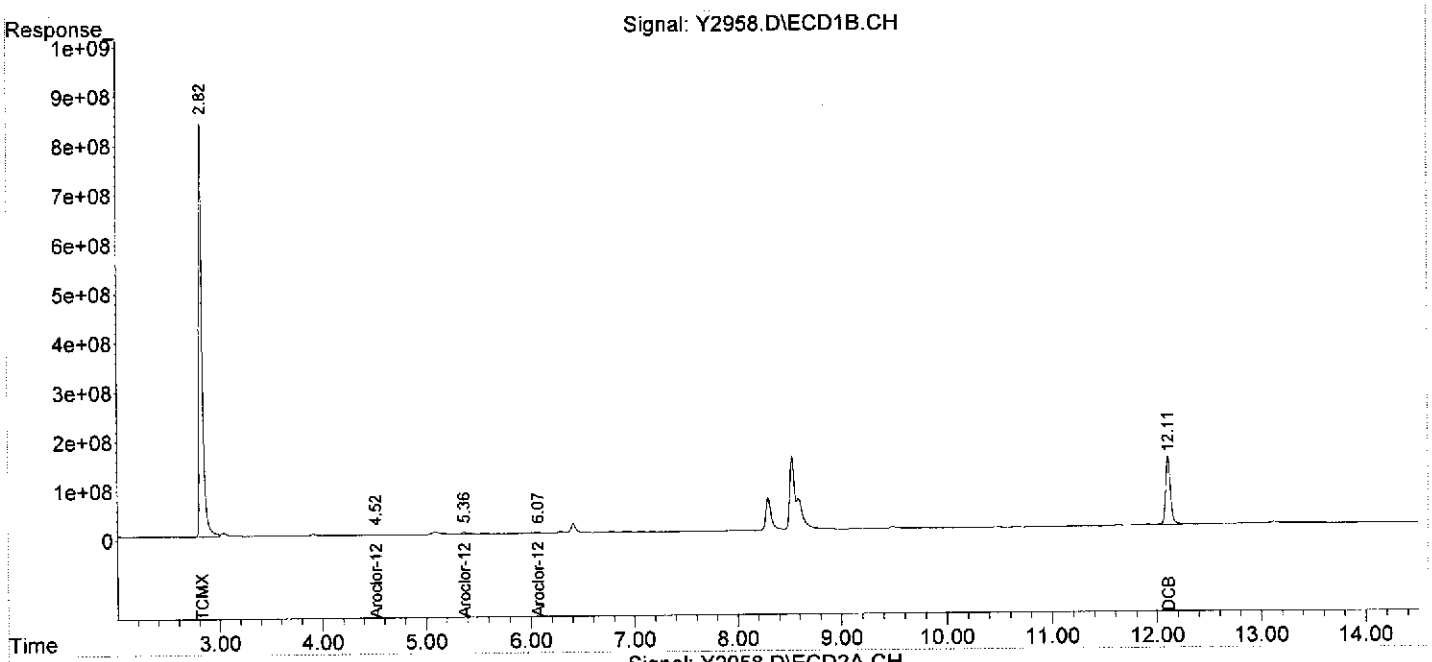
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

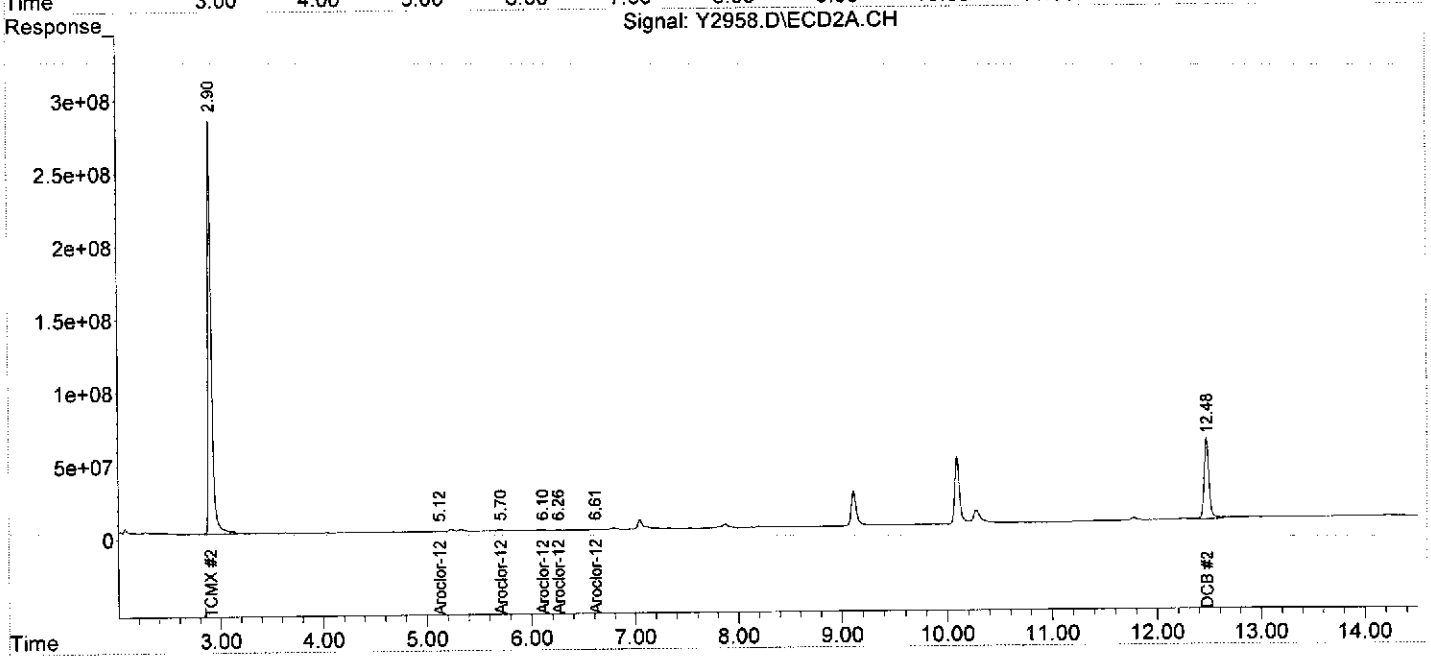
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2958.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 8:32
Operator : JS
Sample : Y-12_(2.0-,10687-025,S,5.25g,8.80,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:09:19 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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\10-25-12\
Data File : Y2959.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 8:49
Operator : JS
Sample : Y-12_(4.0-,10687-026,S,5.56g,57.4,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:09:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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	2.82	2.90	24225.6E6	8411.4E6	238.837	255.068
Spiked Amount 200.000			Recovery	=	119.42%	127.53%
2) S DCB	12.10	12.48	6443.6E6	2397.9E6	252.756	230.929
Spiked Amount 200.000			Recovery	=	126.38%	115.46%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
verage Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
verage Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
verage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
verage Aroclor-1268					0.000	0.000

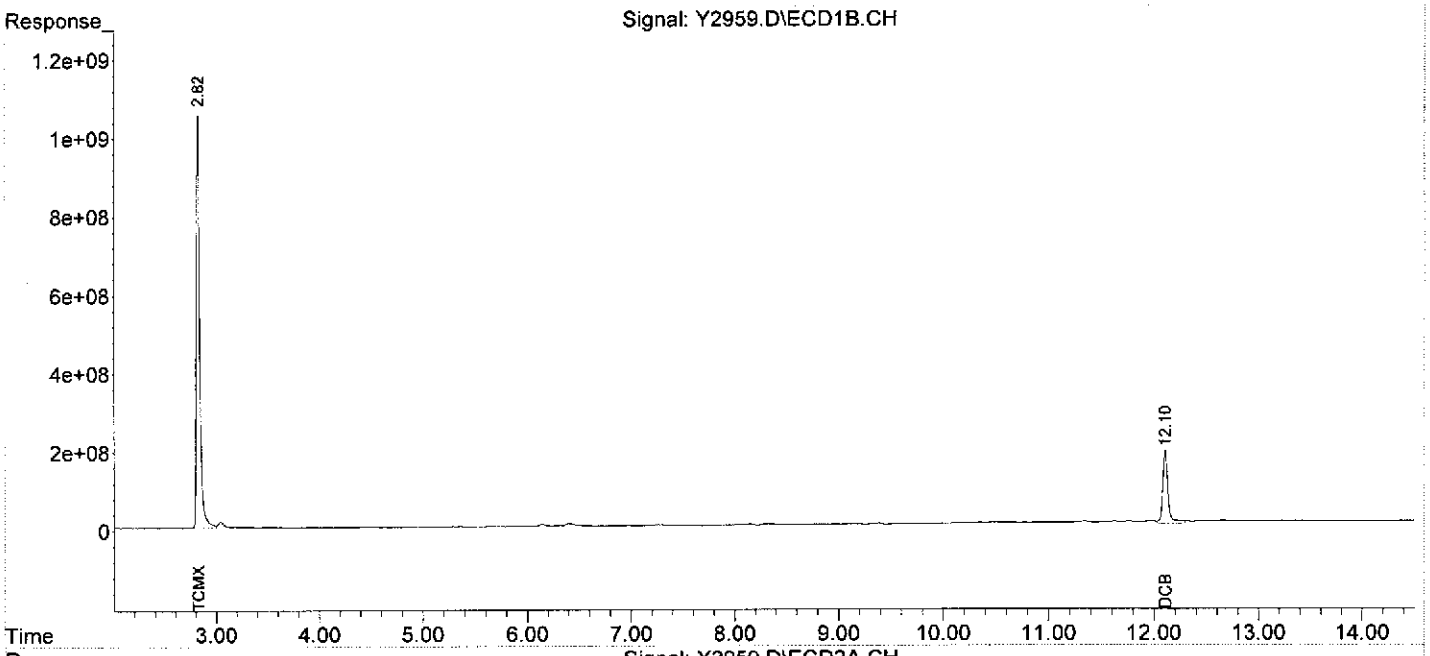
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

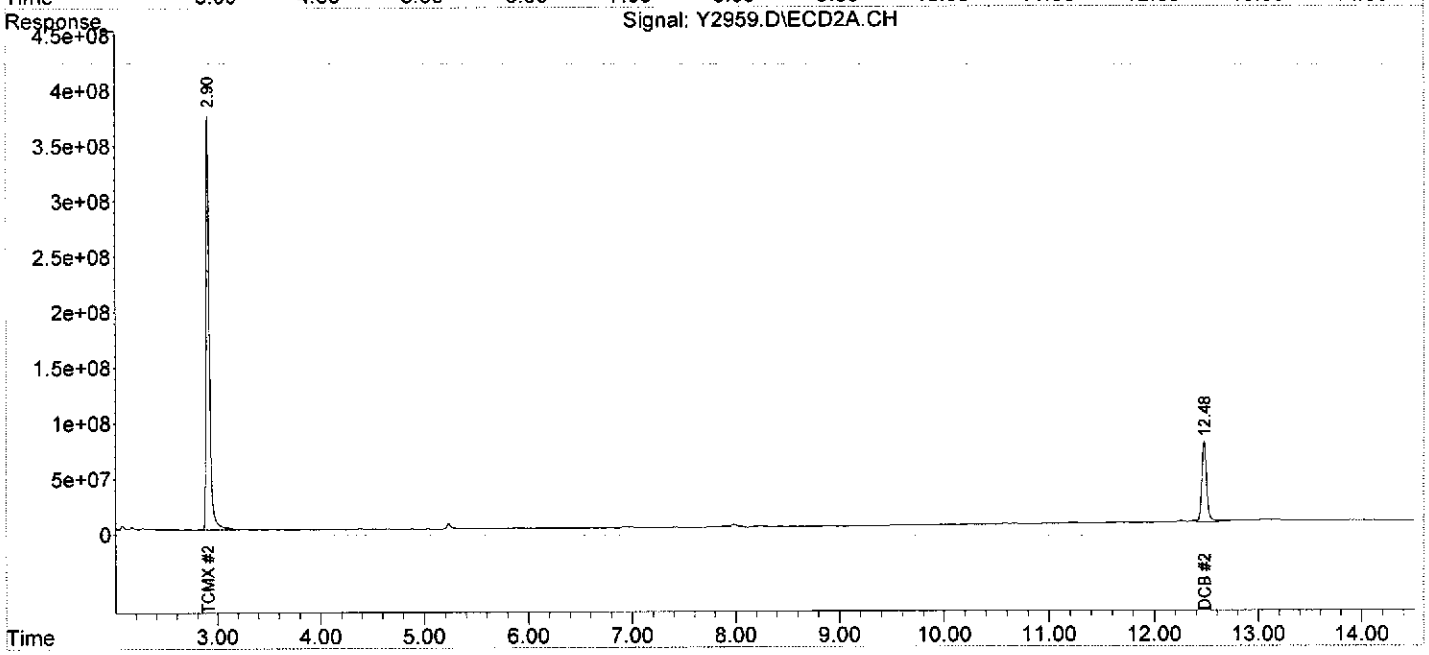
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2959.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 8:49
Operator : JS
Sample : Y-12_(4.0-,10687-026,S,5.56g,57.4,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:09:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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\10-25-12\
Data File : Y2960.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 9:06
Operator : JS
Sample : Y-12_(5.0-,10687-027,S,5.62g,20.4,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:10:07 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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	2.82	2.91	21291.6E6	6980.0E6	209.911	211.662
Spiked Amount 200.000			Recovery	=	104.96%	105.83%
2) S DCB	12.11	12.48	4647.3E6	1937.1E6	182.295	186.559
Spiked Amount 200.000			Recovery	=	91.15%	93.28%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
verage Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
verage Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
verage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
verage Aroclor-1268					0.000	0.000

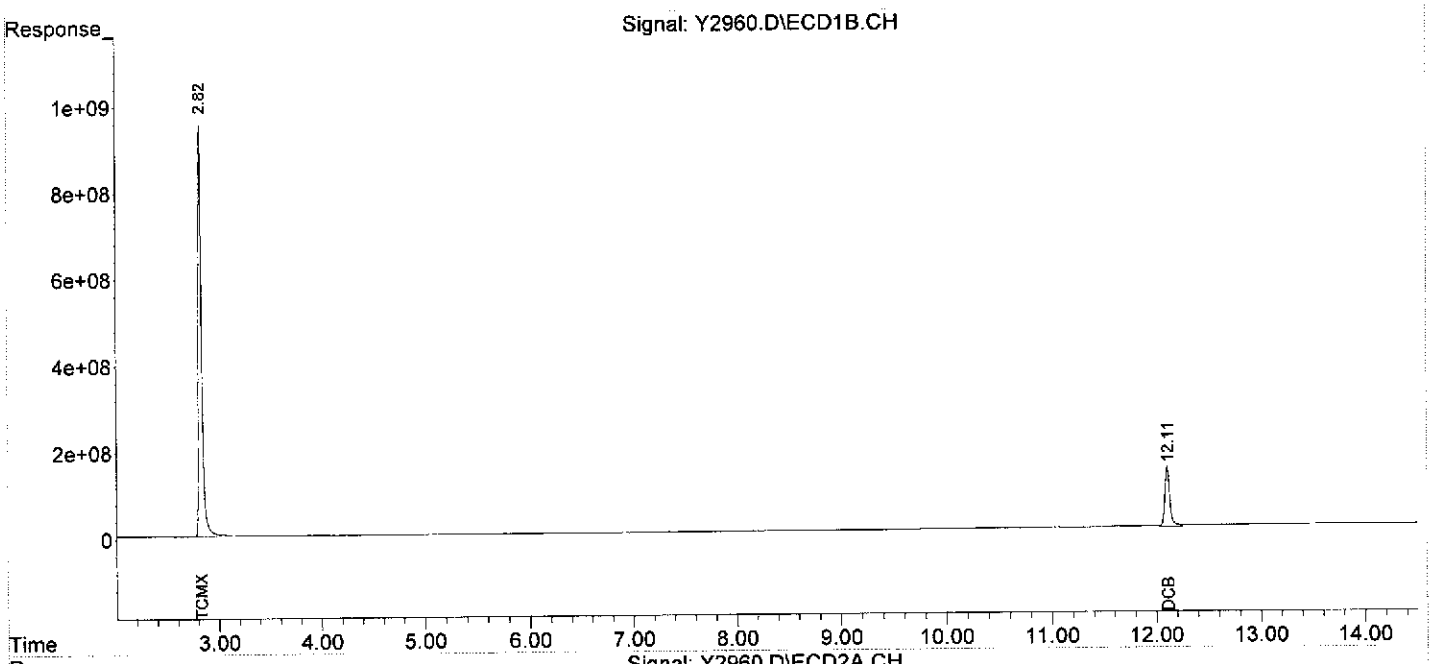
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

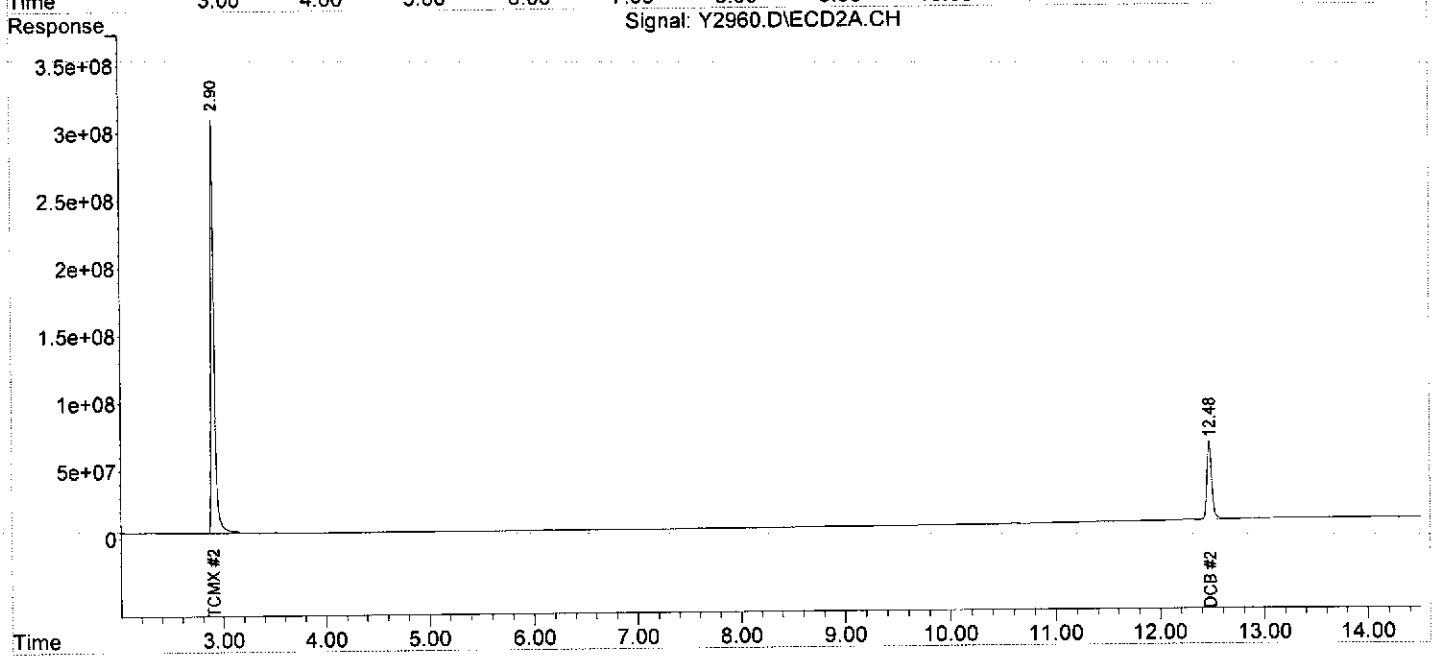
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2960.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 9:06
Operator : JS
Sample : Y-12_(5.0-,10687-027,S,5.62g,20.4,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:10:07 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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\10-25-12\
Data File : Y2961.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 9:23
Operator : JS
Sample : DD-23_(0-2,10687-028,S,5.07g,14.9,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:11:39 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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	2.82	2.91	19355.3E6	6459.0E6	190.821	195.863
Spiked Amount 200.000			Recovery	=	95.41%	97.93%
2) S DCB	12.11	12.48	4608.8E6	1806.7E6	180.784	174.001
Spiked Amount 200.000			Recovery	=	90.39%	87.00%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
verage Aroclor-1248					0.000	0.000
8) L7 Aroclor-1254	6.46	7.10	168.9E6	87788805	32.733	52.365 #
9) L7 Aroclor-1254 {2}	6.90	7.69	144.4E6	82136117	44.153	61.962 #
0) L7 Aroclor-1254 {3}	7.06	8.30	255.4E6	74247680	39.630	57.453 #
1) L7 Aroclor-1254 {4}	7.50	8.52	268.4E6	41259636	41.645	52.407 #
2) L7 Aroclor-1254 {5}	8.34	9.11	327.7E6	106.2E6	57.114	56.593m
Sum Aroclor-1254			1164.9E6	391.7E6	215.275	280.780
verage Aroclor-1254					43.055	56.156
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
verage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
verage Aroclor-1268					0.000	0.000

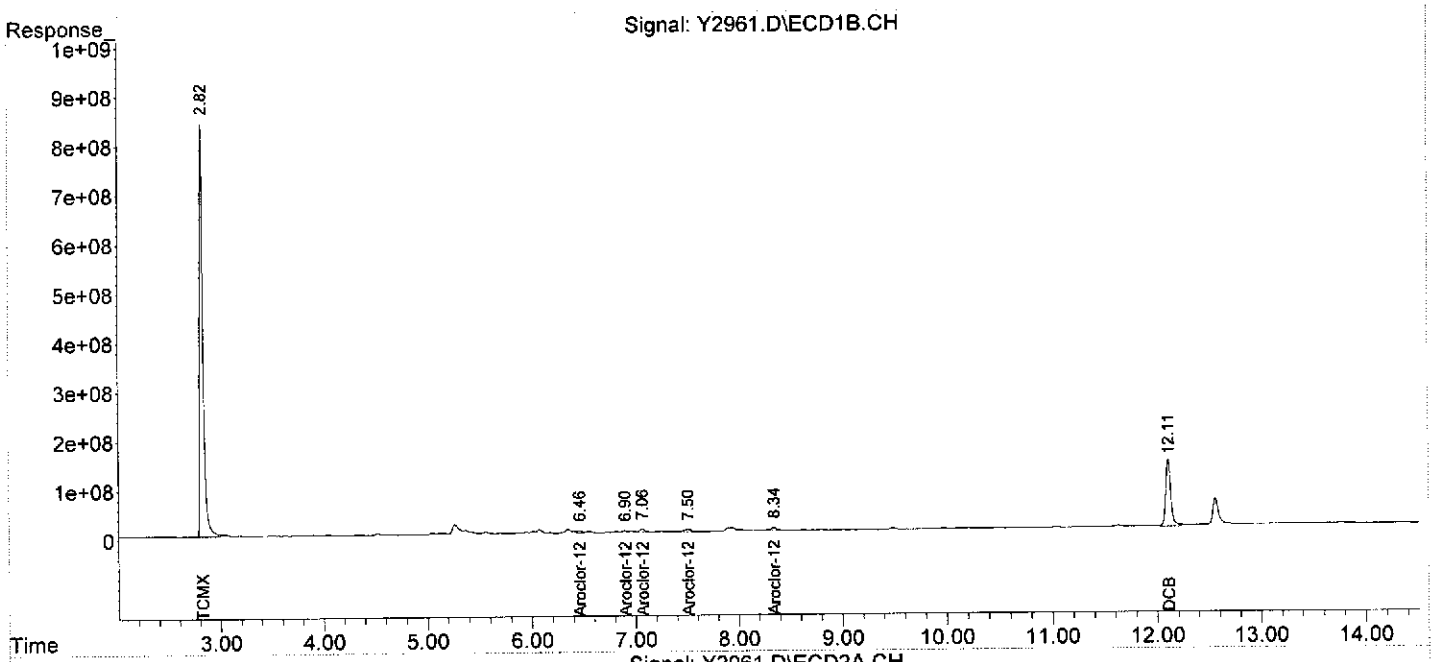
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

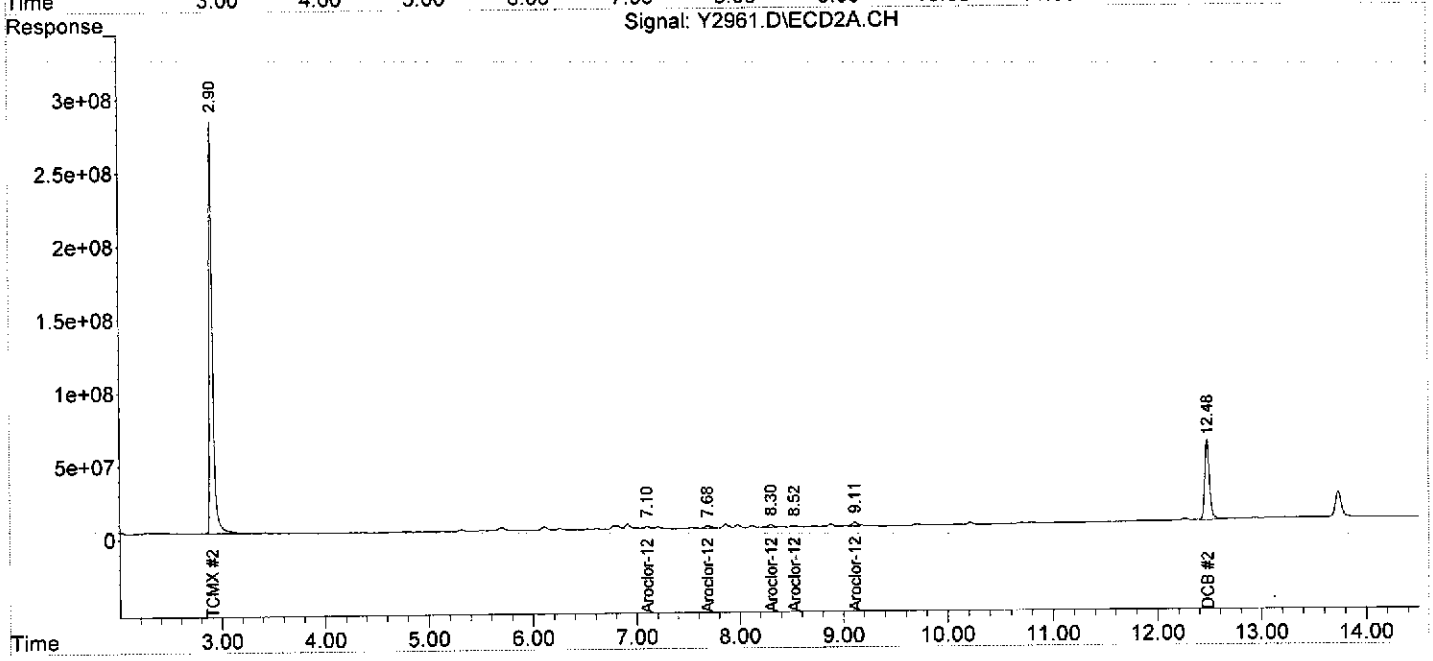
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2961.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 9:23
Operator : JS
Sample : DD-23_(0-2,10687-028,S,5.07g,14.9,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:11:39 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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\10-26-12\
Data File : Y2978.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 18:30
Operator : JS
Sample : DD-23_(2.0,10687-029,S,5.45g,43.8,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,5
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:39:17 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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	2.82	2.91	4258.0E6	1477.4E6	41.979	44.802
Spiked Amount 200.000			Recovery	=	20.99%	22.40%
2) S DCB	12.11	12.48	1287.7E6	483.1E6	50.513	46.524
Spiked Amount 200.000			Recovery	=	25.26%	23.26%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
3) L6 Aroclor-1248	4.52	5.13	5057.2E6	1655.9E6	1302.184	1308.254
4) L6 Aroclor-1248 {2}	5.05	5.71	2377.2E6	2170.3E6	1133.268	1152.879
5) L6 Aroclor-1248 {3}	5.37	6.10	3342.5E6	1593.5E6	1211.969	1199.903
6) L6 Aroclor-1248 {4}	6.07	6.26	6411.1E6	1471.0E6	1241.389	1202.742
7) L6 Aroclor-1248 {5}	6.34	6.61	4687.9E6	848.6E6	1344.785	1257.332
Sum Aroclor-1248			21876.0E6	7739.3E6	6233.596	6121.110
verage Aroclor-1248					1246.719	1224.222
Sum Aroclor-1254			0	0	N.D.	N.D.
verage Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
verage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
verage Aroclor-1268					0.000	0.000

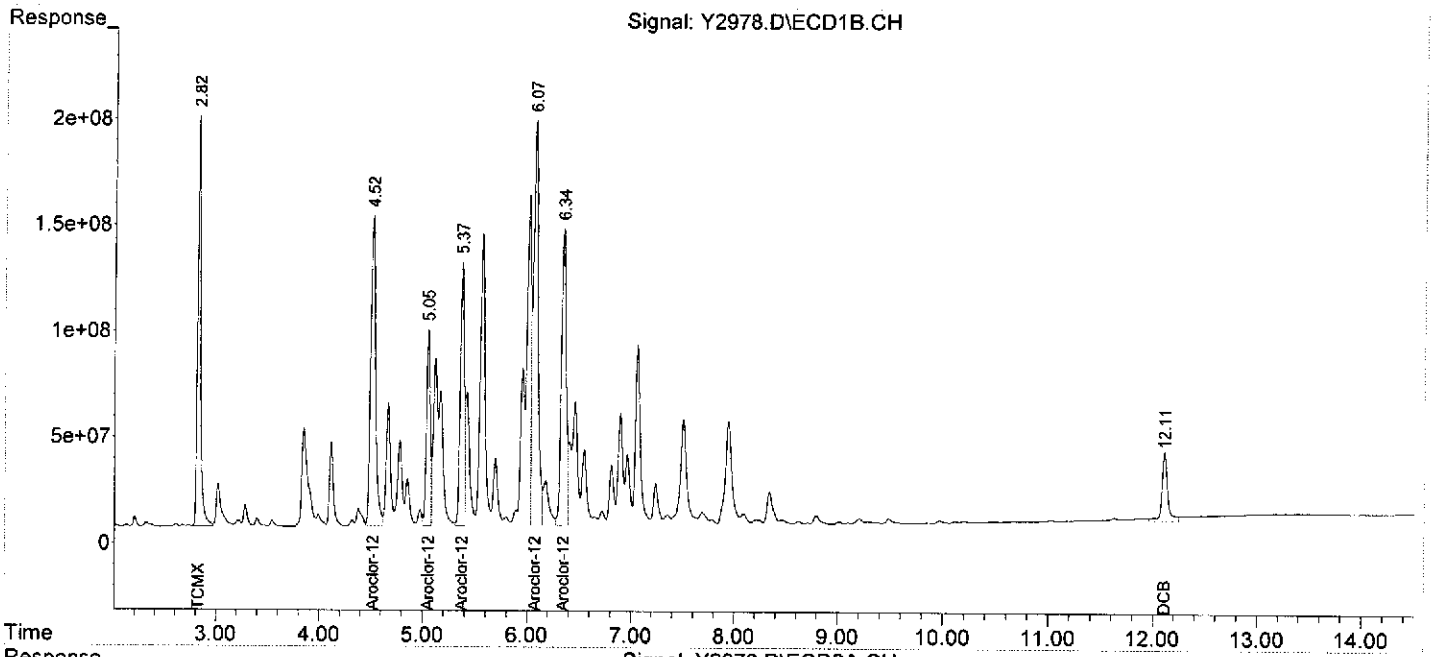
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

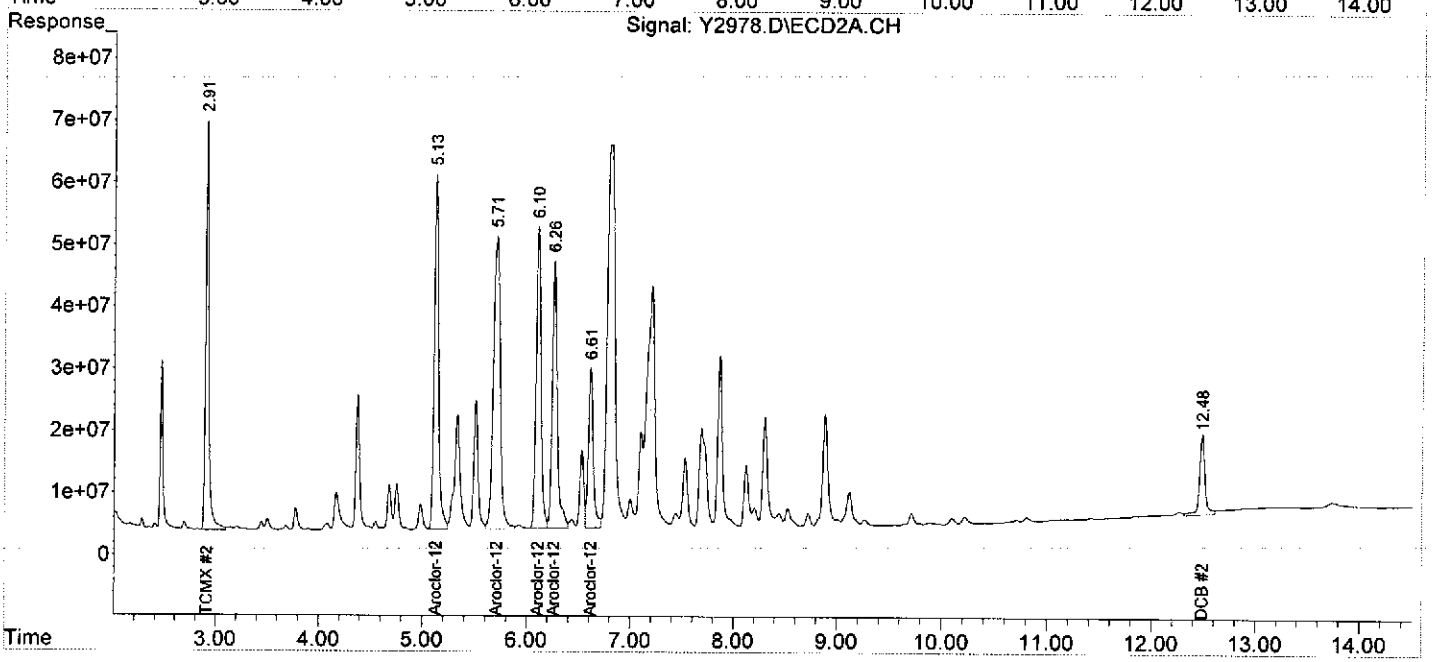
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : Y2978.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 18:30
Operator : JS
Sample : DD-23_(2.0,10687-029,S,5.45g,43.8,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,5
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:39:17 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





PCB1024.M Thu Nov 15 12:00:29 2012

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2963.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 9:57
Operator : JS
Sample : DD-23_(4.0,10687-030,S,5.87g,21.3,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:12:19 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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	2.82	2.91	20250.6E6	6854.6E6	199.648	207.860
Spiked Amount 200.000			Recovery	=	99.82%	103.93%
2) S DCB	12.11	12.48	4870.0E6	1970.6E6	191.032	189.780
Spiked Amount 200.000			Recovery	=	95.52%	94.89%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
verage Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
verage Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
verage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
verage Aroclor-1268					0.000	0.000

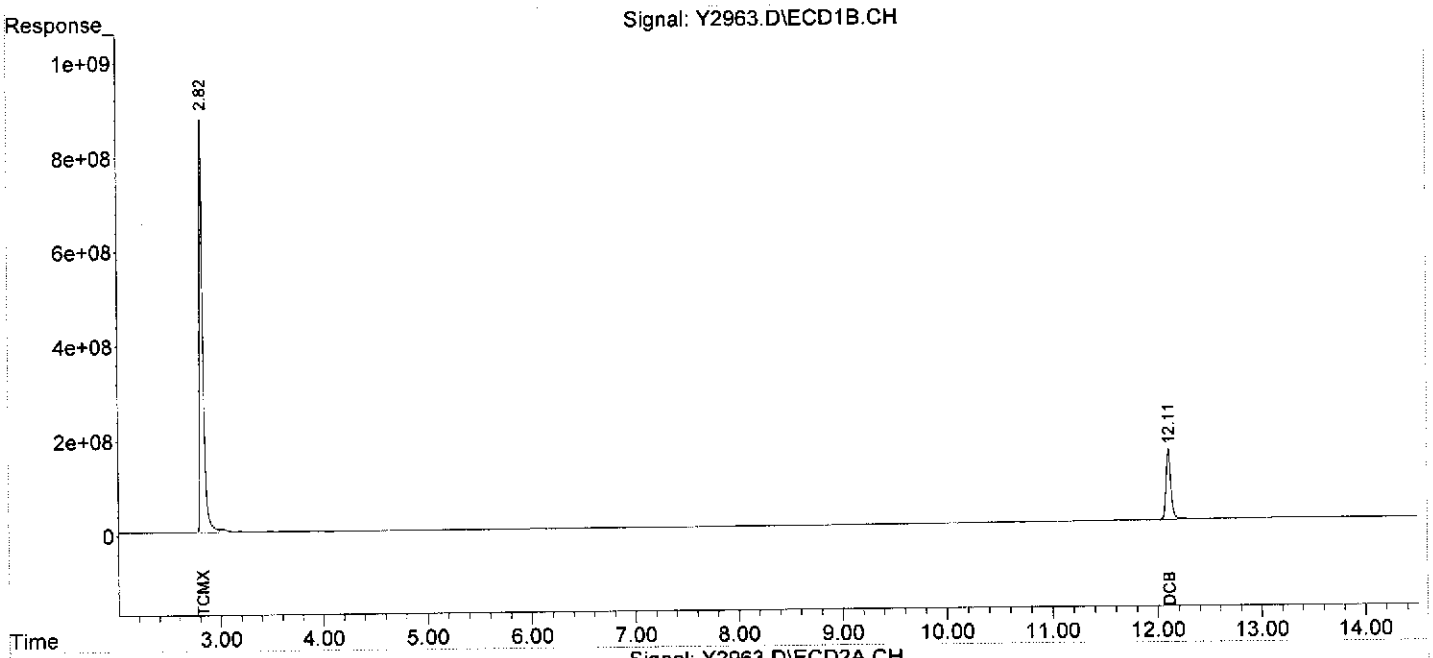
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

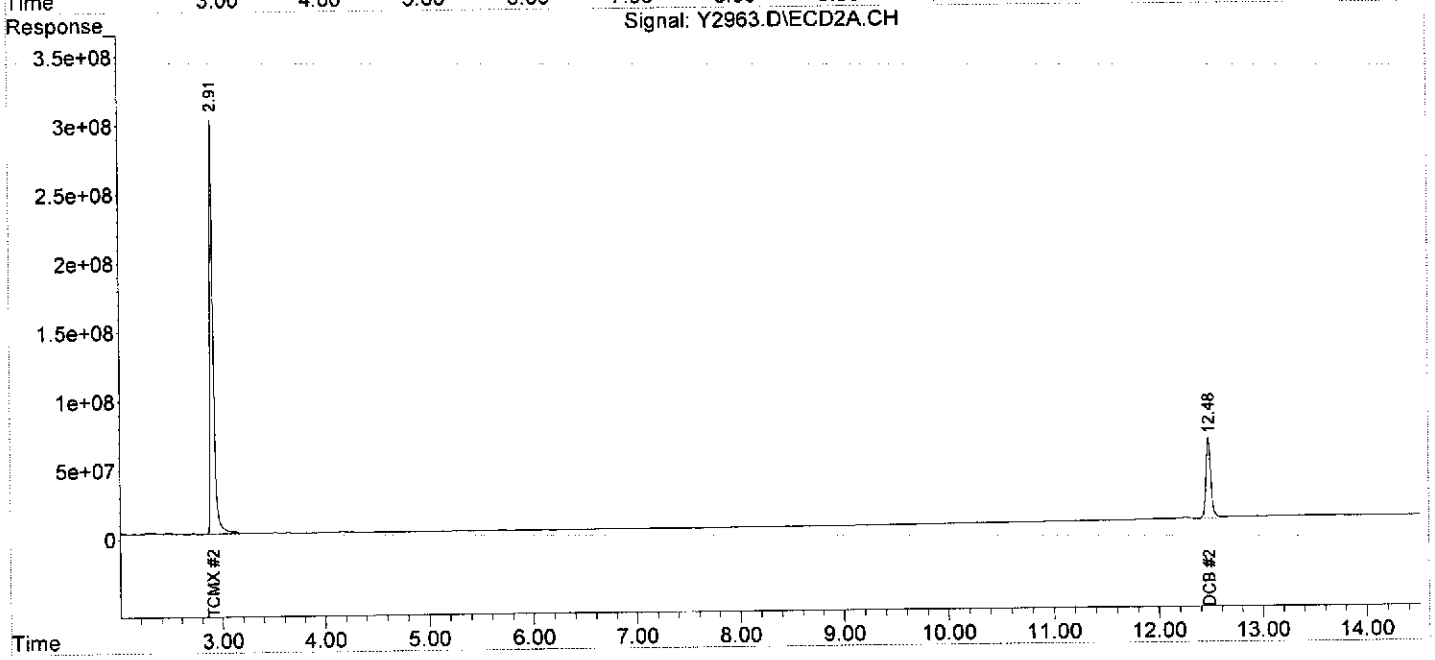
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2963.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 9:57
Operator : JS
Sample : DD-23_(4.0,10687-030,S,5.87g,21.3,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:12:19 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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\10-25-12\
Data File : Y2964.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 10:15
Operator : JS
Sample : DD-22_(0-2,10687-031,S,5.23g,24.6,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:18:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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		2.82	2.91	18079.3E6	6427.5E6	178.241	194.910
Spiked Amount 200.000				Recovery =		89.12%	97.45%
2) S DCB		12.11	12.48	5089.0E6	2032.8E6	199.619	195.772
Spiked Amount 200.000				Recovery =		99.81%	97.89%
Target Compounds							
Sum Aroclor-1016				0	0	N.D.	N.D.
verage Aroclor-1016						0.000	0.000
Sum Aroclor-1221				0	0	N.D.	N.D.
verage Aroclor-1221						0.000	0.000
Sum Aroclor-1232				0	0	N.D.	N.D.
verage Aroclor-1232						0.000	0.000
Sum Aroclor-1242				0	0	N.D.	N.D.
verage Aroclor-1242						0.000	0.000
3) L6 Aroclor-1248		4.52	5.12	1431.2E6	445.4E6	368.529	351.911
4) L6 Aroclor-1248	{2}	5.05	5.70	743.9E6	873.0E6	354.652	463.739 #
5) L6 Aroclor-1248	{3}	5.37	6.10	1743.6E6	694.0E6	632.220	522.562
6) L6 Aroclor-1248	{4}	6.07	6.26	3193.3E6	879.3E6	618.323	718.954
7) L6 Aroclor-1248	{5}	6.34	6.61	3129.5E6	466.2E6	897.748	690.641
Sum Aroclor-1248				10241.6E6	3357.8E6	2871.471	2747.807
verage Aroclor-1248						574.294	549.561
8) L7 Aroclor-1254		6.45	7.10	1839.5E6	509.7E6	356.435m	304.022m
9) L7 Aroclor-1254	{2}	6.89	7.68	1723.2E6	549.9E6	526.785m	414.804m
0) L7 Aroclor-1254	{3}	7.06	8.29	3191.7E6	669.7E6	495.239m	518.248m
1) L7 Aroclor-1254	{4}	7.50	8.52	2276.0E6	489.2E6	353.090m	621.407m#
2) L7 Aroclor-1254	{5}	8.34	9.11	3640.2E6	1250.1E6	634.456m	665.988m
Sum Aroclor-1254				12670.6E6	3468.6E6	2366.005	2524.470
verage Aroclor-1254						473.201	504.894
Sum Aroclor-1260				0	0	N.D.	N.D.
verage Aroclor-1260						0.000	0.000
Sum Aroclor-1262				0	0	N.D.	N.D.
verage Aroclor-1262						0.000	0.000
Sum Aroclor-1268				0	0	N.D.	N.D.
verage Aroclor-1268						0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2964.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 10:15
Operator : JS
Sample : DD-22_(0-2,10687-031,S,5.23g,24.6,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:18:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

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

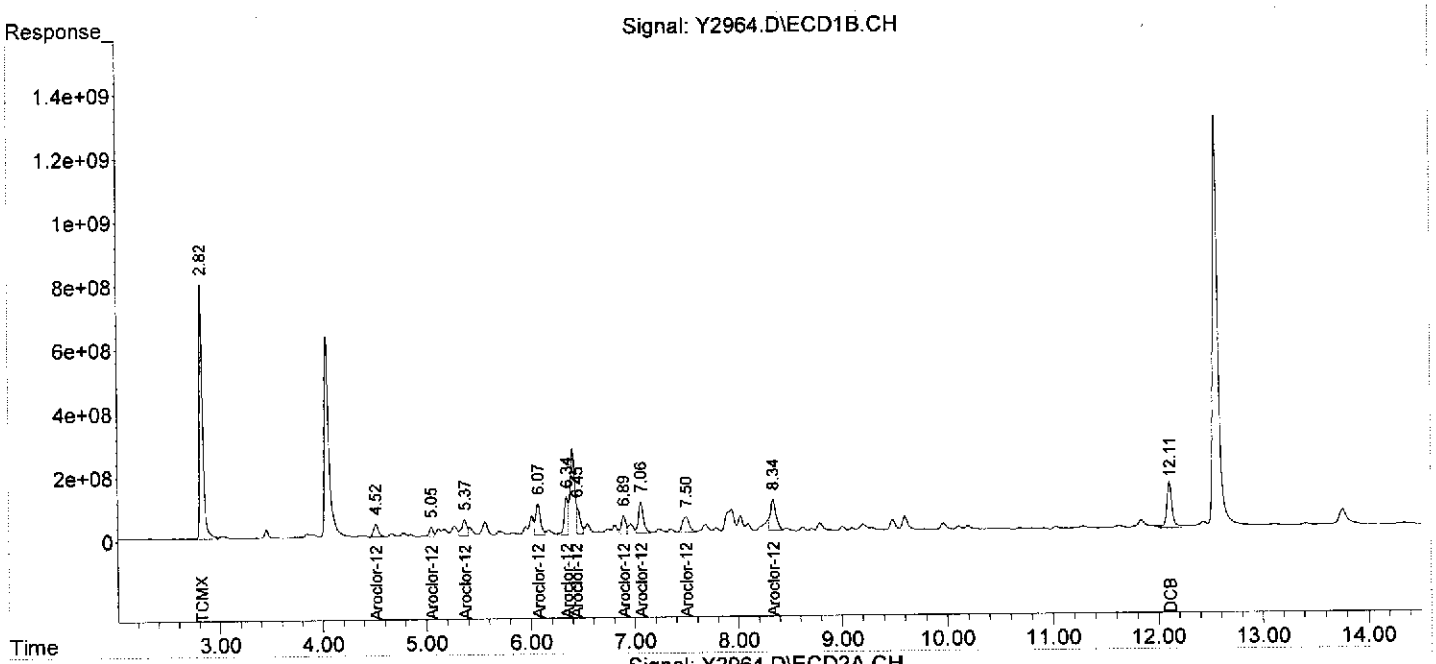
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

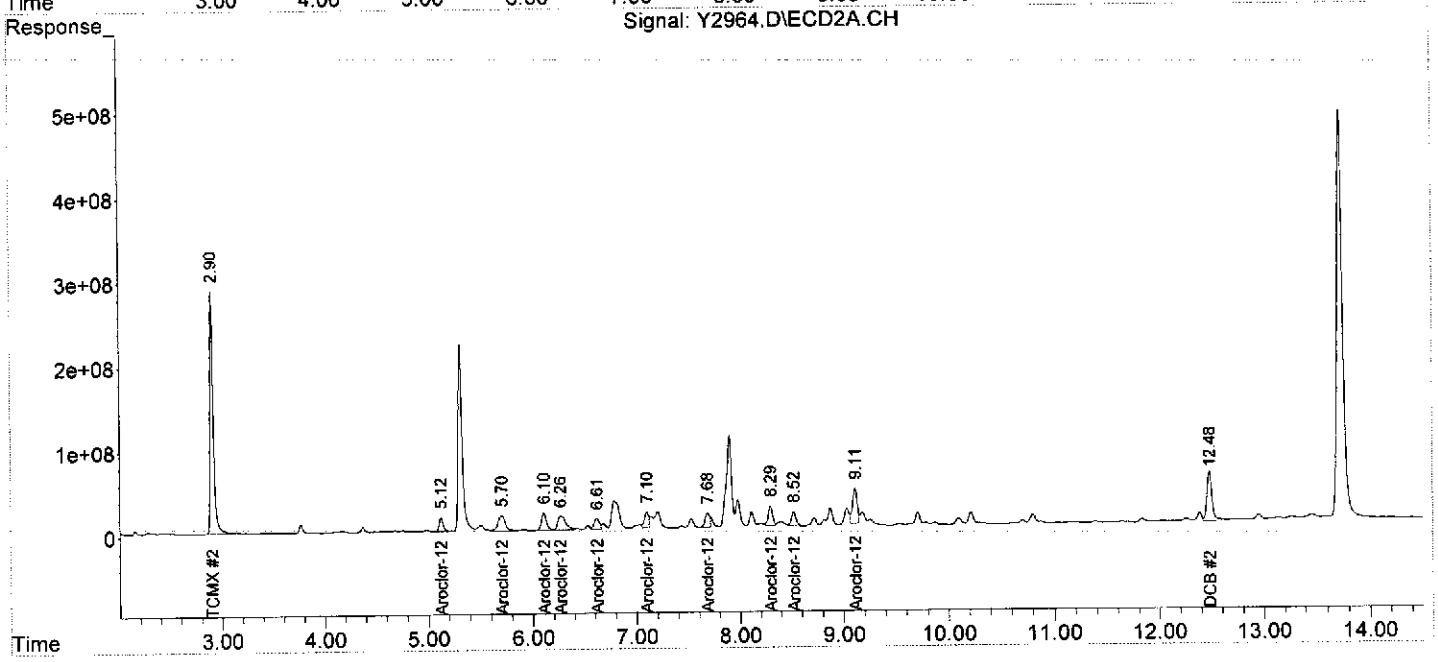
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2964.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 10:15
Operator : JS
Sample : DD-22_(0-2,10687-031,S,5.23g,24.6,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:18:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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\10-25-12\
Data File : Y2965.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 10:32
Operator : JS
Sample : DD-22_(2.0,10687-032,S,5.58g,30.8,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:22:25 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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	2.82	2.91	16940.8E6	6511.6E6	167.017	197.457
Spiked Amount 200.000			Recovery	=	83.51%	98.73%
2) S DCB	12.11	12.48	5401.0E6	2676.4E6	211.858	257.756
Spiked Amount 200.000			Recovery	=	105.93%	128.88%
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
3) L6 Aroclor-1248	4.52	5.12	358.5E6	129.9E6	92.310	102.624
4) L6 Aroclor-1248 {2}	5.05	5.70	208.9E6	221.1E6	99.581	117.441
5) L6 Aroclor-1248 {3}	5.37	6.10	481.4E6	146.4E6	174.534	110.274 #
6) L6 Aroclor-1248 {4}	6.07	6.26	696.3E6	126.9E6	134.819	103.723
7) L6 Aroclor-1248 {5}	6.34	6.61	413.2E6	95861423	118.529	142.026
Sum Aroclor-1248			2158.2E6	720.1E6	619.773	576.088
Average Aroclor-1248					123.955	115.218
8) L7 Aroclor-1254	6.44	7.11	459.0E6	149.6E6	88.947m	89.209m
9) L7 Aroclor-1254 {2}	6.89	7.68	318.2E6	109.5E6	97.274m	82.632m
0) L7 Aroclor-1254 {3}	7.06	8.29	635.6E6	139.7E6	98.627m	108.126m
1) L7 Aroclor-1254 {4}	7.50	8.52	433.8E6	89515665	67.300m	113.700m#
2) L7 Aroclor-1254 {5}	8.34	9.11	695.0E6	222.1E6	121.125m	118.305m
Sum Aroclor-1254			2541.6E6	710.4E6	473.274	511.972
Average Aroclor-1254					94.655	102.394
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2965.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 10:32
Operator : JS
Sample : DD-22_(2.0,10687-032,S,5.58g,30.8,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:22:25 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

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

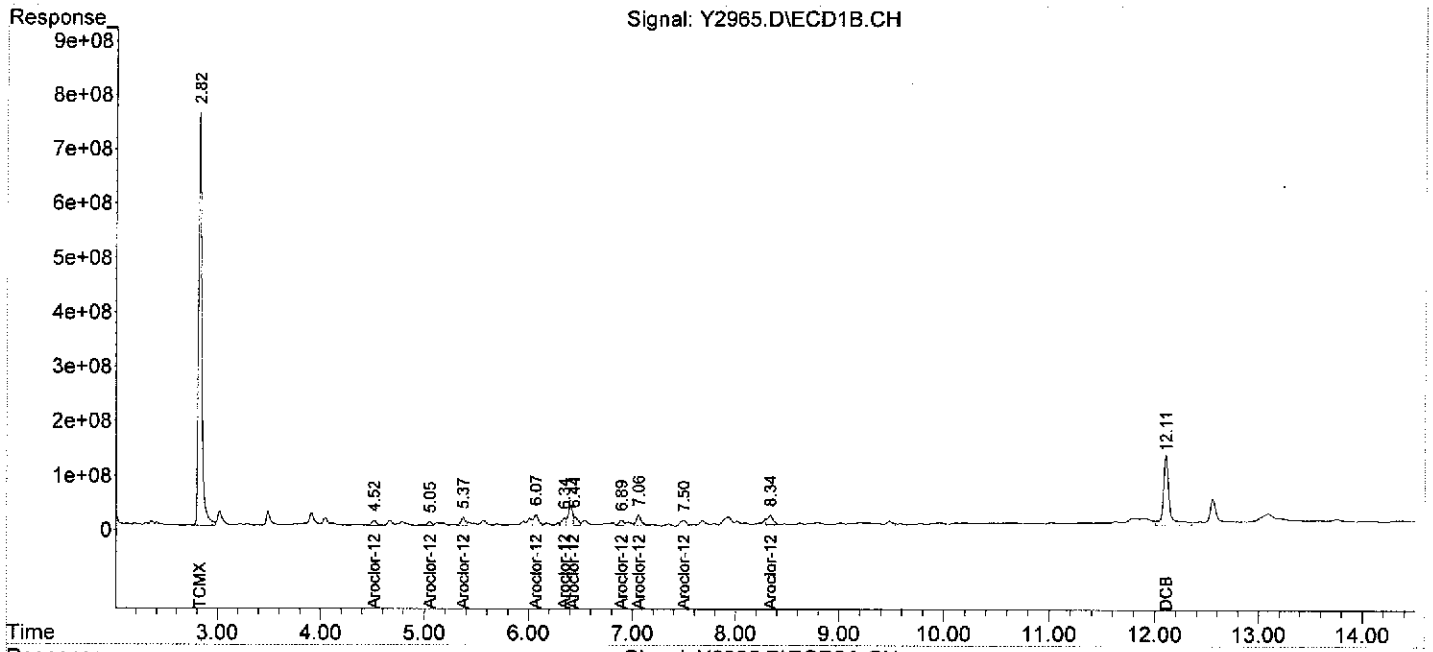
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

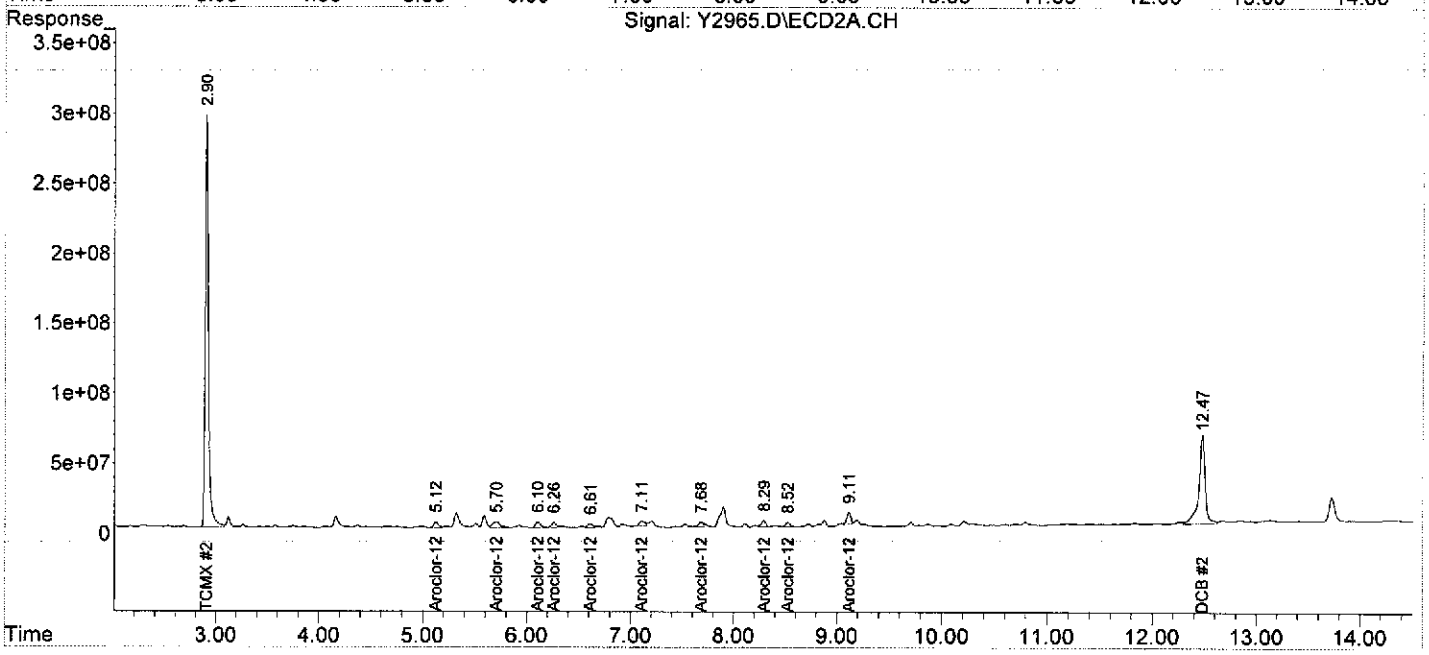
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2965.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 10:32
Operator : JS
Sample : DD-22_(2.0,10687-032,S,5.58g,30.8,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:22:25 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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\10-25-12\
Data File : Y2966.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 10:49
Operator : JS
Sample : DD-22_(4.0,10687-033,S,5.24g,29.7,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:24:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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	2.82	2.91	21657.3E6	8509.9E6	213.517	258.055
Spiked Amount 200.000			Recovery	=	106.76%	129.03%
2) S DCB	12.11	12.48	5416.9E6	2414.1E6	212.483	232.497
Spiked Amount 200.000			Recovery	=	106.24%	116.25%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
3) L6 Aroclor-1248	4.52	5.12	1098.8E6	403.3E6	282.930	318.602
4) L6 Aroclor-1248 {2}	5.05	5.70	579.2E6	666.8E6	276.112	354.210 #
5) L6 Aroclor-1248 {3}	5.37	6.10	951.3E6	438.6E6	344.922	330.299
6) L6 Aroclor-1248 {4}	6.07	6.26	1577.0E6	385.4E6	305.356	315.091
7) L6 Aroclor-1248 {5}	6.34	6.61	1061.8E6	228.8E6	304.606	338.965
Sum Aroclor-1248			5268.1E6	2122.9E6	1513.925	1657.167
verage Aroclor-1248					302.785	331.433
8) L7 Aroclor-1254	6.46	7.10	689.2E6	198.5E6	133.544	118.391m
9) L7 Aroclor-1254 {2}	6.89	7.68	602.4E6	206.9E6	184.155	156.101m
0) L7 Aroclor-1254 {3}	7.06	8.29	1182.3E6	345.8E6	183.448	267.577m#
1) L7 Aroclor-1254 {4}	7.50	8.52	766.3E6	143.1E6	118.883	181.733m#
2) L7 Aroclor-1254 {5}	8.33	9.11	989.9E6	454.0E6	172.535	241.878m#
Sum Aroclor-1254			4230.1E6	1348.3E6	792.565	965.680
verage Aroclor-1254					158.513	193.136
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
verage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
verage Aroclor-1268					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2966.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 10:49
Operator : JS
Sample : DD-22_(4.0,10687-033,S,5.24g,29.7,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:24:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

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

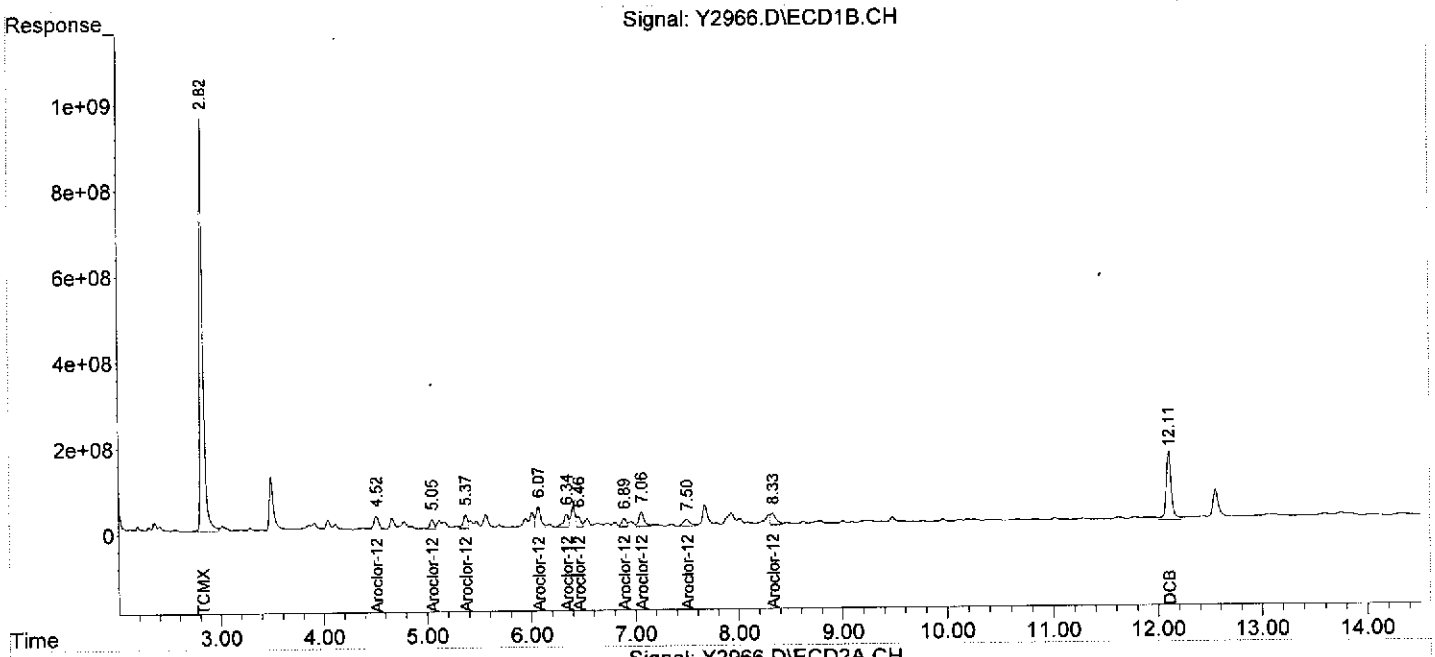
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

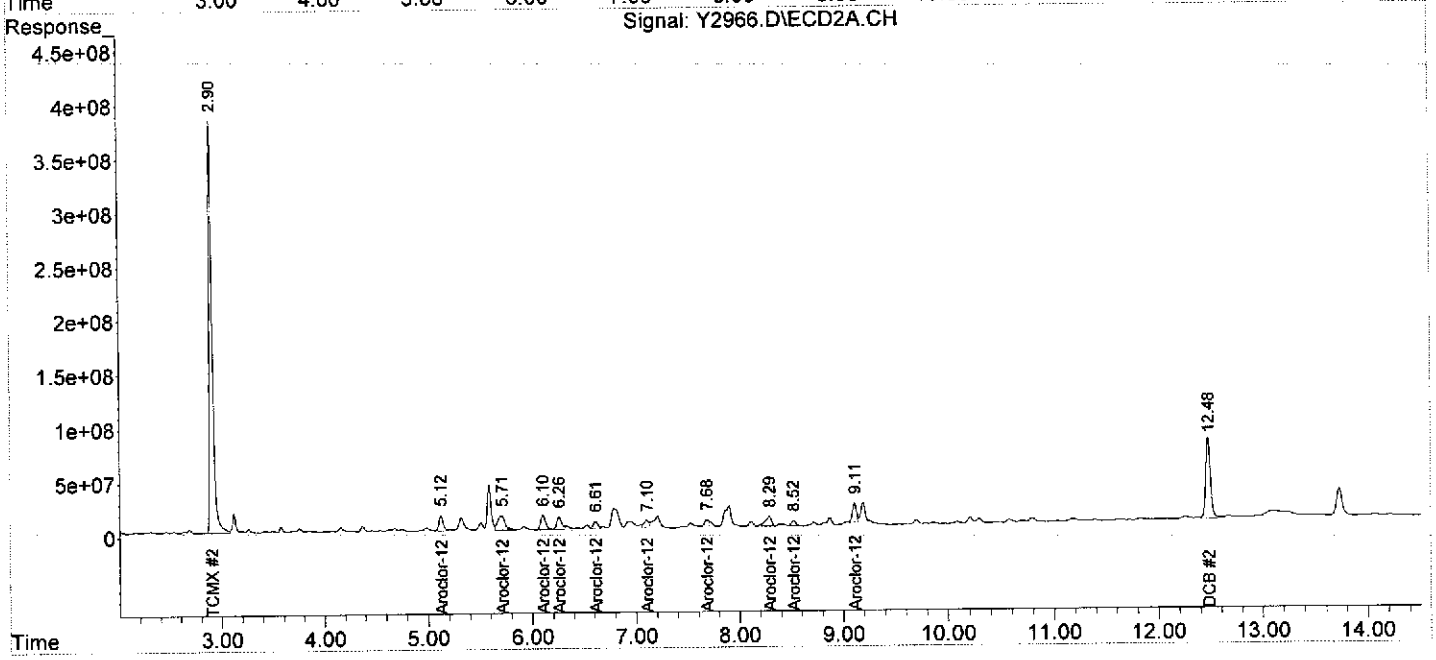
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2966.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 10:49
Operator : JS
Sample : DD-22_(4.0,10687-033,S,5.24g,29.7,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:24:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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\10-25-12\
Data File : Y2967.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 11:06
Operator : JS
Sample : DD-22_(4.5,10687-034,S,5.20g,25.4,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:25:39 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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	2.82	2.91	17628.3E6	6534.3E6	173.795	198.148
Spiked Amount 200.000			Recovery	=	86.90%	99.07%
2) S DCB	12.10	12.48	4367.3E6	1993.0E6	171.311m	191.939m
Spiked Amount 200.000			Recovery	=	85.66%	95.97%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
verage Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
verage Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
verage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
verage Aroclor-1268					0.000	0.000

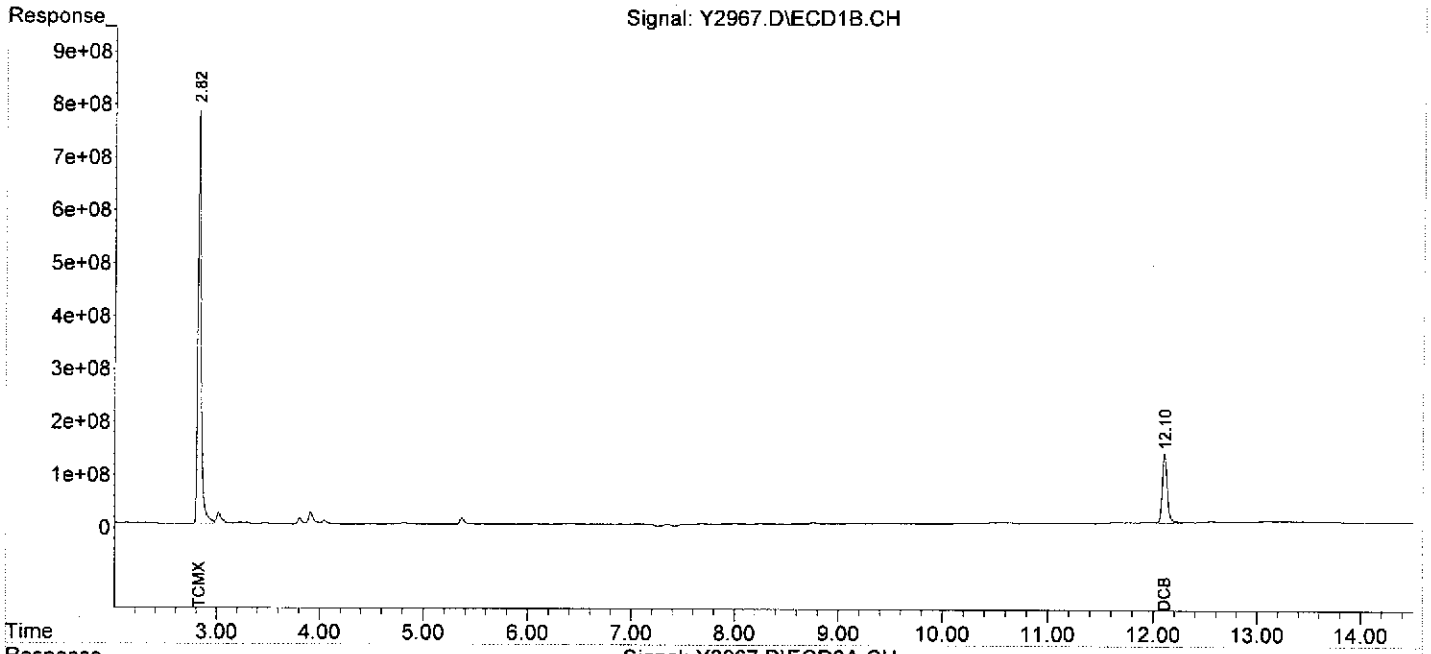
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

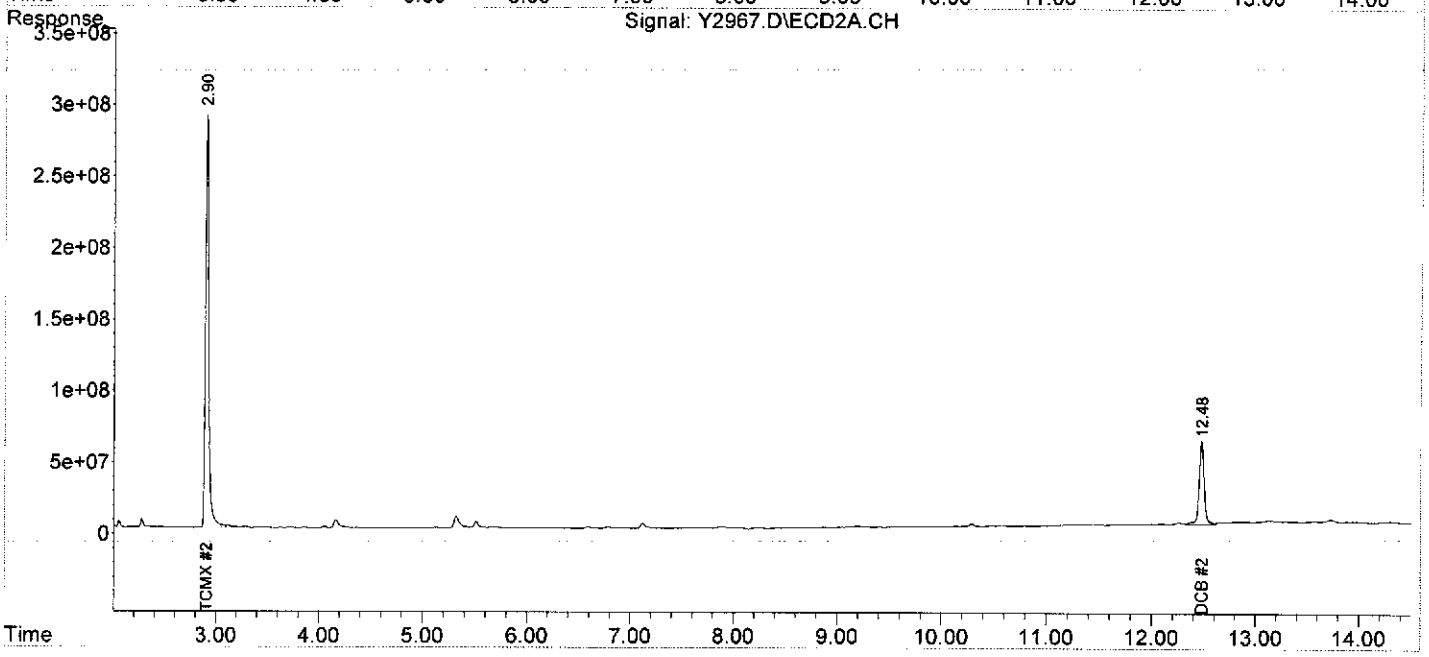
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2967.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 11:06
Operator : JS
Sample : DD-22_(4.5,10687-034,S,5.20g,25.4,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:25:39 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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\10-25-12\
Data File : Y2968.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 11:23
Operator : JS
Sample : DD-22_(5.0,10687-035,S,5.00g,19.7,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:25:59 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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	2.82	2.91	20077.1E6	6831.4E6	197.937	207.156
Spiked Amount 200.000			Recovery	=	98.97%	103.58%
2) S DCB	12.11	12.48	4552.9E6	2060.4E6	178.592	198.431
Spiked Amount 200.000			Recovery	=	89.30%	99.22%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
verage Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
verage Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
verage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
verage Aroclor-1268					0.000	0.000

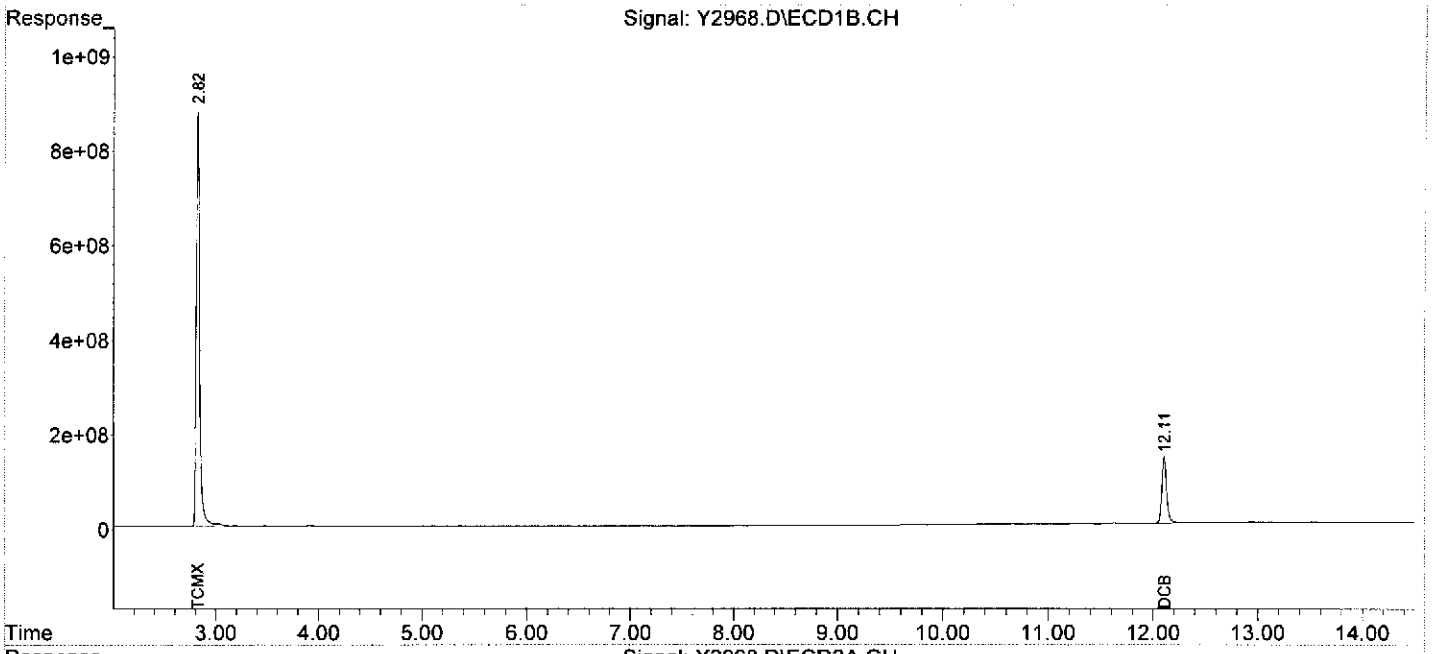
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

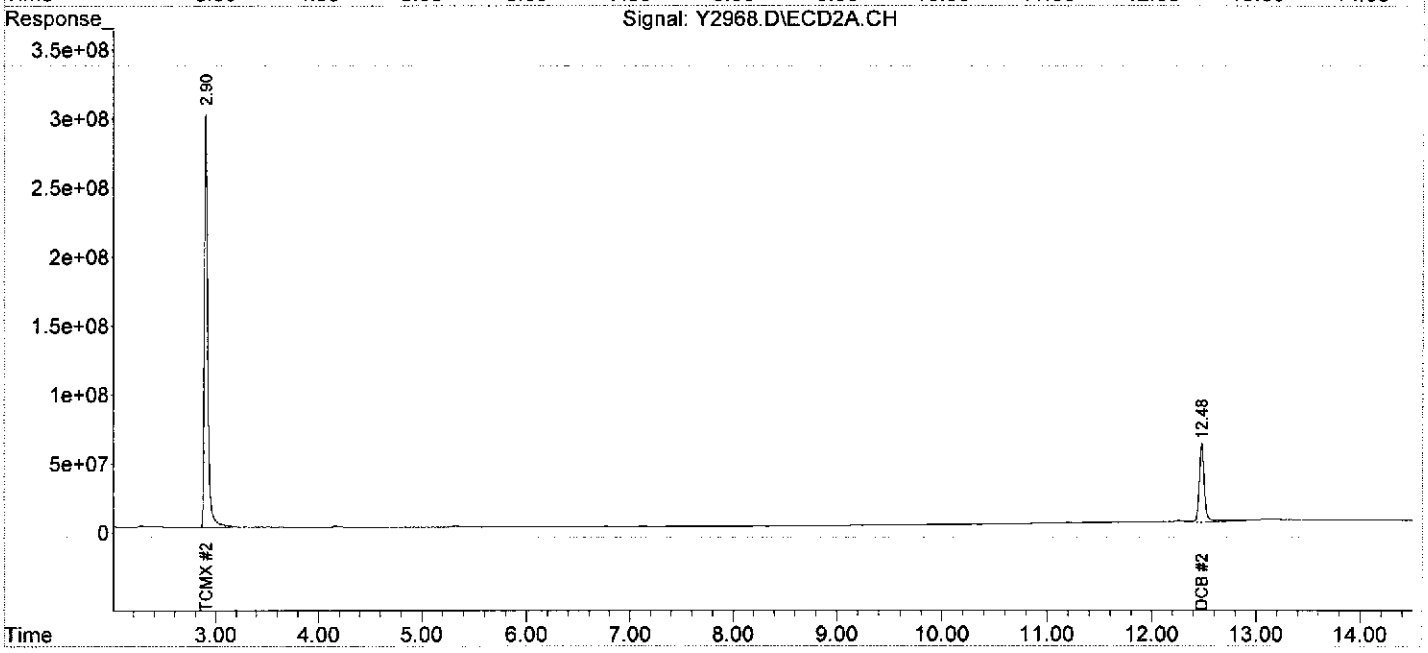
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2968.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 11:23
Operator : JS
Sample : DD-22_(5.0,10687-035,S,5.00g,19.7,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:25:59 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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\10-25-12\
Data File : Y2969.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 11:41
Operator : JS
Sample : DD-21_(0-2,10687-036,S,5.14g,15.3,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:28:22 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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	2.82	2.91	18060.5E6	6301.1E6	178.056	191.074
Spiked Amount 200.000			Recovery	=	89.03%	95.54%
2) S DCB	12.11	12.48	4770.3E6	1854.2E6	187.120	178.572
Spiked Amount 200.000			Recovery	=	93.56%	89.29%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
3) L6 Aroclor-1248	4.52	5.12	360.0E6	103.0E6	92.693	81.380
4) L6 Aroclor-1248 {2}	5.05	5.70	337.1E6	320.6E6	160.726	170.293
5) L6 Aroclor-1248 {3}	5.37	6.10	542.2E6	243.9E6	196.608	183.681
6) L6 Aroclor-1248 {4}	6.07	6.26	918.5E6	159.0E6	177.849	130.006 #
7) L6 Aroclor-1248 {5}	6.35	6.61	517.8E6	92357583	148.543	136.835
Sum Aroclor-1248			2675.7E6	918.9E6	776.419	702.196
verage Aroclor-1248					155.284	140.439
8) L7 Aroclor-1254	6.44	7.10	534.9E6	221.2E6	103.649m	131.964 #
9) L7 Aroclor-1254 {2}	6.91	7.68	503.0E6	229.0E6	153.769m	172.785
0) L7 Aroclor-1254 {3}	7.06	8.29	1208.8E6	249.9E6	187.570m	193.392
1) L7 Aroclor-1254 {4}	7.50	8.52	735.3E6	128.3E6	114.076	162.992 #
2) L7 Aroclor-1254 {5}	8.34	9.11	1521.9E6	311.5E6	265.253	165.965 #
Sum Aroclor-1254			4504.0E6	1140.0E6	824.317	827.099
verage Aroclor-1254					164.863	165.420
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
verage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
verage Aroclor-1268					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2969.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 11:41
Operator : JS
Sample : DD-21_(0-2,10687-036,S,5.14g,15.3,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:28:22 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

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

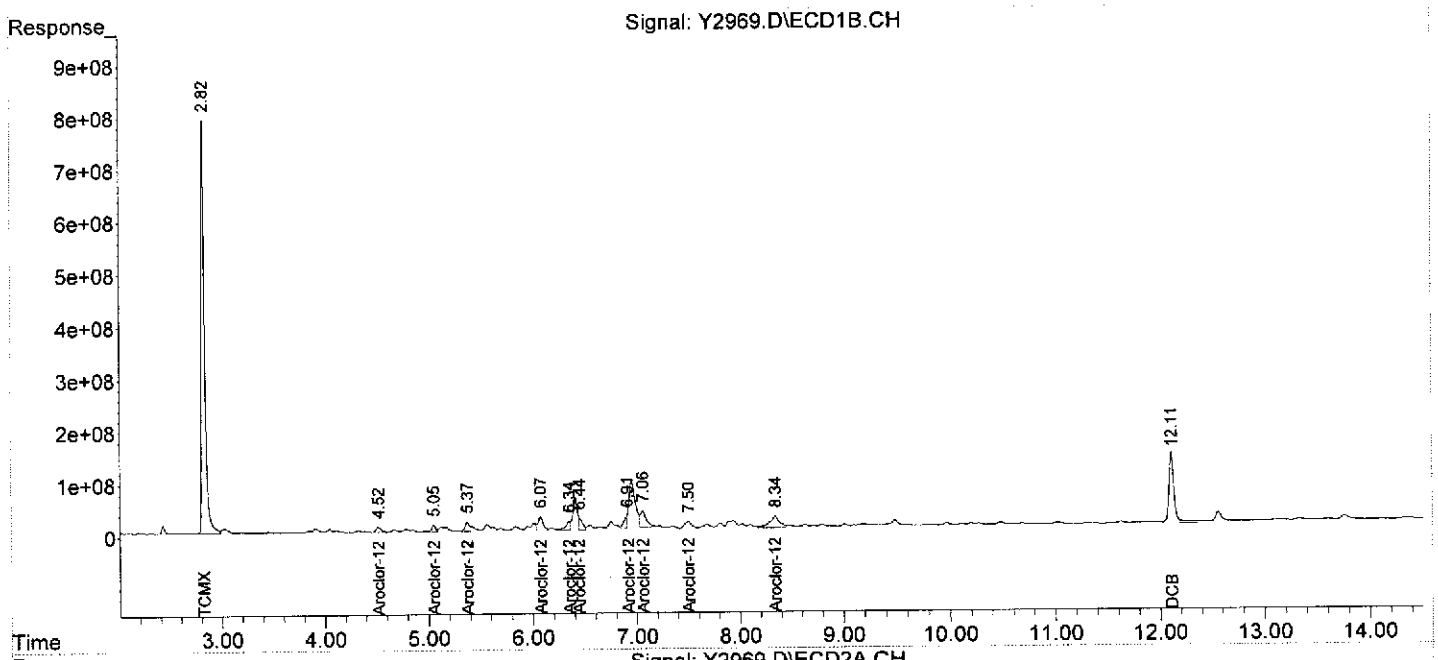
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

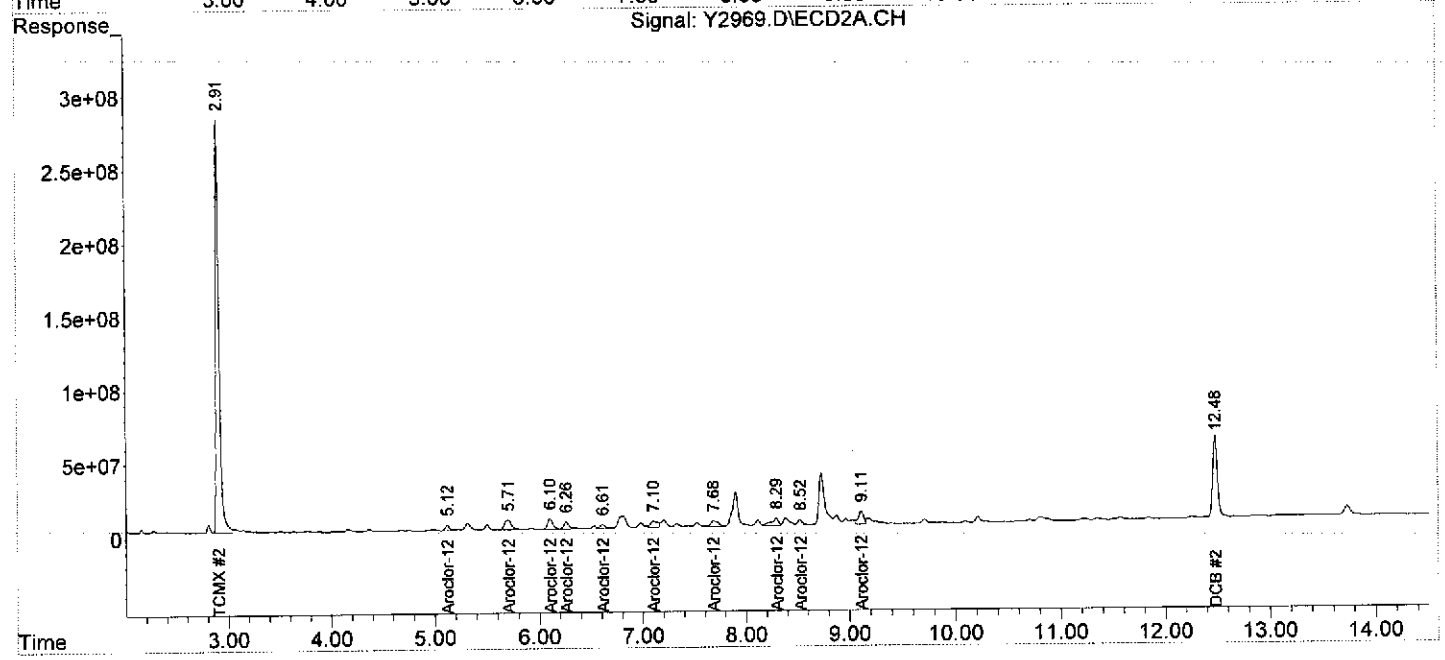
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2969.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 11:41
Operator : JS
Sample : DD-21_(0-2,10687-036,S,5.14g,15.3,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:28:22 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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\10-25-12\
Data File : Y2970.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 11:58
Operator : JS
Sample : DD-21_(2.0,10687-037,S,5.21g,29.5,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:31:03 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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	2.82	2.91	19294.0E6	6663.1E6	190.217	202.053
Spiked Amount 200.000			Recovery	=	95.11%	101.03%
2) S DCB	12.10	12.48	4759.4E6	2413.1E6	186.694	232.397
Spiked Amount 200.000			Recovery	=	93.35%	116.20%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
3) L6 Aroclor-1248	4.51	5.13	24863416	9581172	6.402m	7.570
4) L6 Aroclor-1248 {2}	5.05	5.68	20285772	22849505	9.671	12.138m#
5) L6 Aroclor-1248 {3}	5.37	6.10	38609875	13791788	13.999m	10.385 #
6) L6 Aroclor-1248 {4}	6.07	6.26	42156962	11217113	8.163m	9.172
7) L6 Aroclor-1248 {5}	6.35	6.62	14481295	5633796	4.154m	8.347 #
Sum Aroclor-1248			140.4E6	63073373	42.389	47.611
verage Aroclor-1248					8.478	9.522
Sum Aroclor-1254			0	0	N.D.	N.D.
verage Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
verage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
verage Aroclor-1268					0.000	0.000

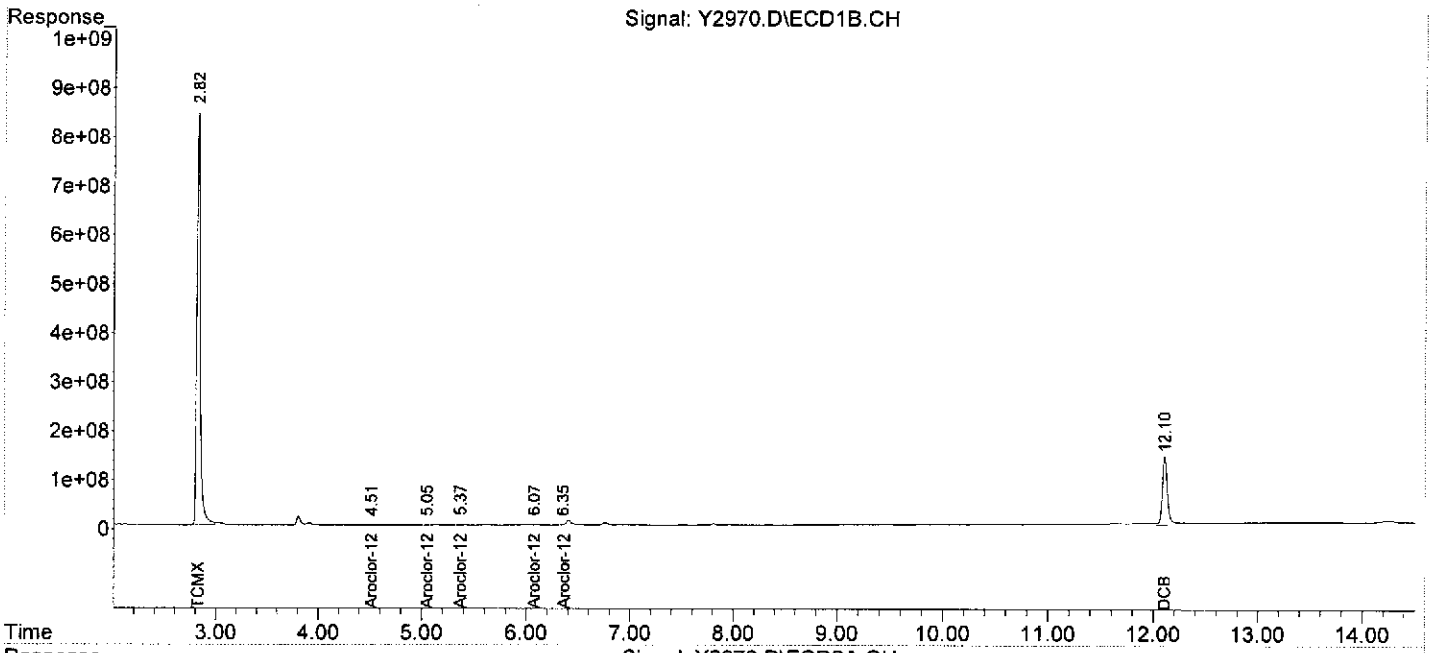
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

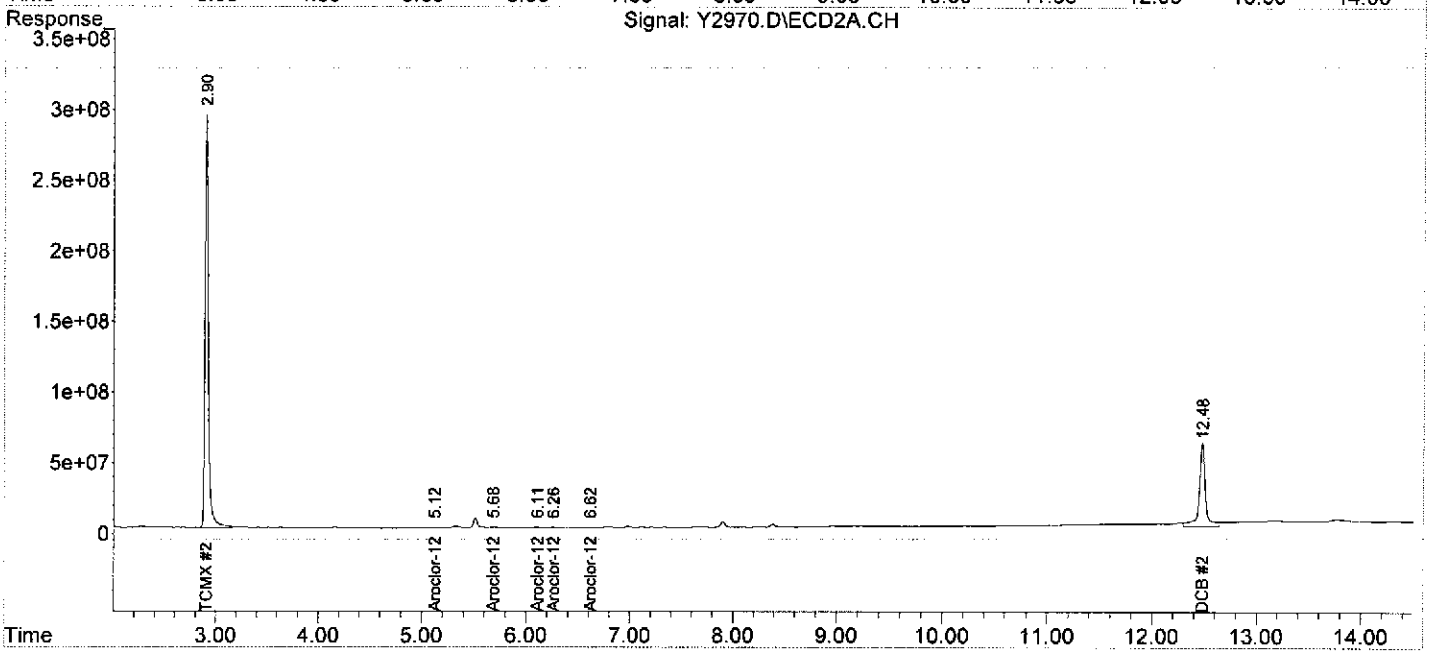
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2970.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 11:58
Operator : JS
Sample : DD-21_(2.0,10687-037,S,5.21g,29.5,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:31:03 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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\10-25-12\
Data File : Y2971.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 12:15
Operator : JS
Sample : DD-21_(4.0,10687-038,S,5.55g,72.8,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:32:11 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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	2.82	2.90	41906.8E6	15203.9E6	413.153	461.045
Spiked Amount 200.000			Recovery	=	206.58%	230.52%
2) S DCB	12.11	12.48	10420.2E6	4461.9E6	408.742	429.710
Spiked Amount 200.000			Recovery	=	204.37%	214.85%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
3) L6 Aroclor-1248	4.51	5.12	64745739	23443417	16.672m	18.522m
4) L6 Aroclor-1248 {2}	5.05	5.70	27771049	34572887	13.239m	18.365m#
5) L6 Aroclor-1248 {3}	5.37	6.10	53872898	35107276	19.534m	26.436m#
6) L6 Aroclor-1248 {4}	6.07	6.26	68772065	24181011	13.316m	19.772 #
7) L6 Aroclor-1248 {5}	6.36	6.61	55327655	18799921	15.871m	27.854m#
Sum Aroclor-1248			270.5E6	136.1E6	78.632	110.948
verage Aroclor-1248					15.726	22.190
Sum Aroclor-1254			0	0	N.D.	N.D.
verage Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
verage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
verage Aroclor-1268					0.000	0.000

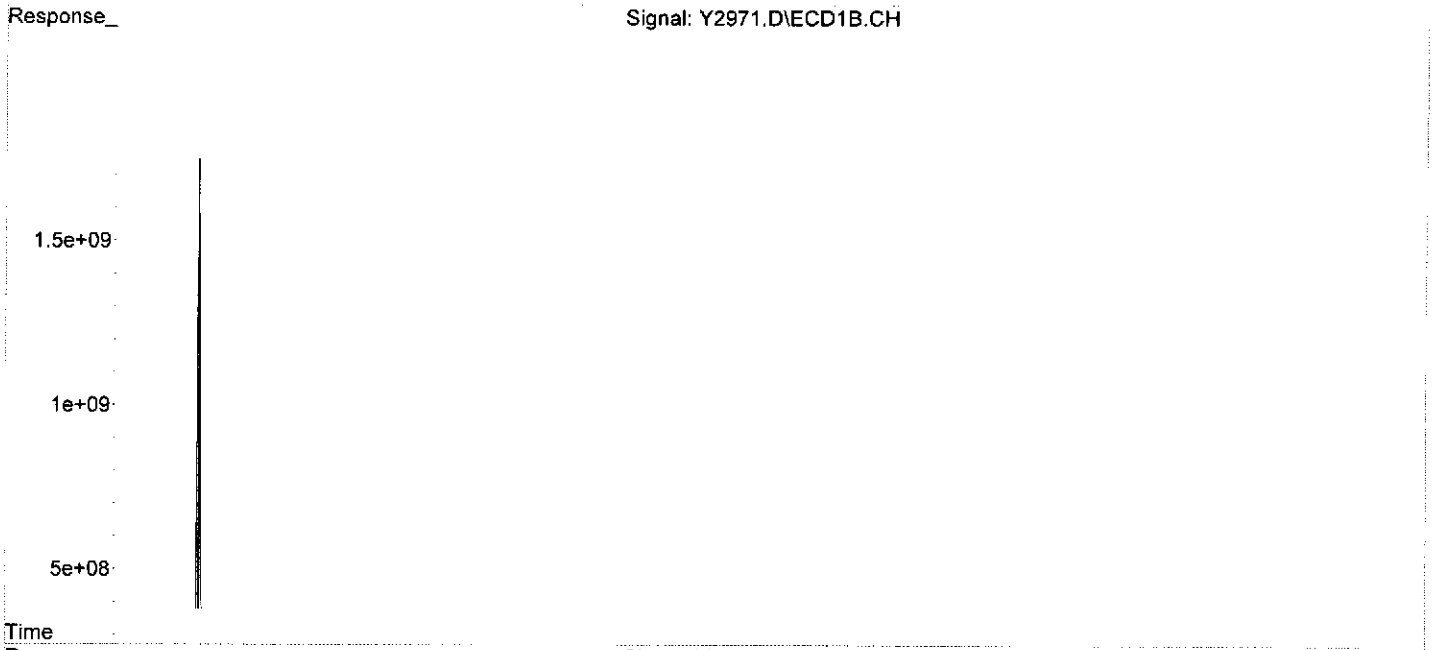
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

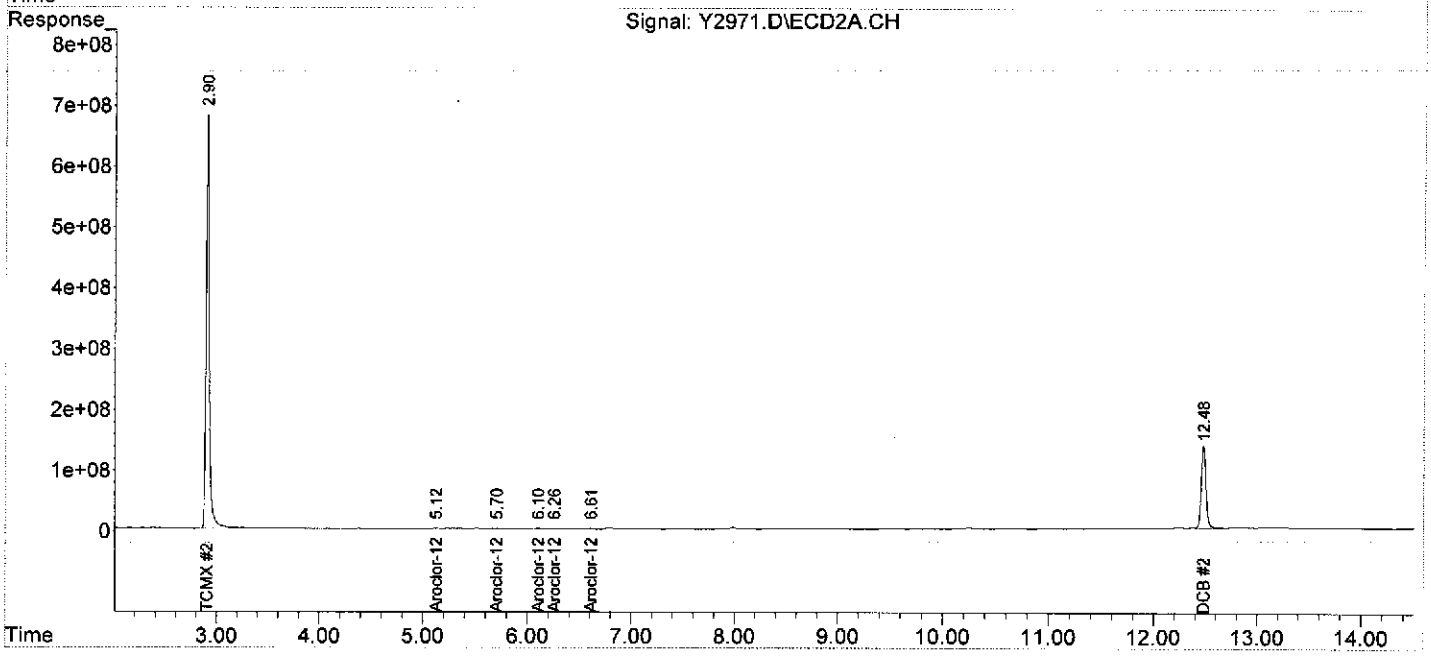
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2971.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 12:15
Operator : JS
Sample : DD-21_(4.0,10687-038,S,5.55g,72.8,10/24/12,4
Misc : 121024-04,10/22/12,10/22/12,1
ALS Vial : 51 Sample Multiplier: 1

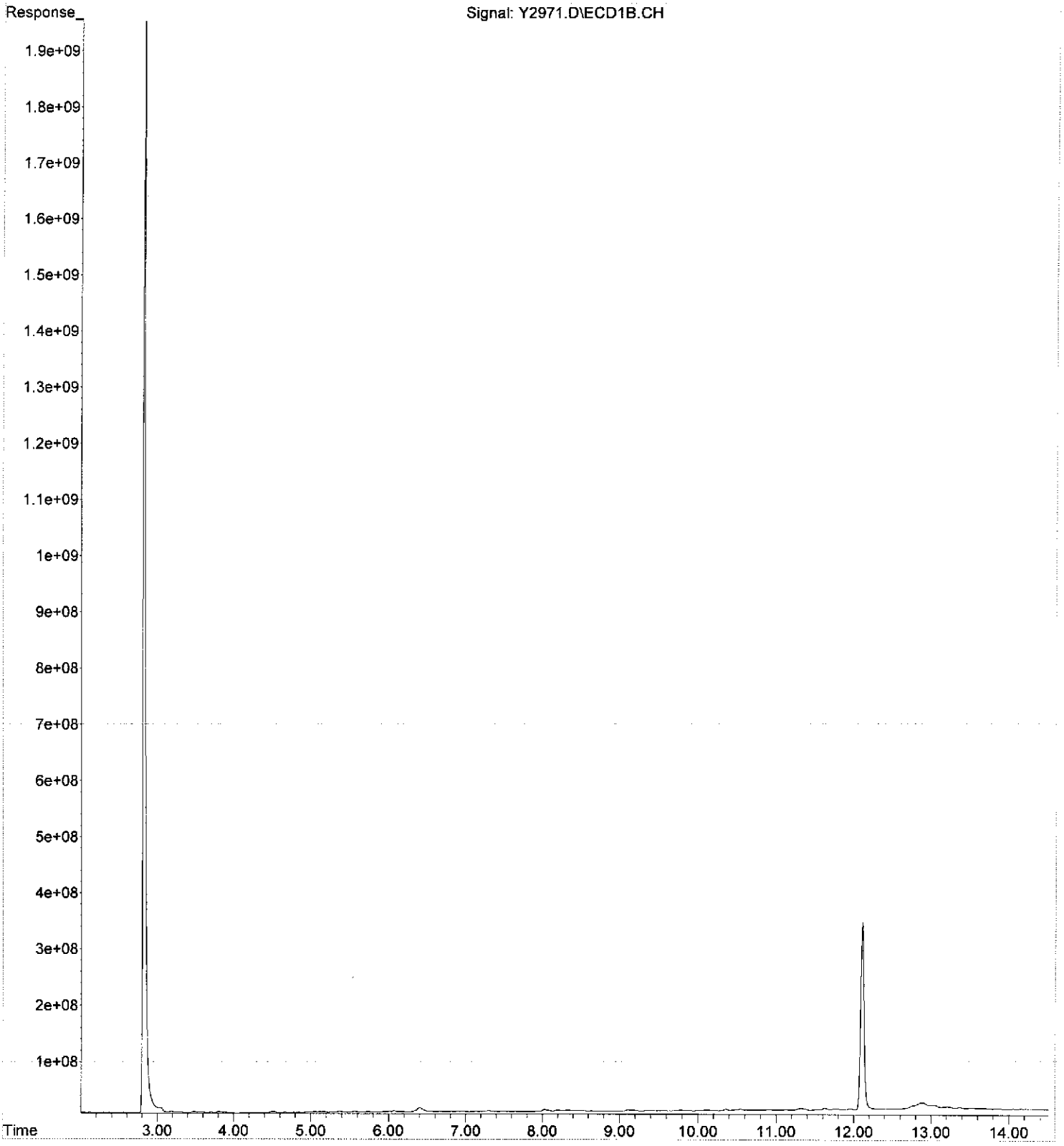
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 11:32:11 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





File :C:\MSDChem\1\DATA\10-25-12\Y2971.D
Operator : JS
Acquired : 26 Oct 2012 12:15 using AcqMethod YPCB1024.M
Instrument : GC_Y
Sample Name: DD-21_(4.0,10687-038,S,5.55g,72.8,10/24/12,4
Misc Info : 121024-04,10/22/12,10/22/12,1
Vial Number: 51



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : Y3000.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 1:56
Operator : JS
Sample : DD-21_(5.0,10687-039,S,5.47g,20.1,10/26/12,4
Misc : 121026-02,10/22/12,10/22/12,1
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 10:42:06 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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	2.83	2.91	21287.5E6	6996.9E6	209.870	212.173
Spiked Amount 200.000			Recovery	=	104.94%	106.09%
2) S DCB	12.11	12.48	4096.5E6	1742.9E6	160.688	167.848
Spiked Amount 200.000			Recovery	=	80.34%	83.92%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
verage Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
verage Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
verage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
verage Aroclor-1268					0.000	0.000

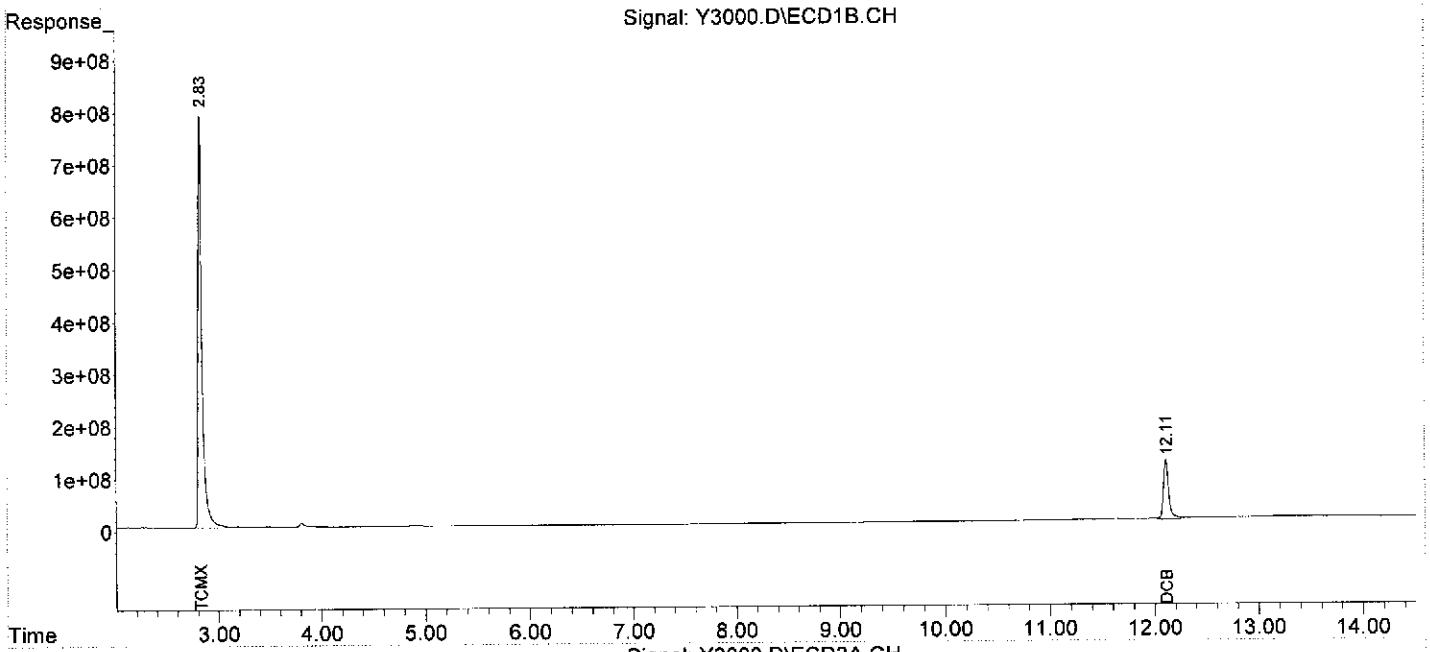
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

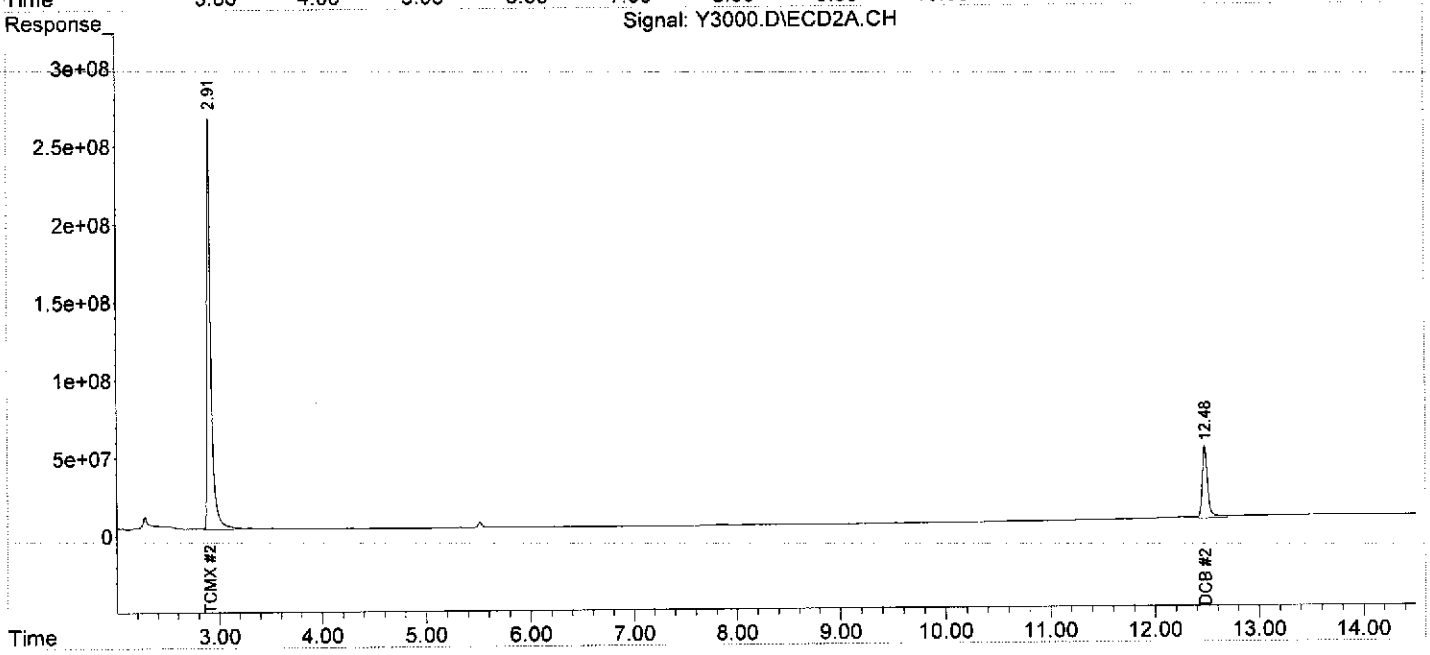
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : Y3000.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Oct 2012 1:56
Operator : JS
Sample : DD-21_(5.0,10687-039,S,5.47g,20.1,10/26/12,4
Misc : 121026-02,10/22/12,10/22/12,1
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 10:42:06 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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\11-07-12\
Data File : Y3089.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 Nov 2012 5:07
Operator : JS
Sample : FB-56,10687-040,A,1000ml,100,10/25/12,1
Misc : 121025-05,10/22/12,10/22/12,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 13 13:51:48 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPC01107.M
Quant Title :
QLast Update : Mon Nov 12 09:19:18 2012
Response via : Initial 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	2.82	2.90	18596.5E6	3655.8E6	118.365	110.537
Spiked Amount 200.000			Recovery	=	59.18%	55.27%
2) S DCB	12.11	12.48	4788.2E6	1491.9E6	115.359	136.360
Spiked Amount 200.000			Recovery	=	57.68%	68.18%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
verage Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
verage Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
verage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
verage Aroclor-1268					0.000	0.000

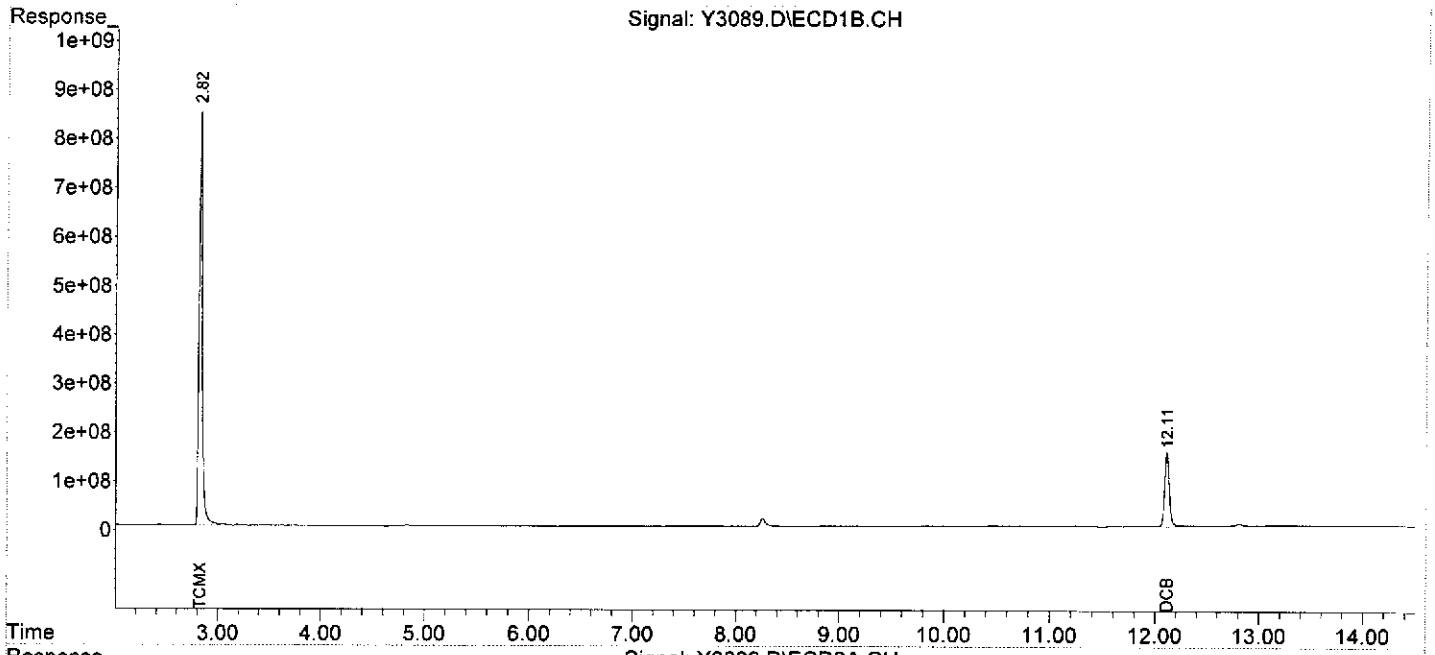
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

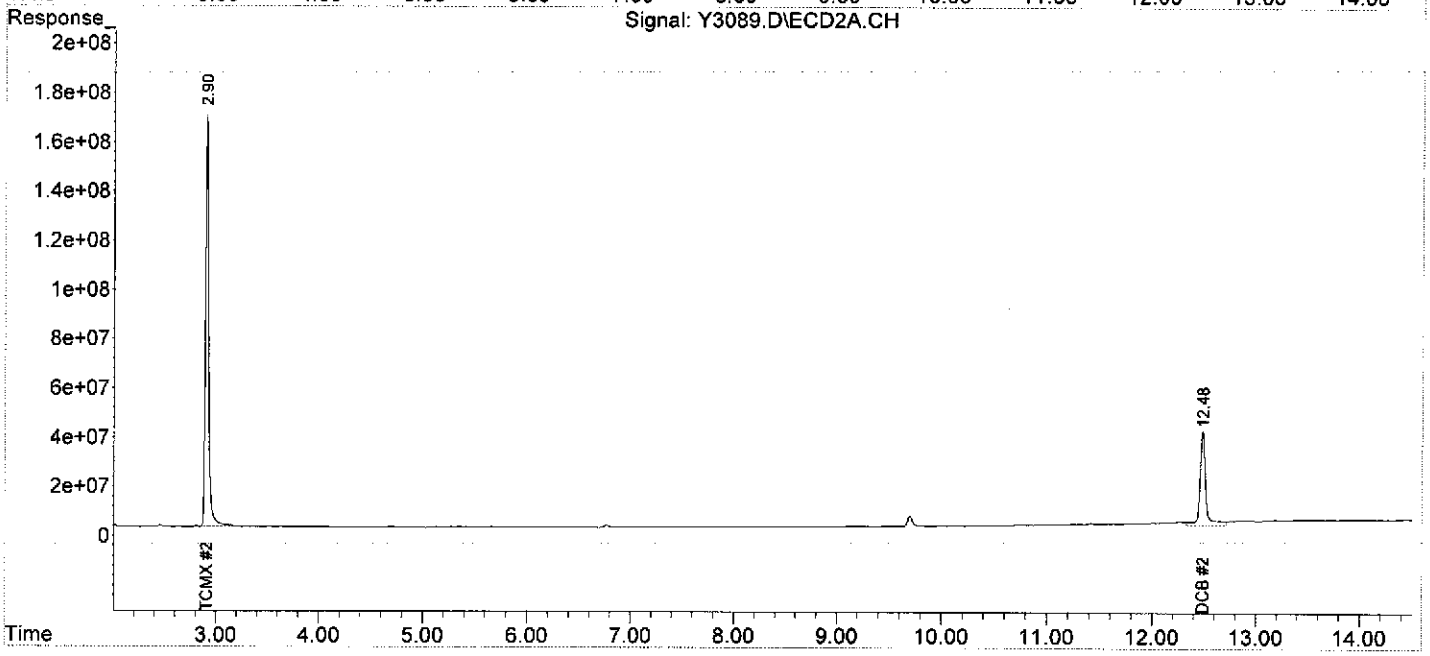
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\11-07-12\
Data File : Y3089.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 Nov 2012 5:07
Operator : JS
Sample : FB-56,10687-040,A,1000ml,100,10/25/12,1
Misc : 121025-05,10/22/12,10/22/12,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 13 13:51:48 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPC01107.M
Quant Title :
QLast Update : Mon Nov 12 09:19:18 2012
Response via : Initial 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: BLKS121024-04
Client ID: PCB
Date Received: NA
Date Extracted: 10/24/2012
Date Analyzed: 10/26/2012
Data file: Y2951.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\10-25-12\
Data File : Y2951.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 6:31
Operator : JS
Sample : PCB,BLKS121024-04,S,5.00g,0,10/24/12,4
Misc : NA,NA,NA,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:57:08 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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	2.82	2.90	19997.0E6	6526.8E6	197.148	197.920
Spiked Amount 200.000			Recovery	=	98.57%	98.96%
2) S DCB	12.11	12.48	4702.8E6	2137.2E6	184.471	205.827
Spiked Amount 200.000			Recovery	=	92.24%	102.91%
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

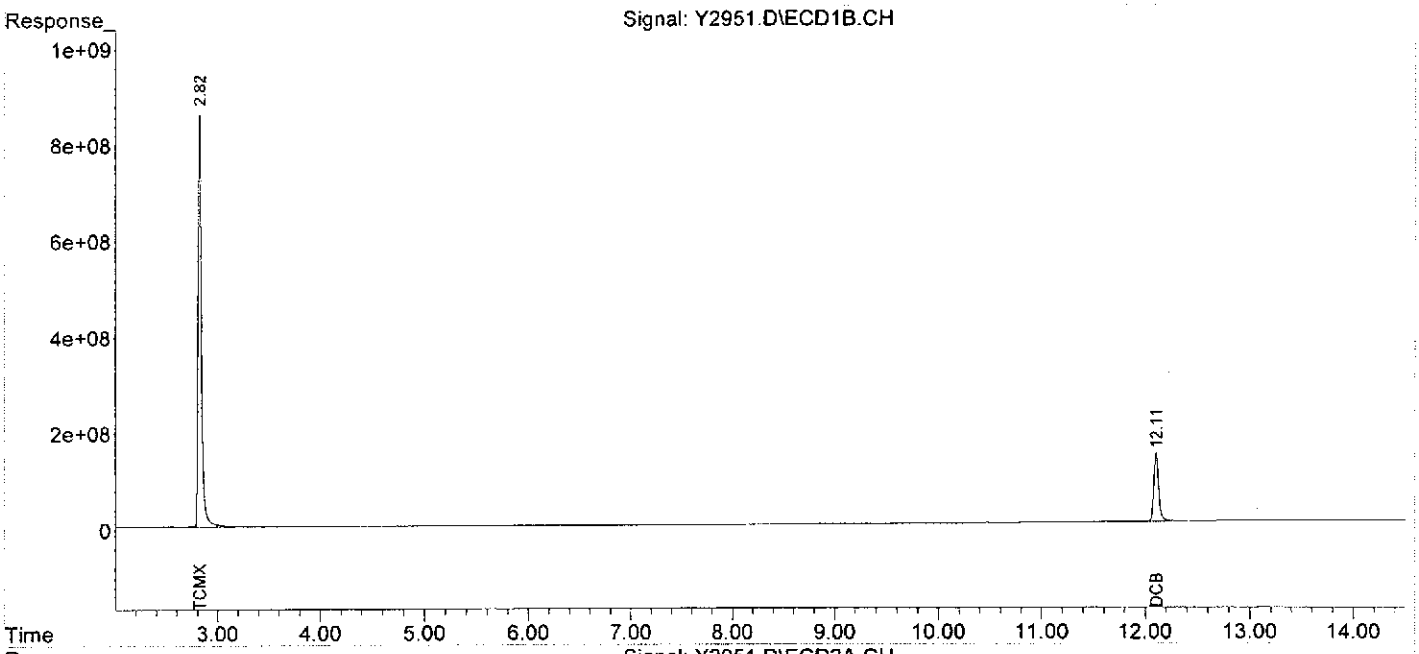
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

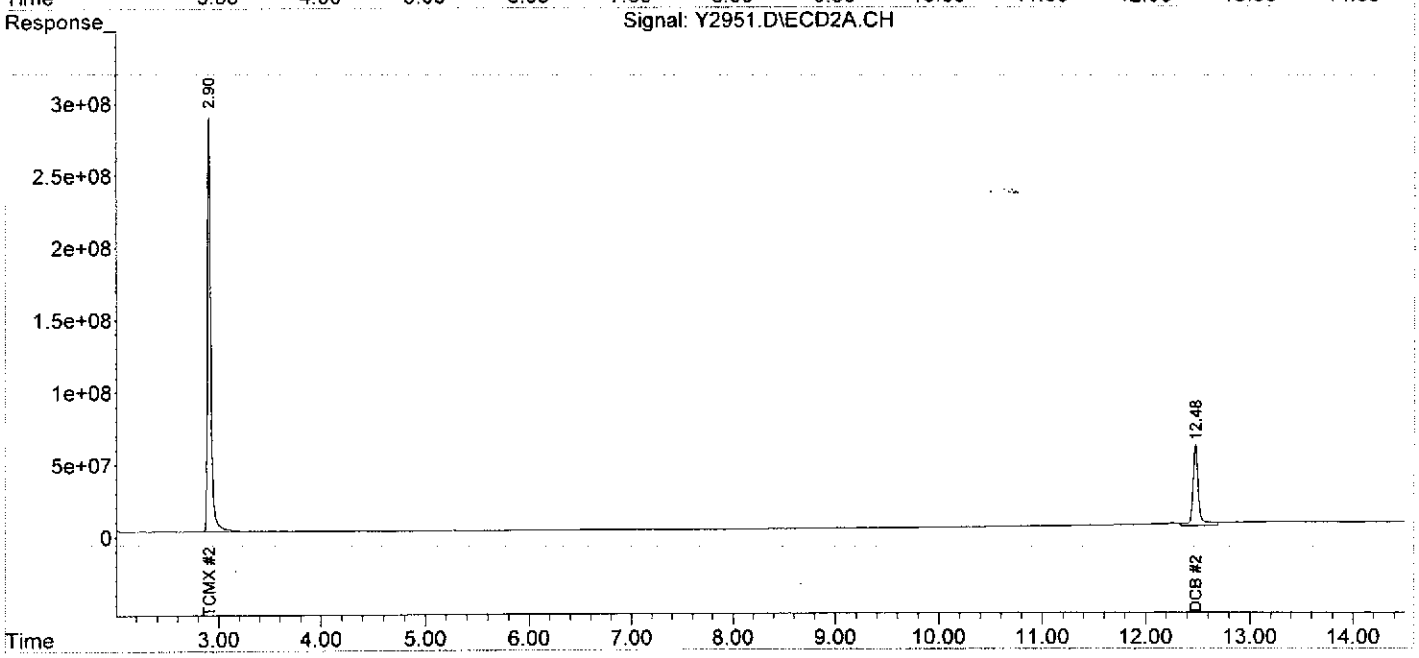
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2951.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 6:31
Operator : JS
Sample : PCB,BLKS121024-04,S,5.00g,0,10/24/12,4
Misc : NA,NA,NA,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:57:08 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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: BLKS121026-02
Client ID: PCB
Date Received: NA
Date Extracted: 10/26/2012
Date Analyzed: 10/26/2012
Data file: Y2981.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
PCBs	ND		0.040	0.016

E12-10687 0209

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : Y2981.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 20:30
Operator : JS
Sample : PCB,BLKS121026-02,S,5.00g,0,10/26/12,4
Misc : NA,NA,NA,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 08:54:33 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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	2.83	2.91	20647.6E6	6678.0E6	203.562	202.504
Spiked Amount 200.000			Recovery	=	101.78%	101.25%
2) S DCB	12.11	12.48	3373.8E6	1714.2E6	132.340	165.093
Spiked Amount 200.000			Recovery	=	66.17%	82.55%
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

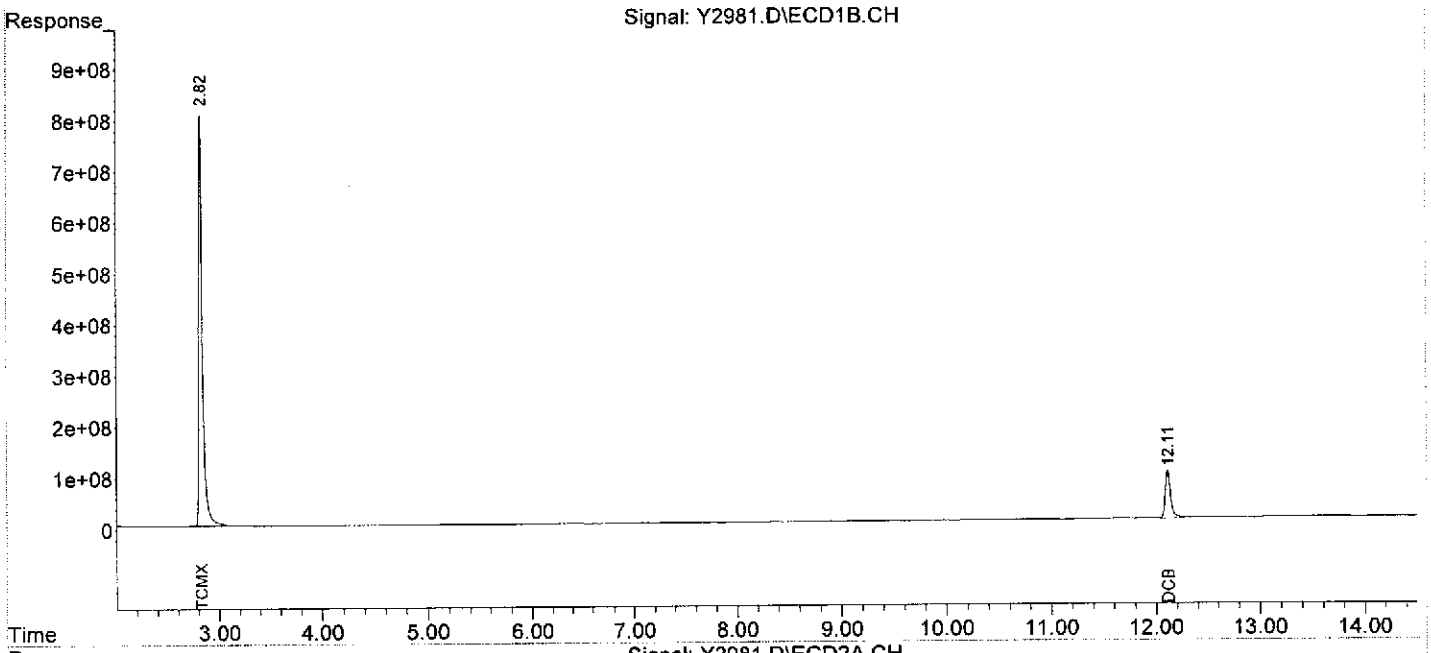
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

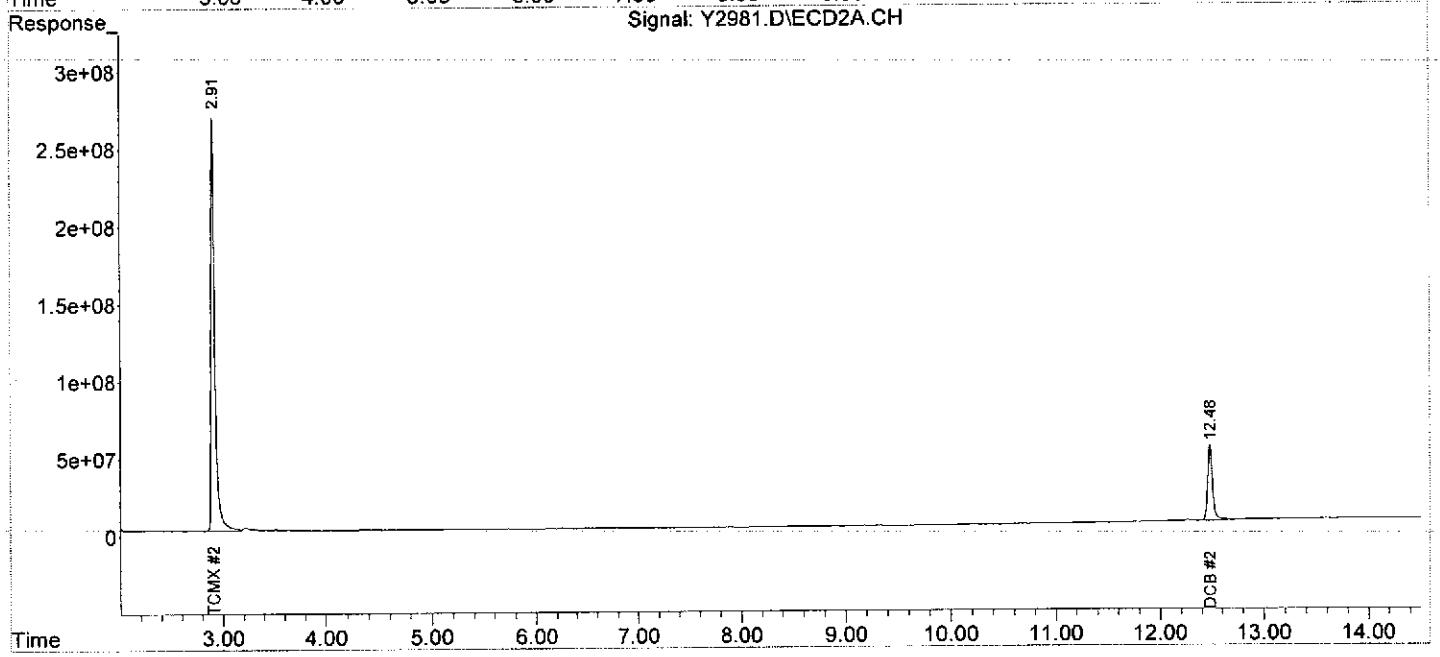
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : Y2981.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 20:30
Operator : JS
Sample : PCB,BLKS121026-02,S,5.00g,0,10/26/12,4
Misc : NA,NA,NA,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 08:54:33 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial 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: BLKS121023-08
Client ID: PCB
Date Received: NA
Date Extracted: 10/23/2012
Date Analyzed: 10/26/2012
Data file: R4756.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
PCBs	ND		0.040	0.016

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4756.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 21:23
Operator : JS
Sample : PCB,BLKS121023-08,S,5.00g,0,10/23/12,4
Misc : NA,NA,NA,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 14 17:58:00 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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	3.48	3.38	31975.3E6	33981.5E6	200.737	199.969
Spiked Amount 200.000			Recovery	=	100.37%	99.98%
2) S DCB	13.10	13.14	11754.0E6	7452.1E6	257.702	215.820
Spiked Amount 200.000			Recovery	=	128.85%	107.91%
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

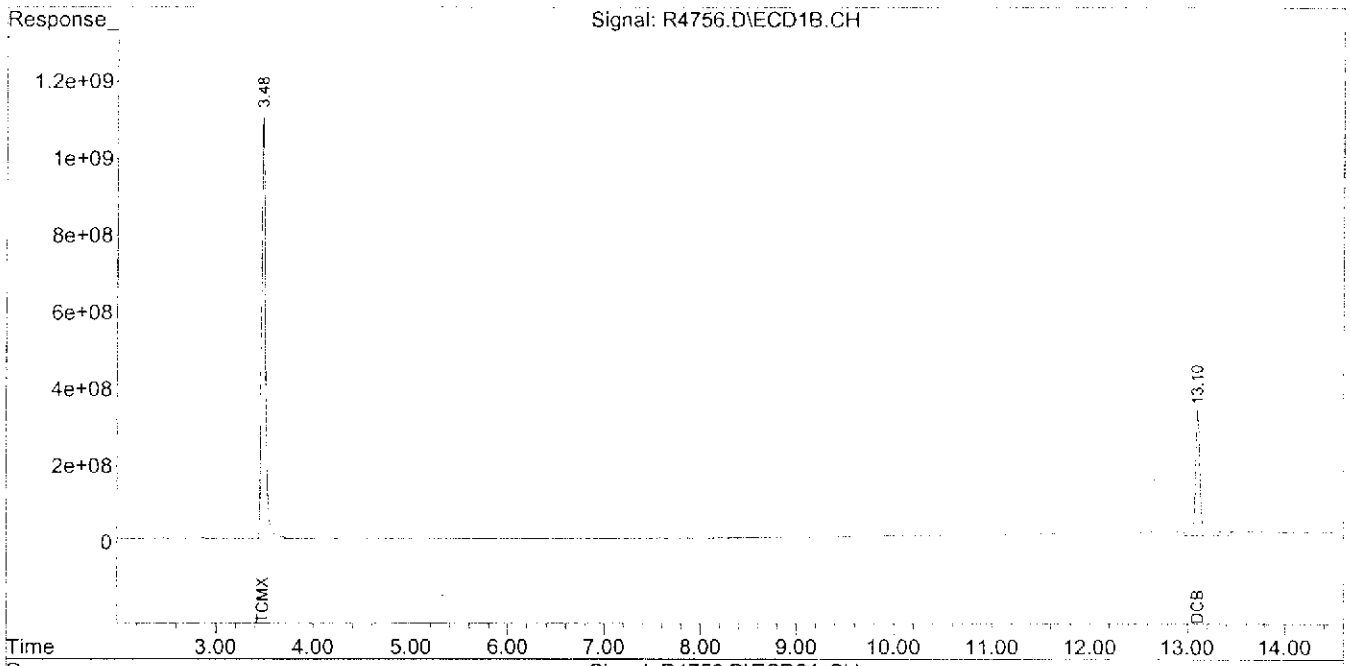
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

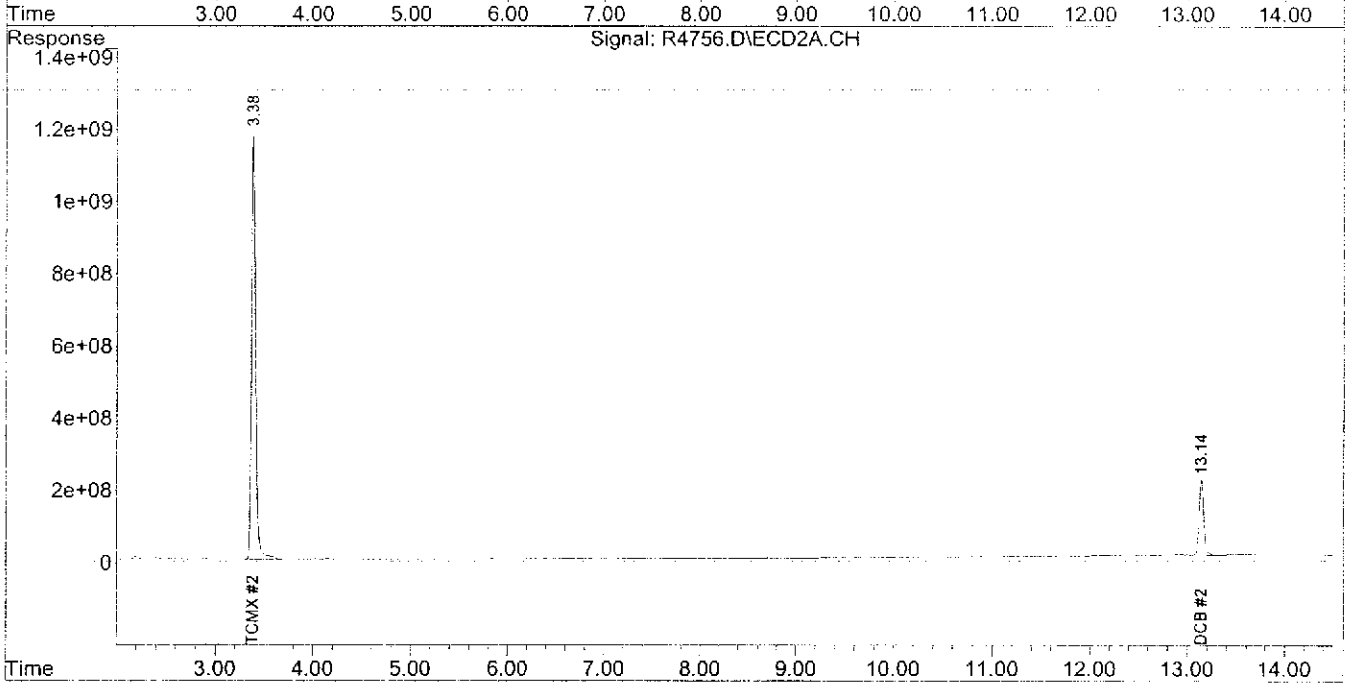
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-26-12\
Data File : R4756.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Oct 2012 21:23
Operator : JS
Sample : PCB,BLKS121023-08,S,5.00g,0,10/23/12,4
Misc : NA,NA,NA,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 14 17:58:00 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Fri Oct 26 09:00:52 2012
Response via : Initial 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: BLKA121025-05
Client ID: PCB
Date Received: NA
Date Extracted: 10/25/2012
Date Analyzed: 11/08/2012
Data file: Y3072.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
PCBs	ND		0.050	0.020

E12-10687 0215

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\11-07-12\
Data File : Y3072.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 Nov 2012 00:16
Operator : JS
Sample : PCB,BLKA121025-05,A,1000ml,100,10/25/12,1
Misc : NA,NA,NA,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 13 12:38:45 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPC01107.M
Quant Title :
QLast Update : Mon Nov 12 09:19:18 2012
Response via : Initial 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	2.82	2.91	16777.8E6	3152.9E6	106.789	95.332
Spiked Amount 200.000			Recovery	=	53.39%	47.67%
2) S DCB	12.11	12.48	4133.9E6	1272.4E6	99.596	116.297
Spiked Amount 200.000			Recovery	=	49.80%	58.15%
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

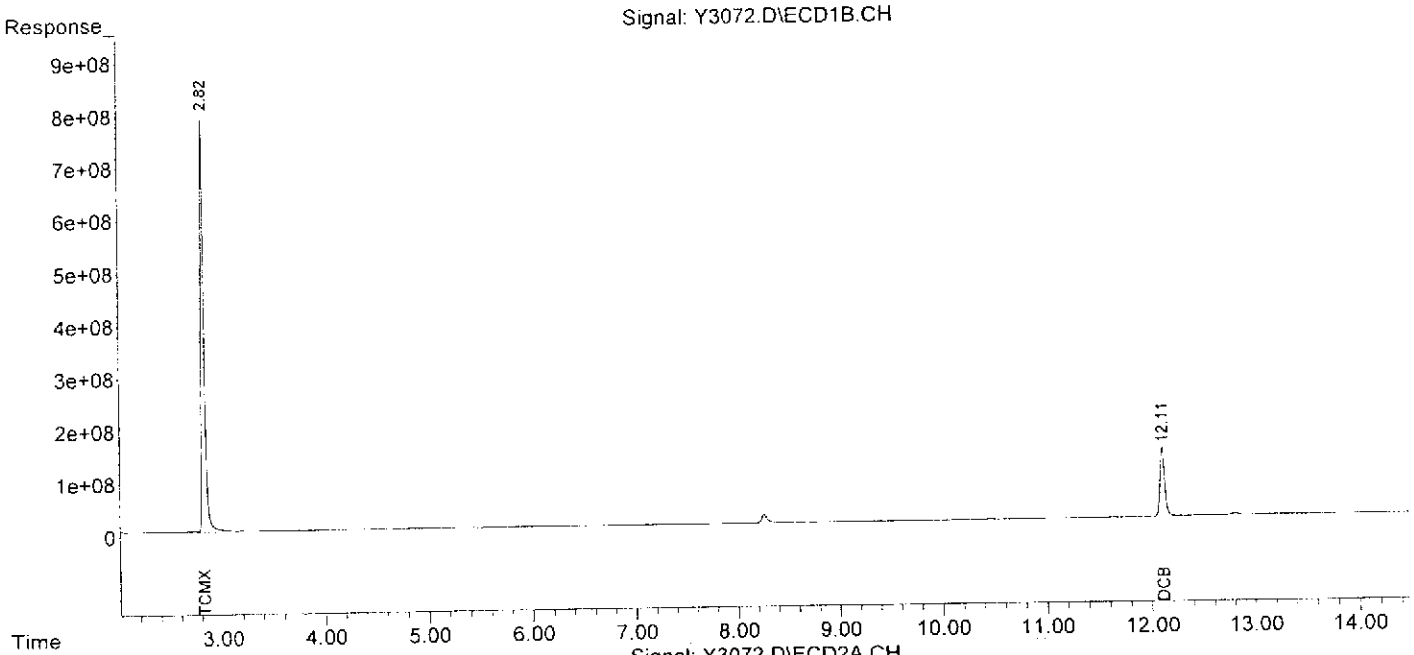
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

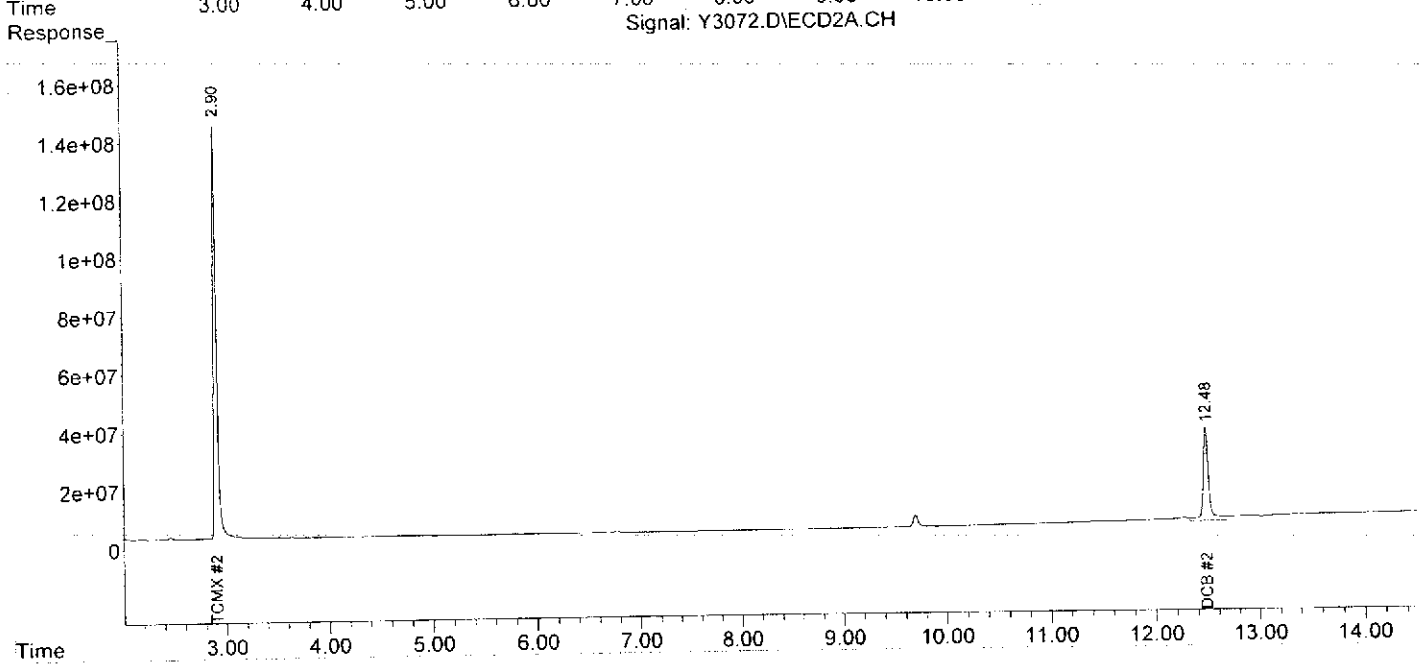
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\11-07-12\
Data File : Y3072.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 Nov 2012 00:16
Operator : JS
Sample : PCB,BLKA121025-05,A,1000ml,100,10/25/12,1
Misc : NA,NA,NA,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 13 12:38:45 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPC01107.M
Quant Title :
QLast Update : Mon Nov 12 09:19:18 2012
Response via : Initial 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\10-24-12\
Data File : Y2836.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 17:22
Operator : YG
Sample : 8082_1248_IAS_4424,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 25 08:37:24 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:37:00 2012
Response via : Initial 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	2.82	2.91	22960.9E6	6980.2E6	238.781	222.892
Spiked Amount 200.000			Recovery	=	119.39%	111.45%
2) S DCB	12.11	12.48	4904.6E6	1856.8E6	222.407	213.788
Spiked Amount 200.000			Recovery	=	111.20%	106.89%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
3) L6 Aroclor-1248	4.51	5.12	1941.8E6	632.9E6	500.000	500.000
4) L6 Aroclor-1248 {2}	5.05	5.70	1048.8E6	941.3E6	500.000	500.000
5) L6 Aroclor-1248 {3}	5.37	6.10	1379.0E6	664.0E6	500.000	500.000
6) L6 Aroclor-1248 {4}	6.07	6.26	2582.2E6	611.5E6	500.000	500.000
7) L6 Aroclor-1248 {5}	6.34	6.61	1743.0E6	337.5E6	500.000	500.000
Sum Aroclor-1248			8694.8E6	3187.1E6	2500.000	2500.000
verage Aroclor-1248					500.000	500.000
Sum Aroclor-1254			0	0	N.D.	N.D.
verage Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
verage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
verage Aroclor-1268					0.000	0.000

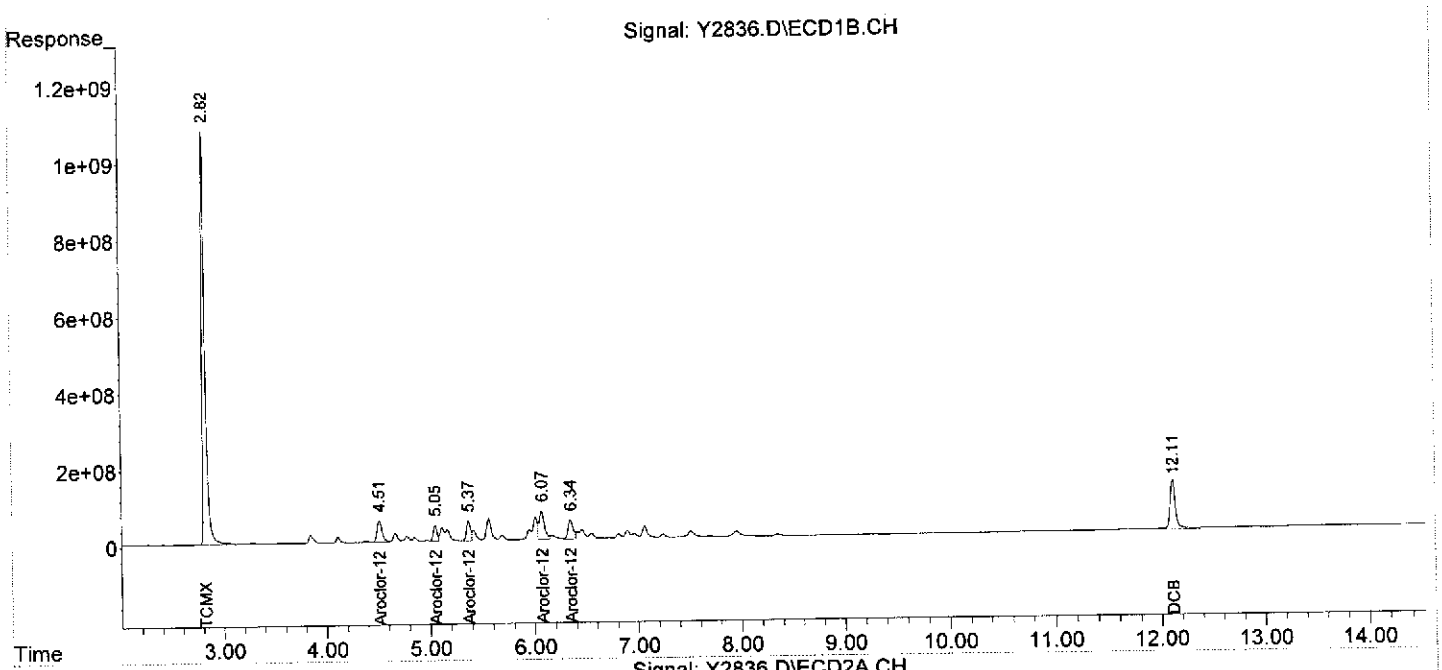
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

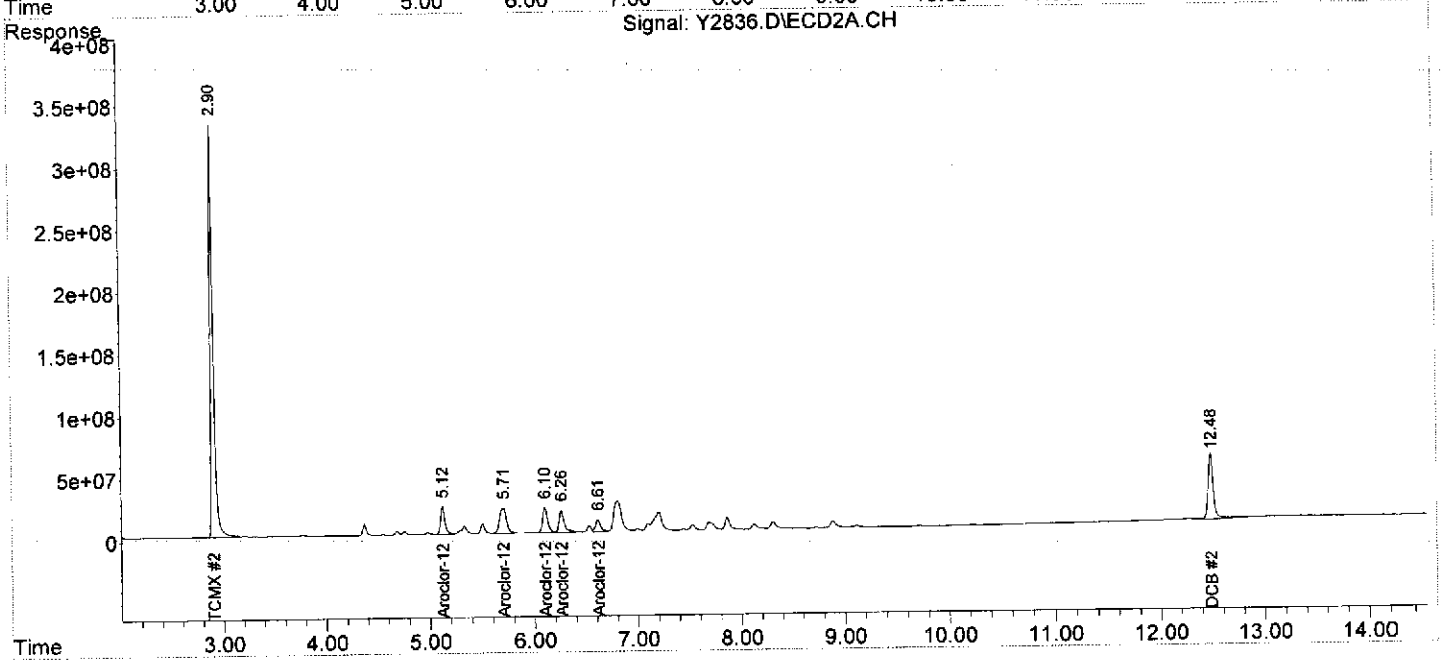
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2836.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 17:22
Operator : YG
Sample : 8082_1248_IAS_4424,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 25 08:37:24 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:37:00 2012
Response via : Initial 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\10-24-12\
Data File : Y2837.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 17:39
Operator : YG
Sample : 8082_1254_IAS_4425,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 25 08:41:01 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:40:21 2012
Response via : Initial 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	2.82	2.90	25474.6E6	7770.4E6	258.173	242.019
Spiked Amount 200.000			Recovery	=	129.09%	121.01%
2) S DCB	12.11	12.48	5817.1E6	2226.6E6	253.303	245.901
Spiked Amount 200.000			Recovery	=	126.65%	122.95%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
verage Aroclor-1248					0.000	0.000
8) L7 Aroclor-1254	6.46	7.10	2580.5E6	838.2E6	500.000	500.000
9) L7 Aroclor-1254 {2}	6.89	7.68	1635.6E6	662.8E6	500.000	500.000
0) L7 Aroclor-1254 {3}	7.06	8.31	3222.4E6	646.2E6	500.000	500.000
1) L7 Aroclor-1254 {4}	7.51	8.53	3222.9E6	393.6E6	500.000	500.000
2) L7 Aroclor-1254 {5}	8.34	9.12	2868.8E6	938.5E6	500.000	500.000
Sum Aroclor-1254			13530.1E6	3479.4E6	2500.000	2500.000
verage Aroclor-1254					500.000	500.000
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
verage Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
verage Aroclor-1268					0.000	0.000

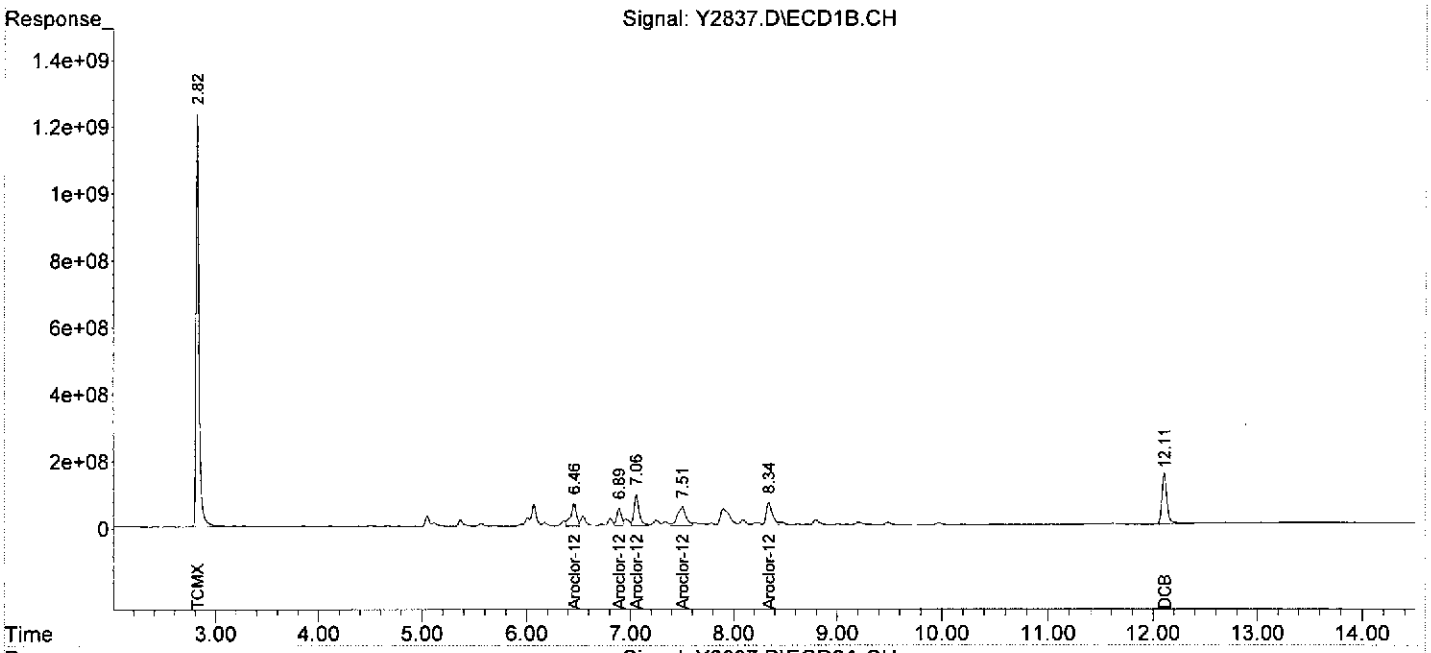
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

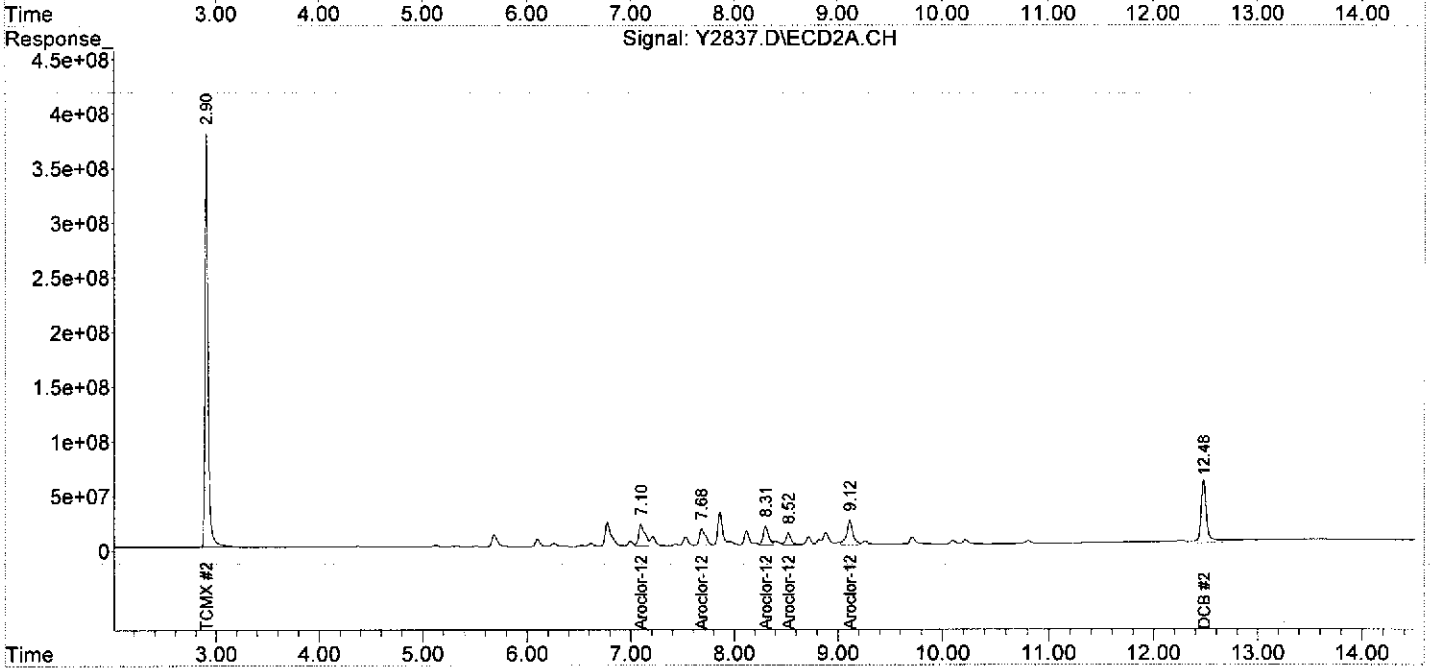
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2837.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 17:39
Operator : YG
Sample : 8082_1254_IAS_4425,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 25 08:41:01 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:40:21 2012
Response via : Initial 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
273 Franklin Rd
Randolph, NJ 07869
fax: 973 989-5288
Web: www.ialonline.com

CUSTOMER INFO	REPORTING INFO	
Company: JMC Environmental Consultants, Inc.	REPORT TO:	James Clabby
Address: 2109 Bridge Ave., Bldg. B	Address:	same
Point Pleasant, NJ 08742		
Telephone #: (732) 295-2144	Attn:	
Fax #: (732) 295-2150	FAX # (732) 295-2150	
Project Manager: James Clabby	INVOICE TO:	Aceto Corp.
EMAIL Address: jclabby@jmcenvironmental.com	Address: 4 Tri Harbor Court	
Sampler: Alison Hallgreen, Steve Kosch	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

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

SAMPLE INFORMATION

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
P-15 (8.0-9.0)		10 22 12	0851	S	1	1	x						
P-15 (9.0-10.0)			0852			2	x						
X-15 (0-2.0)			0916			3	x						
X-15 (2.0-4.0)			0917			4	x						
X-15 (4.0-6.0)			0918			5	x						
X-16 (0-2.0)			0948			6	x						
X-16 (2.0-4.0)			0949			7	x						
X-16 (4.0-6.0)			0950			8	x						

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

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

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

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

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:	10/22/12	1500	Received by:	10/22	1500
Relinquished by:	10/22	1715	Received by:	10/22/12	1715
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 10687

PAGE: 1 of 5

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

10687 0223

Integrated Analytical Laboratories LLC — Randolph, NJ 07869 — 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: Alton Hallgreen, Steve Kosch	Port Washington, NY 11050
Project Name: Aryaco	(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
Y-16 (0-2.0)		10/22/12	1010	S	1	9	x						
Y-16 (2.0-3.0)			1011			10	x						
Y-16 (3.0-4.0)			1012			11	x						
Y-16 (4.0-6.0)			1013			12	x						
Y-15 (0-2.0)			1031			13	x						
Y-15 (2.0-4.0)			1032			14	x						
Y-15 (4.0-6.0)			1033			15	x						
Y-14 (0-2.0			1117			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): X IAL Courier ____ Client Courier ____ FedEx/UPS

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:	10/22/12	1500	Received by:	10/22	1500
Relinquished by:	10/22	1715	Received by:	10/22/12	1715
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 10687

PAGE: 2 of 5

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

10687 0224

C:\Documents and Settings\ahallgreen\Desktop\PCB IALCOC

10/2010 rev

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

CUSTOMER INFO	REPORTING INFO
Company: JMC Environmental Consultants, Inc.	REPORT TO: James Clabby
Address: 2109 Bridge Ave., Bldg. B	Address: same
Point Pleasant, NJ 08742	
Telephone #: (732) 295-2144	Attn:
Fax #: (732) 295-2150	FAX # (732) 295-2150
Project Manager: James Clabby	INVOICE TO: Aceto Corp.
EMAIL Address: jclabby@jmcenvironmental.com	Address: 4 Tri Harbor Court
Sampler: Alton Hallgreen, Steve Koech	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
Y-14 (2.0-4.0)		10 22 12	1118	S	1	17	x						
Y-14 (4.0-4.5)			1119			18	x						
Y-14 (4.5-6.0)			1120			19	x						
Y-13 (0-2.0)			1135			20	x						
Y-13 (2.0-4.0)			1136			21	x						
Y-13 (4.0-5.0)			1137			22	x						
Y-13 (5.0-6.0)			1138			23	x						
Y-12 (0-2.0)			1201			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): X IAL Courier ____ Client Courier ____ FedEx/UPS

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:	10/22/12	1500	Received by:	10/22	1500
Relinquished by:	10/22	1715	Received by:	10/22/12	1715
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 10687

PAGE: 3 of 5

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

10687 0225

C:\Documents and Settings\ahallgreen\Desktop\PCB IALCOC

10/2010 rev

Integrated Analytical Laboratories, LLC
Randolph, NJ 07869
fax: 973 989-5288
Web: www.ialonline.com

CUSTOMER INFO	REPORTING INFO
Company: JMC Environmental Consultants, Inc.	REPORT TO: James Clabby
Address: 2109 Bridge Ave., Bldg. B	Address: same
Point Pleasant, NJ 08742	
Telephone #: (732) 295-2144	Attn:
Fax #: (732) 295-2150	FAX # (732) 295-2150
Project Manager: James Clabby	INVOICE TO: Aceto Corp.
EMAIL Address: jclabby@jmcenvironmental.com	Address: 4 Tri Harbor Court
Sampler: Alton Haligreen, Steve Kosch	Port Washington, NY 11050
Project Name: Azzynco	(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 3 wk unless otherwise specified
24 hr** 48 hr** 72 hr** 96 hr** 1 wk**
Other** (specify):

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

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

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

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

Cooler Temp <4 °C

SAMPLE INFORMATION

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

ANALYTICAL PARAMETERS

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# container s	IAL #	TCL PCB (8082)	HCL	HNO3	NaOH	H2SO4	NAOH/ZNAc	Sterile
Y-12 (2.0-4.0)		10-22-12	1202	S	1	25	x						
Y-12 (4.0-5.0)			1203			26	x						
Y-12 (5.0-6.0)			1204			27	x						
DD-23 (0-2.0)			1310			28	x						
DD-23 (2.0-4.0)			1311			29	x						
DD-23 (4.0-6.0)			1312			30	x						
DD-22 (0-2.0)			1346			31	x						
DD-22 (2.0-4.0			1347			32	x						

BOTTLES & PRESERVATIVES

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): K IAL Courier ____ Client Courier ____ FedEx/UPS

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:	10/22/12	1500	Received by:	10/22	1500
Relinquished by:	10/22	1715	Received by:	10/22/12	1715
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 10687

PAGE: 4 of 5

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

10687 0226

C:\Documents and Settings\ahaligreen\Desktop\PCB IALCOC

10/2010 rev

Integrated Analytical Laboratories LLC

Randolph, NJ 07869

fax: 973 989-5288

Web: www.ialonline.com

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

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

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

PHC - MUST CHOOSE

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

NJ EPH - C40 (5 day TAT)

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

Verbal/Fax: Std 2 wk unless otherwise specified

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

Other** (specify):

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

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

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

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

Cooler Temp <4 °C

SAMPLE INFORMATION

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

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NaOH/ZnAc	Sterile
DD-22 (4.0-4.5)		10 22 12	1348	S	1	33	X						
DD-22 (4.5-5.0)			1349			34	X						
DD-22 (5.0-6.0)			1350			35	X						
DD-21 (0-2.0)			1415			36	X						
DD-21 (2.0-4.0)			1416			37	X						
DD-21 (4.0-5.0)			1417			38	X						
DD-21 (5.0-6.0			1418			39	X						
FB-56				AQ	2	40	X						

Known Hazard: Yes or No Describe:

Conc. Expected: Low Med High

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

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): X IAL Courier ____ Client Courier ____ FedEx/UPS

	Signature/Company	Date	Time		Signature/Company	Date	Time
Relinquished by:		10/22/12	1500	Received by:		10/22	1500
Relinquished by:		10/22	1715	Received by:		10/22/12	1715
Relinquished by:				Received by:			
Relinquished by:				Received by:			
Relinquished by:				Received by:			

Comments:

Lab Case # 10687

PAGE: 5 of 5

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

10687 0227

C:\Documents and Settings\ahallgreen\Desktop\PCB IALCOC

10/2010 rev

PROJECT INFORMATION

E12-10687

Case No. E12-10687 **Project** ARSYNCO

Customer	JMC Environmental Consultants	**P.O. #**	22126
Contact	Jim Clabby	**Received**	10/22/2012 17:15
EMail	jclabby@jmcenvironmental.com; ahallgreen@jmcenvironmental.co tadams@jmcenvironmenta... ☑ EMail EDDs	**Verbal Due**	11/6/2012
Phone	(732) 295-2144 **Fax** (732) 295-2150	**Report Due**	11/13/2012

Report To

2109 Bridge Avenue
Building B
Point Pleasant, NJ 08742
Attn: Jim Clabby

Bill To

Aceto Corp.
4 Tri Harbor Court
Port Washington, NY 11050
Attn: Mr. Ed Kelly

Report Format Reduced

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
10687-001	P-15 (8.0-9.0)	8 / 9	10/22/2012@08:51	Soil	mg/Kg	1
10687-002	P-15 (9.0-10.0)	9 / 10	10/22/2012@08:52	Soil	mg/Kg	1
10687-003	X-15 (0-2.0)	0 / 2	10/22/2012@09:16	Soil	mg/Kg	1
10687-004	X-15 (2.0-4.0)	2 / 4	10/22/2012@09:17	Soil	mg/Kg	1
10687-005	X-15 (4.0-6.0)	4 / 6	10/22/2012@09:18	Soil	mg/Kg	1
10687-006	X-16 (0-2.0)	0 / 2	10/22/2012@09:48	Soil	mg/Kg	1
10687-007	X-16 (2.0-4.0)	2 / 4	10/22/2012@09:49	Soil	mg/Kg	1
10687-008	X-16 (4.0-6.0)	4 / 6	10/22/2012@09:50	Soil	mg/Kg	1
10687-009	Y-16 (0-2.0)	0 / 2	10/22/2012@10:10	Soil	mg/Kg	1
10687-010	Y-16 (2.0-3.0)	2 / 3	10/22/2012@10:11	Soil	mg/Kg	1
10687-011	Y-16 (3.0-4.0)	3 / 4	10/22/2012@10:12	Soil	mg/Kg	1
10687-012	Y-16 (4.0-6.0)	4 / 6	10/22/2012@10:13	Soil	mg/Kg	1
10687-013	Y-15 (0-2.0)	0 / 2	10/22/2012@10:31	Soil	mg/Kg	1
10687-014	Y-15 (2.0-4.0)	2 / 4	10/22/2012@10:32	Soil	mg/Kg	1
10687-015	Y-15 (4.0-6.0)	4 / 6	10/22/2012@10:33	Soil	mg/Kg	1
10687-016	Y-14 (0-2.0)	0 / 2	10/22/2012@11:17	Soil	mg/Kg	1
10687-017	Y-14 (2.0-4.0)	2 / 4	10/22/2012@11:18	Soil	mg/Kg	1
10687-018	Y-14 (4.0-4.5)	4 / 4.5	10/22/2012@11:19	Soil	mg/Kg	1
10687-019	Y-14 (4.5-6.0)	4.5 / 6	10/22/2012@11:20	Soil	mg/Kg	1
10687-020	Y-13 (0-2.0)	0 / 2	10/22/2012@11:35	Soil	mg/Kg	1
10687-021	Y-13 (2.0-4.0)	2 / 4	10/22/2012@11:36	Soil	mg/Kg	1
10687-022	Y-13 (4.0-5.0)	4 / 5	10/22/2012@11:37	Soil	mg/Kg	1
10687-023	Y-13 (5.0-6.0)	5 / 6	10/22/2012@11:38	Soil	mg/Kg	1
10687-024	Y-12 (0-2.0)	0 / 2	10/22/2012@12:01	Soil	mg/Kg	1
10687-025	Y-12 (2.0-4.0)	2 / 4	10/22/2012@12:02	Soil	mg/Kg	1
10687-026	Y-12 (4.0-5.0)	4 / 5	10/22/2012@12:03	Soil	mg/Kg	1
10687-027	Y-12 (5.0-6.0)	5 / 6	10/22/2012@12:04	Soil	mg/Kg	1
10687-028	DD-23 (0-2.0)	0 / 2	10/22/2012@13:10	Soil	mg/Kg	1
10687-029	DD-23 (2.0-4.0)	2 / 4	10/22/2012@13:11	Soil	mg/Kg	1

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

PROJECT INFORMATION

E12-10687

Case No. E12-10687 **Project** ARSYNCO

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
10687-030	DD-23 (4.0-6.0)	4 / 6	10/22/2012@13:12	Soil	mg/Kg	1
10687-031	DD-22 (0-2.0)	0 / 2	10/22/2012@13:46	Soil	mg/Kg	1
10687-032	DD-22 (2.0-4.0)	2 / 4	10/22/2012@13:47	Soil	mg/Kg	1
10687-033	DD-22 (4.0-4.5)	4 / 4.5	10/22/2012@13:48	Soil	mg/Kg	1
10687-034	DD-22 (4.5-5.0)	4.5 / 5	10/22/2012@13:49	Soil	mg/Kg	1
10687-035	DD-22 (5.0-6.0)	5 / 6	10/22/2012@13:50	Soil	mg/Kg	1
10687-036	DD-21 (0-2.0)	0 / 2	10/22/2012@14:15	Soil	mg/Kg	1
10687-037	DD-21 (2.0-4.0)	2 / 4	10/22/2012@14:16	Soil	mg/Kg	1
10687-038	DD-21 (4.0-5.0)	4 / 5	10/22/2012@14:17	Soil	mg/Kg	1
10687-039	DD-21 (5.0-6.0)	5 / 6	10/22/2012@14:18	Soil	mg/Kg	1
10687-040	FB-56	n/a	10/22/2012	Aqueous	mg/L	2

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

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

PROJECT INFORMATION

E12-10687

Case No. E12-10687 **Project** ARSYNCO

Sample #	Tests	Status	QA Method
035	TCL PCB	Run	8082
036	TCL PCB	Run	8082
037	TCL PCB	Run	8082
038	TCL PCB	Run	8082
039	TCL PCB	Run	8082
040	TCL PCB	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 12** **10687** CLIENT: JMC

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

Comments

COC: (COMPLETE) / INCOMPLETE

KEY

✓ = **YES/NA**
✗ = **NO**

✓ 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]
[ ] 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 [ ] DATE 10/22/12

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 [ ] DATE 10/23/12

E12-10687 0231

REV 03/2009

Laboratory Custody Chronicle

IAL Case No.

E12-10687

Client JMC Environmental Consultants

Project ARSYNCO

Received On 10/22/2012@17:15

Department: GC

			Prep. Date	Analyst	Analysis Date	Analyst
TCL PCB	10687-001	Soil	10/23/12	Archimede	11/15/12	Julia
"	-002	"	10/23/12	Archimede	10/28/12	Julia
"	-003	"	10/23/12	Archimede	10/26/12	Julia
"	-004	"	10/23/12	Archimede	10/26/12	Julia
"	-005	"	10/23/12	Archimede	10/26/12	Julia
"	-006	"	10/23/12	Archimede	10/26/12	Julia
"	-007	"	10/23/12	Archimede	10/26/12	Julia
"	-008	"	10/23/12	Archimede	10/26/12	Julia
"	-009	"	10/23/12	Archimede	10/26/12	Julia
"	-010	"	10/23/12	Archimede	10/27/12	Julia
"	-011	"	10/23/12	Archimede	10/27/12	Julia
"	-012	"	10/23/12	Archimede	10/27/12	Julia
"	-013	"	10/23/12	Archimede	11/15/12	Julia
"	-014	"	10/23/12	Archimede	10/27/12	Julia
"	-015	"	10/23/12	Archimede	10/27/12	Julia
"	-016	"	10/23/12	Archimede	10/27/12	Julia
"	-017	"	10/23/12	Archimede	10/27/12	Julia
"	-018	"	10/23/12	Archimede	10/27/12	Julia
"	-019	"	10/23/12	Archimede	10/27/12	Julia
"	-020	"	10/23/12	Archimede	10/27/12	Julia
"	-021	"	10/24/12	Archimede	11/ 9/12	Julia
"	-022	"	10/24/12	Archimede	11/ 9/12	Julia
"	-023	"	10/24/12	Archimede	11/ 9/12	Julia
"	-024	"	10/24/12	Archimede	11/ 9/12	Julia
"	-025	"	10/24/12	Archimede	11/ 9/12	Julia
"	-026	"	10/24/12	Archimede	11/ 9/12	Julia
"	-027	"	10/24/12	Archimede	11/ 9/12	Julia
"	-028	"	10/24/12	Archimede	11/ 9/12	Julia
"	-029	"	10/24/12	Archimede	11/ 9/12	Julia
"	-030	"	10/24/12	Archimede	11/ 9/12	Julia
"	-031	"	10/24/12	Archimede	11/ 9/12	Julia
"	-032	"	10/24/12	Archimede	11/ 9/12	Julia
"	-033	"	10/24/12	Archimede	11/ 9/12	Julia
"	-034	"	10/24/12	Archimede	11/ 9/12	Julia
"	-035	"	10/24/12	Archimede	11/ 9/12	Julia
"	-036	"	10/24/12	Archimede	11/ 9/12	Julia
"	-037	"	10/24/12	Archimede	11/ 9/12	Julia
"	-038	"	10/24/12	Archimede	11/ 9/12	Julia
"	-039	"	10/26/12	Archimede	10/27/12	Julia
"	-040	Aqueous	10/25/12	Archimede	11/ 8/12	Julia

Nov 16 2012 12:15
E12-10687 0232

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