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: **E12-10574**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

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

Sample Summary

IAL Case No.

E12-10574

Client JMC Environmental Consultants

Project ARSYNCO

Received On 10/18/2012@17:00

Lab ID	Client Sample ID	Depth Top/Bottom	Sampling Time	Matrix	# of Container
10574-001	S-34(0-2.0)	0/2.0	10/18/2012@08:43	Soil	1
10574-002	S-34(2.0-4.0)	2.0/4.0	10/18/2012@08:44	Soil	1
10574-003	S-34(4.0-5.0)	4.0/5.0	10/18/2012@08:45	Soil	1
10574-004	S-34(5.0-5.5)	5.0/5.5	10/18/2012@08:46	Soil	1
10574-005	S-34(5.5-6.0)	5.5/6.0	10/18/2012@08:47	Soil	1
10574-006	S-33(0-2.0)	0/2.0	10/18/2012@09:02	Soil	1
10574-007	S-33(2.0-4.0)	2.0/4.0	10/18/2012@09:03	Soil	1
10574-008	S-33(4.0-5.0)	4.0/5.0	10/18/2012@09:04	Soil	1
10574-009	S-33(5.0-5.5)	5.0/5.5	10/18/2012@09:05	Soil	1
10574-010	S-33(5.5-6.0)	5.5/6.0	10/18/2012@09:06	Soil	1
10574-011	R-33(0-2.0)	0.2/2.0	10/18/2012@09:35	Soil	1
10574-012	R-33(2.0-4.0)	2.0/4.0	10/18/2012@09:36	Soil	1
10574-013	R-33(4.0-5.0)	4.0/5.0	10/18/2012@09:37	Soil	1
10574-014	R-33(5.0-6.0)	5.0/6.0	10/18/2012@09:38	Soil	1
10574-015	R-35(0-2.0)	0/2.0	10/18/2012@10:20	Soil	1
10574-016	R-35(2.0-4.0)	2.0/4.0	10/18/2012@10:21	Soil	1
10574-017	R-35(4.0-5.0)	4.0/5.0	10/18/2012@10:22	Soil	1
10574-018	R-35(5.0-5.5)	5.0/5.5	10/18/2012@10:23	Soil	1
10574-019	R-35(5.5-6.0)	5.5/6.0	10/18/2012@10:24	Soil	1
10574-020	R-34(0-2.0)	0/2.0	10/18/2012@10:45	Soil	1
10574-021	R-34(2.0-4.0)	2.0/4.0	10/18/2012@10:46	Soil	1
10574-022	R-34(4.0-5.0)	4.0/5.0	10/18/2012@10:47	Soil	1
10574-023	R-34(5.0-6.0)	5.0/6.0	10/18/2012@10:48	Soil	1
10574-024	T-34(0-2.0)	0/2.0	10/18/2012@11:20	Soil	1
10574-025	T-34(2.0-4.0)	2.0/4.0	10/18/2012@11:21	Soil	1
10574-026	T-34(4.0-5.0)	4.0/5.0	10/18/2012@11:22	Soil	1
10574-027	T-34(5.0-6.0)	5.0/6.0	10/18/2012@11:23	Soil	1
10574-028	T-33(0-2.0)	0/2.0	10/18/2012@11:48	Soil	1
10574-029	T-33(2.0-4.0)	2.0/4.0	10/18/2012@11:49	Soil	1
10574-030	T-33(4.0-5.0)	4.0/5.0	10/18/2012@11:50	Soil	1
10574-031	T-33(5.0-5.5)	5.0/5.5	10/18/2012@11:51	Soil	1
10574-032	T-33(5.5-6.0)	5.5/6.0	10/18/2012@11:52	Soil	1
10574-033	U-33(0-2.0)	0/2.0	10/18/2012@13:10	Soil	1
10574-034	U-33(2.0-4.0)	2.0/4.0	10/18/2012@13:11	Soil	1
10574-035	U-33(4.0-5.0)	4.0/5.0	10/18/2012@13:12	Soil	1
10574-036	U-33(5.0-5.5)	5.0/5.5	10/18/2012@13:13	Soil	1
10574-037	U-33(5.5-6.0)	5.5/6.0	10/18/2012@13:14	Soil	1
10574-038	U-34(0-2.0)	0/2.0	10/18/2012@13:35	Soil	1
10574-039	U-34(2.0-4.0)	2.0/4.0	10/18/2012@13:36	Soil	1
10574-040	U-34(4.0-5.0)	4.0/5.0	10/18/2012@13:37	Soil	1
10574-041	U-34(5.0-6.0)	5.0/6.0	10/18/2012@13:38	Soil	1
10574-042	Y-29(0-2.0)	0/2.0	10/18/2012@14:10	Soil	1
10574-043	Y-29(2.0-2.5)	2.0/2.5	10/18/2012@14:11	Soil	1
10574-044	Y-29(2.5-4.0)	2.5/4.0	10/18/2012@14:12	Soil	1
10574-045	Y-29(4.0-6.0)	4.0/6.0	10/18/2012@14:13	Soil	1
10574-046	Z-29(0-2.0)	0/2.0	10/18/2012@14:42	Soil	1

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

Sample Summary

IAL Case No.

E12-10574

Client JMC Environmental Consultants

Project ARSYNCO

Received On 10/18/2012@17:00

Lab ID	Client Sample ID	Depth Top/Bottom	Sampling Time	Matrix	# of Container
10574-047	Z-29(2.0-4.0)	2.0/4.0	10/18/2012@14:43	Soil	1
10574-048	Z-29(4.0-5.0)	4.0/5.0	10/18/2012@14:44	Soil	1
10574-049	Z-29(5.0-6.0)	5.0/6.0	10/18/2012@14:45	Soil	1
10574-050	FB-54	n/a	10/18/2012@14:55	Aqueous	2

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INTEGRATED ANALYTICAL LABORATORIES, LLC.

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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 forty-nine (49) soil sample(s) from JMC Environmental Consultants (IAL SDG # E12-10574, Project: ARSYNCO) on October 18, 2012 for the analysis of:

(50) 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#: E12-10574

PCB By 8082

Batch ID: 121022-03	**Matrix: Soil**

QC

- Calibration Curve met QC criteria.
- Surrogate Percent Recovery did not meet QC criteria. Double surrogate was added to entire batch.
- 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.

E12-10574

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- Sample #15 from batch 121022-03 needed 5x dilution due to high concentration of target compound.
  This sample did not meet NJ SRS criteria
  No dilution performed for the rest of the samples from batch 121022-03.

JS 10-25-12

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E12-10574

PCB By 8082

Batch ID: 121019-09	**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.

E12-10574
- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- samples for job E12-10574 batch 121019-09 performed with no dilutions

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E12-10574

PCB By 8082

Batch ID: 121022-04	**Matrix: Soil**

QC

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

E12-10574

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- The following samples for job 10574 from batch 121022-04 do not meet NJ SRS criteria: 33, 44, 46. All of them needed 10 times dilution due to high concentration of the target compound. No dilutions performed for the rest of the samples for job 10574 from batch 121022-04.

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E12-10574

PCB By 8082

Batch ID: 121023-03	**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.

E12-10574

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- No dilution performed for each sample 10574-049.

JB 11-16-12

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E12-10574

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.

E12-10574

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- No dilution for sample 10574-050.

JBI 11-14-12

RESULTS SUMMARY REPORT

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E12-10574

Lab ID:	**10574-050**		
Client ID:	**FB-54**		
Matrix:	**Aqueous**		
Sampled Date	**10/18/12**		
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:	**10574-001**			**10574-002**			**10574-003**			**10574-004**	
Client ID:	**S-34(0-2.0)**			**S-34(2.0-4.0)**			**S-34(4.0-5.0)**			**S-34(5.0-5.5)**	
Depth:	**0/2.0**			**2.0/4.0**			**4.0/5.0**			**5.0/5.5**	
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**	
Sampled Date	**10/18/12**			**10/18/12**			**10/18/12**			**10/18/12**	
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		0.018	ND		0.018	ND		0.019
Aroclor-1221	ND		0.017	ND		0.018	ND		0.018	ND		0.019
Aroclor-1232	ND		0.017	ND		0.018	ND		0.018	ND		0.019
Aroclor-1242	ND		0.017	ND		0.018	ND		0.018	ND		0.019
Aroclor-1248	ND		0.017	ND		0.018	ND		0.018	ND		0.019
Aroclor-1254	ND		0.017	ND		0.018	ND		0.018	ND		0.019
Aroclor-1260	ND		0.017	ND		0.018	ND		0.018	ND		0.019
Aroclor-1262	ND		0.017	ND		0.018	ND		0.018	ND		0.019
Aroclor-1268	ND		0.017	ND		0.018	ND		0.018	ND		0.019
PCBs	ND		0.017	ND		0.018	ND		0.018	ND		0.019

Lab ID:	**10574-005**			**10574-006**			**10574-007**			**10574-008**	
Client ID:	**S-34(5.5-6.0)**			**S-33(0-2.0)**			**S-33(2.0-4.0)**			**S-33(4.0-5.0)**	
Depth:	**5.5/6.0**			**0/2.0**			**2.0/4.0**			**4.0/5.0**	
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**	
Sampled Date	**10/18/12**			**10/18/12**			**10/18/12**			**10/18/12**	
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		0.017	ND		0.016	ND		0.017
Aroclor-1221	ND		0.018	ND		0.017	ND		0.016	ND		0.017
Aroclor-1232	ND		0.018	ND		0.017	ND		0.016	ND		0.017
Aroclor-1242	ND		0.018	ND		0.017	ND		0.016	ND		0.017
Aroclor-1248	ND		0.018	ND		0.017	ND		0.016	ND		0.017
Aroclor-1254	ND		0.018	ND		0.017	ND		0.016	ND		0.017
Aroclor-1260	ND		0.018	0.523		0.017	ND		0.016	ND		0.017
Aroclor-1262	ND		0.018	ND		0.017	ND		0.016	ND		0.017
Aroclor-1268	ND		0.018	ND		0.017	ND		0.016	ND		0.017
PCBs	ND		0.018	0.523		0.017	ND		0.016	ND		0.017

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E12-10574

Lab ID:	**10574-009**		**10574-010**		**10574-011**		**10574-012**	
Client ID:	**S-33(5.0-5.5)**		**S-33(5.5-6.0)**		**R-33(0-2.0)**		**R-33(2.0-4.0)**	
Depth:	**5.0/5.5**		**5.5/6.0**		**0.2/2.0**		**2.0/4.0**	
Matrix:	**Soil**		**Soil**		**Soil**		**Soil**	
Sampled Date	**10/18/12**		**10/18/12**		**10/18/12**		**10/18/12**	
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	0.037	ND	0.019	ND	0.016	ND	0.016
Aroclor-1221	ND	0.037	ND	0.019	ND	0.016	ND	0.016
Aroclor-1232	ND	0.037	ND	0.019	ND	0.016	ND	0.016
Aroclor-1242	ND	0.037	ND	0.019	ND	0.016	ND	0.016
Aroclor-1248	ND	0.037	ND	0.019	ND	0.016	ND	0.016
Aroclor-1254	ND	0.037	ND	0.019	ND	0.016	ND	0.016
Aroclor-1260	ND	0.037	ND	0.019	ND	0.016	ND	0.016
Aroclor-1262	ND	0.037	ND	0.019	ND	0.016	ND	0.016
Aroclor-1268	ND	0.037	ND	0.019	ND	0.016	ND	0.016
PCBs	ND	0.037	ND	0.019	ND	0.016	ND	0.016

Lab ID:	**10574-013**		**10574-014**		**10574-015**		**10574-016**	
Client ID:	**R-33(4.0-5.0)**		**R-33(5.0-6.0)**		**R-35(0-2.0)**		**R-35(2.0-4.0)**	
Depth:	**4.0/5.0**		**5.0/6.0**		**0/2.0**		**2.0/4.0**	
Matrix:	**Soil**		**Soil**		**Soil**		**Soil**	
Sampled Date	**10/18/12**		**10/18/12**		**10/18/12**		**10/18/12**	
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	0.065	ND	0.020	ND	0.082	ND	0.017
Aroclor-1221	ND	0.065	ND	0.020	ND	0.082	ND	0.017
Aroclor-1232	ND	0.065	ND	0.020	ND	0.082	ND	0.017
Aroclor-1242	ND	0.065	ND	0.020	ND	0.082	ND	0.017
Aroclor-1248	ND	0.065	ND	0.020	13.3	0.082	ND	0.017
Aroclor-1254	ND	0.065	ND	0.020	ND	0.082	ND	0.017
Aroclor-1260	ND	0.065	ND	0.020	ND	0.082	ND	0.017
Aroclor-1262	ND	0.065	ND	0.020	ND	0.082	ND	0.017
Aroclor-1268	ND	0.065	ND	0.020	ND	0.082	ND	0.017
PCBs	ND	0.065	ND	0.020	13.3	0.082	ND	0.017

Lab ID:	**10574-017**		**10574-018**		**10574-019**		**10574-020**	
Client ID:	**R-35(4.0-5.0)**		**R-35(5.0-5.5)**		**R-35(5.5-6.0)**		**R-34(0-2.0)**	
Depth:	**4.0/5.0**		**5.0/5.5**		**5.5/6.0**		**0/2.0**	
Matrix:	**Soil**		**Soil**		**Soil**		**Soil**	
Sampled Date	**10/18/12**		**10/18/12**		**10/18/12**		**10/18/12**	
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	0.036	ND	0.019	ND	0.016
Aroclor-1221	ND	0.017	ND	0.036	ND	0.019	ND	0.016
Aroclor-1232	ND	0.017	ND	0.036	ND	0.019	ND	0.016
Aroclor-1242	ND	0.017	ND	0.036	ND	0.019	ND	0.016
Aroclor-1248	ND	0.017	ND	0.036	ND	0.019	ND	0.016
Aroclor-1254	ND	0.017	ND	0.036	ND	0.019	1.56	0.016
Aroclor-1260	ND	0.017	ND	0.036	ND	0.019	ND	0.016
Aroclor-1262	ND	0.017	ND	0.036	ND	0.019	ND	0.016
Aroclor-1268	ND	0.017	ND	0.036	ND	0.019	ND	0.016
PCBs	ND	0.017	ND	0.036	ND	0.019	1.56	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.: E12-10574

Lab ID:	**10574-021**		**10574-022**		**10574-023**		**10574-024**	
Client ID:	**R-34(2.0-4.0)**		**R-34(4.0-5.0)**		**R-34(5.0-6.0)**		**T-34(0-2.0)**	
Depth:	**2.0/4.0**		**4.0/5.0**		**5.0/6.0**		**0/2.0**	
Matrix:	**Soil**		**Soil**		**Soil**		**Soil**	
Sampled Date	**10/18/12**		**10/18/12**		**10/18/12**		**10/18/12**	
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	0.016	ND	0.064	ND	0.019	ND	0.016
Aroclor-1221	ND	0.016	ND	0.064	ND	0.019	ND	0.016
Aroclor-1232	ND	0.016	ND	0.064	ND	0.019	ND	0.016
Aroclor-1242	ND	0.016	ND	0.064	ND	0.019	ND	0.016
Aroclor-1248	ND	0.016	ND	0.064	ND	0.019	ND	0.016
Aroclor-1254	ND	0.016	ND	0.064	ND	0.019	0.934	0.016
Aroclor-1260	ND	0.016	ND	0.064	ND	0.019	ND	0.016
Aroclor-1262	ND	0.016	ND	0.064	ND	0.019	ND	0.016
Aroclor-1268	ND	0.016	ND	0.064	ND	0.019	ND	0.016
PCBs	ND	0.016	ND	0.064	ND	0.019	0.934	0.016

Lab ID:	**10574-025**		**10574-026**		**10574-027**		**10574-028**	
Client ID:	**T-34(2.0-4.0)**		**T-34(4.0-5.0)**		**T-34(5.0-6.0)**		**T-33(0-2.0)**	
Depth:	**2.0/4.0**		**4.0/5.0**		**5.0/6.0**		**0/2.0**	
Matrix:	**Soil**		**Soil**		**Soil**		**Soil**	
Sampled Date	**10/18/12**		**10/18/12**		**10/18/12**		**10/18/12**	
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	0.015	ND	0.062	ND	0.018	ND	0.016
Aroclor-1221	ND	0.015	ND	0.062	ND	0.018	ND	0.016
Aroclor-1232	ND	0.015	ND	0.062	ND	0.018	ND	0.016
Aroclor-1242	ND	0.015	ND	0.062	ND	0.018	ND	0.016
Aroclor-1248	ND	0.015	ND	0.062	ND	0.018	ND	0.016
Aroclor-1254	ND	0.015	ND	0.062	ND	0.018	ND	0.016
Aroclor-1260	ND	0.015	ND	0.062	ND	0.018	ND	0.016
Aroclor-1262	ND	0.015	ND	0.062	ND	0.018	ND	0.016
Aroclor-1268	ND	0.015	ND	0.062	ND	0.018	ND	0.016
PCBs	ND	0.015	ND	0.062	ND	0.018	ND	0.016

Lab ID:	**10574-029**		**10574-030**		**10574-031**		**10574-032**	
Client ID:	**T-33(2.0-4.0)**		**T-33(4.0-5.0)**		**T-33(5.0-5.5)**		**T-33(5.5-6.0)**	
Depth:	**2.0/4.0**		**4.0/5.0**		**5.0/5.5**		**5.5/6.0**	
Matrix:	**Soil**		**Soil**		**Soil**		**Soil**	
Sampled Date	**10/18/12**		**10/18/12**		**10/18/12**		**10/18/12**	
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	0.016	ND	0.018	ND	0.041	ND	0.018
Aroclor-1221	ND	0.016	ND	0.018	ND	0.041	ND	0.018
Aroclor-1232	ND	0.016	ND	0.018	ND	0.041	ND	0.018
Aroclor-1242	ND	0.016	ND	0.018	ND	0.041	ND	0.018
Aroclor-1248	ND	0.016	ND	0.018	ND	0.041	ND	0.018
Aroclor-1254	ND	0.016	ND	0.018	ND	0.041	ND	0.018
Aroclor-1260	ND	0.016	ND	0.018	ND	0.041	ND	0.018
Aroclor-1262	ND	0.016	ND	0.018	ND	0.041	ND	0.018
Aroclor-1268	ND	0.016	ND	0.018	ND	0.041	ND	0.018
PCBs	ND	0.016	ND	0.018	ND	0.041	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.: E12-10574

Lab ID:	10574-033			10574-034			10574-035			10574-036		
Client ID:	U-33(0-2.0)			U-33(2.0-4.0)			U-33(4.0-5.0)			U-33(5.0-5.5)		
Depth:	0/2.0			2.0/4.0			4.0/5.0			5.0/5.5		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	10/18/12			10/18/12			10/18/12			10/18/12		
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		0.182	ND		0.018	ND		0.019	ND		0.054
Aroclor-1221	ND		0.182	ND		0.018	ND		0.019	ND		0.054
Aroclor-1232	ND		0.182	ND		0.018	ND		0.019	ND		0.054
Aroclor-1242	ND		0.182	ND		0.018	ND		0.019	ND		0.054
Aroclor-1248	ND		0.182	ND		0.018	ND		0.019	ND		0.054
Aroclor-1254	ND		0.182	ND		0.018	ND		0.019	ND		0.054
Aroclor-1260	52.9		0.182	ND		0.018	ND		0.019	ND		0.054
Aroclor-1262	ND		0.182	ND		0.018	ND		0.019	ND		0.054
Aroclor-1268	ND		0.182	ND		0.018	ND		0.019	ND		0.054
PCBs	52.9		0.182	ND		0.018	ND		0.019	ND		0.054

Lab ID:	10574-037			10574-038			10574-039			10574-040		
Client ID:	U-33(5.5-6.0)			U-34(0-2.0)			U-34(2.0-4.0)			U-34(4.0-5.0)		
Depth:	5.5/6.0			0/2.0			2.0/4.0			4.0/5.0		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	10/18/12			10/18/12			10/18/12			10/18/12		
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		0.018	ND		0.017	ND		0.093
Aroclor-1221	ND		0.018	ND		0.018	ND		0.017	ND		0.093
Aroclor-1232	ND		0.018	ND		0.018	ND		0.017	ND		0.093
Aroclor-1242	ND		0.018	ND		0.018	ND		0.017	ND		0.093
Aroclor-1248	ND		0.018	ND		0.018	ND		0.017	ND		0.093
Aroclor-1254	ND		0.018	8.20		0.018	ND		0.017	ND		0.093
Aroclor-1260	ND		0.018	ND		0.018	ND		0.017	ND		0.093
Aroclor-1262	ND		0.018	ND		0.018	ND		0.017	ND		0.093
Aroclor-1268	ND		0.018	ND		0.018	ND		0.017	ND		0.093
PCBs	ND		0.018	8.20		0.018	ND		0.017	ND		0.093

Lab ID:	10574-041			10574-042			10574-043			10574-044		
Client ID:	U-34(5.0-6.0)			Y-29(0-2.0)			Y-29(2.0-2.5)			Y-29(2.5-4.0)		
Depth:	5.0/6.0			0/2.0			2.0/2.5			2.5/4.0		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	10/18/12			10/18/12			10/18/12			10/18/12		
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		0.018	ND		0.016	ND		0.219
Aroclor-1221	ND		0.019	ND		0.018	ND		0.016	ND		0.219
Aroclor-1232	ND		0.019	ND		0.018	ND		0.016	ND		0.219
Aroclor-1242	ND		0.019	ND		0.018	ND		0.016	ND		0.219
Aroclor-1248	ND		0.019	ND		0.018	ND		0.016	ND		0.219
Aroclor-1254	ND		0.019	ND		0.018	ND		0.016	ND		0.219
Aroclor-1260	ND		0.019	ND		0.018	ND		0.016	ND		0.219
Aroclor-1262	ND		0.019	ND		0.018	ND		0.016	ND		0.219
Aroclor-1268	ND		0.019	ND		0.018	ND		0.016	ND		0.219
PCBs	ND		0.019	ND		0.018	ND		0.016	ND		0.219

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E12-10574

Lab ID:	**10574-045**			**10574-046**			**10574-047**			**10574-048**	
Client ID:	**Y-29(4.0-6.0)**			**Z-29(0-2.0)**			**Z-29(2.0-4.0)**			**Z-29(4.0-5.0)**	
Depth:	**4.0/6.0**			**0/2.0**			**2.0/4.0**			**4.0/5.0**	
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**	
Sampled Date	**10/18/12**			**10/18/12**			**10/18/12**			**10/18/12**	
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		0.238	ND		0.018	ND		0.082
Aroclor-1221	ND		0.019	ND		0.238	ND		0.018	ND		0.082
Aroclor-1232	ND		0.019	ND		0.238	ND		0.018	ND		0.082
Aroclor-1242	ND		0.019	ND		0.238	ND		0.018	ND		0.082
Aroclor-1248	ND		0.019	74.9		0.238	ND		0.018	ND		0.082
Aroclor-1254	ND		0.019	ND		0.238	ND		0.018	ND		0.082
Aroclor-1260	ND		0.019	ND		0.238	ND		0.018	ND		0.082
Aroclor-1262	ND		0.019	ND		0.238	ND		0.018	ND		0.082
Aroclor-1268	ND		0.019	ND		0.238	ND		0.018	ND		0.082
PCBs	ND		0.019	74.9		0.238	ND		0.018	ND		0.082

Lab ID:	**10574-049**		
Client ID:	**Z-29(5.0-6.0)**		
Depth:	**5.0/6.0**		
Matrix:	**Soil**		
Sampled Date	**10/18/12**		
PARAMETER(Units)	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*		
Aroclor-1016	ND		0.018
Aroclor-1221	ND		0.018
Aroclor-1232	ND		0.018
Aroclor-1242	ND		0.018
Aroclor-1248	ND		0.018
Aroclor-1254	ND		0.018
Aroclor-1260	ND		0.018
Aroclor-1262	ND		0.018
Aroclor-1268	ND		0.018
PCBs	ND		0.018

ND = Analyzed for but Not Detected at the MDL

ANALYTICAL RESULTS

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-001
Client ID: S-34(0-2.0
Date Received: 10/18/2012
Date Extracted: 10/19/2012
Date Analyzed: 10/24/2012
Data file: R4658.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.20g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 9.20

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

E12-10574 0016

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-002
Client ID: S-34(2.0-4
Date Received: 10/18/2012
Date Extracted: 10/19/2012
Date Analyzed: 10/24/2012
Data file: R4659.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.18g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 13.0

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

E12-10574 0017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-003
Client ID: S-34(4.0-5
Date Received: 10/18/2012
Date Extracted: 10/19/2012
Date Analyzed: 10/24/2012
Data file: R4660.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.41g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.3

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	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

E12-10574 0018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-004
Client ID: S-34(5.0-5
Date Received: 10/18/2012
Date Extracted: 10/19/2012
Date Analyzed: 10/24/2012
Data file: R4661.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.66g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 24.7

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

E12-10574 0019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-005
Client ID: S-34(5.5-6
Date Received: 10/18/2012
Date Extracted: 10/19/2012
Date Analyzed: 10/24/2012
Data file: R4662.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.81g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 22.3

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

E12-10574 0020

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-006
Client ID: S-33(0-2.0
Date Received: 10/18/2012
Date Extracted: 10/19/2012
Date Analyzed: 10/24/2012
Data file: R4663.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.40g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 11.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.042	0.017
Aroclor-1221	ND		0.042	0.017
Aroclor-1232	ND		0.042	0.017
Aroclor-1242	ND		0.042	0.017
Aroclor-1248	ND		0.042	0.017
Aroclor-1254	ND		0.042	0.017
Aroclor-1260	0.523		0.042	0.017
Aroclor-1262	ND		0.042	0.017
Aroclor-1268	ND		0.042	0.017
PCBs	0.523		0.042	0.017

E12-10574 0021

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-007
Client ID: S-33(2.0-4
Date Received: 10/18/2012
Date Extracted: 10/19/2012
Date Analyzed: 10/24/2012
Data file: R4664.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.26g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 7.90

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

E12-10574 0022

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-008
Client ID: S-33(4.0-5
Date Received: 10/18/2012
Date Extracted: 10/19/2012
Date Analyzed: 10/25/2012
Data file: R4665.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.21g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 12.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.044	0.017
Aroclor-1221	ND		0.044	0.017
Aroclor-1232	ND		0.044	0.017
Aroclor-1242	ND		0.044	0.017
Aroclor-1248	ND		0.044	0.017
Aroclor-1254	ND		0.044	0.017
Aroclor-1260	ND		0.044	0.017
Aroclor-1262	ND		0.044	0.017
Aroclor-1268	ND		0.044	0.017
PCBs	ND		0.044	0.017

E12-10574 0023

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-009
Client ID: S-33(5.0-5
Date Received: 10/18/2012
Date Extracted: 10/19/2012
Date Analyzed: 10/25/2012
Data file: R4666.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.35g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 59.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.093	0.037
Aroclor-1221	ND		0.093	0.037
Aroclor-1232	ND		0.093	0.037
Aroclor-1242	ND		0.093	0.037
Aroclor-1248	ND		0.093	0.037
Aroclor-1254	ND		0.093	0.037
Aroclor-1260	ND		0.093	0.037
Aroclor-1262	ND		0.093	0.037
Aroclor-1268	ND		0.093	0.037
PCBs	ND		0.093	0.037

E12-10574 0024

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-010
Client ID: S-33(5.5-6
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2870.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.35g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 21.4

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: 10574-011
Client ID: R-33(0-2.0
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2871.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.82g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 11.7

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-012
Client ID: R-33(2.0-4
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2872.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.75g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 12.9

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-013
Client ID: R-33(4.0-5
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2873.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.65g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 78.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.162	0.065
Aroclor-1221	ND		0.162	0.065
Aroclor-1232	ND		0.162	0.065
Aroclor-1242	ND		0.162	0.065
Aroclor-1248	ND		0.162	0.065
Aroclor-1254	ND		0.162	0.065
Aroclor-1260	ND		0.162	0.065
Aroclor-1262	ND		0.162	0.065
Aroclor-1268	ND		0.162	0.065
PCBs	ND		0.162	0.065

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INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-014
Client ID: R-33(5.0-6
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2874.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.32g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 23.9

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-015
Client ID: R-35(0-2.0
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2923.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.39g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 9.00

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.204	0.082
Aroclor-1221	ND		0.204	0.082
Aroclor-1232	ND		0.204	0.082
Aroclor-1242	ND		0.204	0.082
Aroclor-1248	13.3		0.204	0.082
Aroclor-1254	ND		0.204	0.082
Aroclor-1260	ND		0.204	0.082
Aroclor-1262	ND		0.204	0.082
Aroclor-1268	ND		0.204	0.082
PCBs	13.3		0.204	0.082

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-016
Client ID: R-35(2.0-4
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2876.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.29g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 12.4

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

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INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-017
Client ID: R-35(4.0-5
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2877.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.44g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 13.0

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-018
Client ID: R-35(5.0-5
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2878.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.80g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 61.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.089	0.036
Aroclor-1221	ND		0.089	0.036
Aroclor-1232	ND		0.089	0.036
Aroclor-1242	ND		0.089	0.036
Aroclor-1248	ND		0.089	0.036
Aroclor-1254	ND		0.089	0.036
Aroclor-1260	ND		0.089	0.036
Aroclor-1262	ND		0.089	0.036
Aroclor-1268	ND		0.089	0.036
PCBs	ND		0.089	0.036

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-019
Client ID: R-35(5.5-6
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2879.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.51g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 23.8

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	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

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INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-020
Client ID: R-34(0-2.0
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2880.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.66g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 10.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.039	0.016
Aroclor-1221	ND		0.039	0.016
Aroclor-1232	ND		0.039	0.016
Aroclor-1242	ND		0.039	0.016
Aroclor-1248	ND		0.039	0.016
Aroclor-1254	1.56		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	1.56		0.039	0.016

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-021
Client ID: R-34(2.0-4
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2881.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.64g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 13.2

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-022
Client ID: R-34(4.0-5
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2882.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.93g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 79.0

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-023
Client ID: R-34(5.0-6
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2883.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.74g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 24.5

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

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INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-024
Client ID: T-34(0-2.0
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2884.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.66g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 11.6

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	0.934		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	0.934		0.040	0.016

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-025
Client ID: T-34(2.0-4
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2885.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.81g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 10.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.038	0.015
Aroclor-1221	ND		0.038	0.015
Aroclor-1232	ND		0.038	0.015
Aroclor-1242	ND		0.038	0.015
Aroclor-1248	ND		0.038	0.015
Aroclor-1254	ND		0.038	0.015
Aroclor-1260	ND		0.038	0.015
Aroclor-1262	ND		0.038	0.015
Aroclor-1268	ND		0.038	0.015
PCBs	ND		0.038	0.015

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INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-026
Client ID: T-34(4.0-5
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2886.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.78g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 77.6

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-027
Client ID: T-34(5.0-6
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2887.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.92g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 25.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.045	0.018
Aroclor-1221	ND		0.045	0.018
Aroclor-1232	ND		0.045	0.018
Aroclor-1242	ND		0.045	0.018
Aroclor-1248	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: 10574-028
Client ID: T-33(0-2.0
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2888.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.05g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 3.40

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-029
Client ID: T-33(2.0-4
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2895.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.17g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 6.10

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-030
Client ID: T-33(4.0-5
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2925.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.03g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 13.0

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: 10574-031
Client ID: T-33(5.0-5
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2897.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.08g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 61.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.102	0.041
Aroclor-1221	ND		0.102	0.041
Aroclor-1232	ND		0.102	0.041
Aroclor-1242	ND		0.102	0.041
Aroclor-1248	ND		0.102	0.041
Aroclor-1254	ND		0.102	0.041
Aroclor-1260	ND		0.102	0.041
Aroclor-1262	ND		0.102	0.041
Aroclor-1268	ND		0.102	0.041
PCBs	ND		0.102	0.041

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INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-032
Client ID: T-33(5.5-6
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2898.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.85g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 24.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.045	0.018
Aroclor-1221	ND		0.045	0.018
Aroclor-1232	ND		0.045	0.018
Aroclor-1242	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: 10574-033
Client ID: U-33(0-2.0
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2926.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.21g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 15.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.455	0.182
Aroclor-1221	ND		0.455	0.182
Aroclor-1232	ND		0.455	0.182
Aroclor-1242	ND		0.455	0.182
Aroclor-1248	ND		0.455	0.182
Aroclor-1254	ND		0.455	0.182
Aroclor-1260	52.9		0.455	0.182
Aroclor-1262	ND		0.455	0.182
Aroclor-1268	ND		0.455	0.182
PCBs	52.9		0.455	0.182

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-034
Client ID: U-33(2.0-4
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2900.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.17g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 12.2

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-035
Client ID: U-33(4.0-5
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2901.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.17g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.046	0.019
Aroclor-1221	ND		0.046	0.019
Aroclor-1232	ND		0.046	0.019
Aroclor-1242	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: 10574-036
Client ID: U-33(5.0-5
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2902.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.15g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 71.3

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

E12-10574 0051

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-037
Client ID: U-33(5.5-6
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2903.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.76g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 22.8

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: 10574-038
Client ID: U-34(0-2.0
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2904.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.15g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 12.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.044	0.018
Aroclor-1221	ND		0.044	0.018
Aroclor-1232	ND		0.044	0.018
Aroclor-1242	ND		0.044	0.018
Aroclor-1248	ND		0.044	0.018
Aroclor-1254	8.20		0.044	0.018
Aroclor-1260	ND		0.044	0.018
Aroclor-1262	ND		0.044	0.018
Aroclor-1268	ND		0.044	0.018
PCBs	8.20		0.044	0.018

E12-10574 0053

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-039
Client ID: U-34(2.0-4
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2905.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.40g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 14.9

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

E12-10574 0054

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-040
Client ID: U-34(4.0-5
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2906.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.06g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 82.9

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

E12-10574 0055

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-041
Client ID: U-34(5.0-6
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2907.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.53g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 22.9

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

E12-10574 0056

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-042
Client ID: Y-29(0-2.0
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2908.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.14g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 14.6

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-043
Client ID: Y-29(2.0-2
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2909.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.70g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 13.2

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-044
Client ID: Y-29(2.5-4
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2910.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.12g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 28.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.549	0.219
Aroclor-1221	ND		0.549	0.219
Aroclor-1232	ND		0.549	0.219
Aroclor-1242	ND		0.549	0.219
Aroclor-1248	ND		0.549	0.219
Aroclor-1254	ND		0.549	0.219
Aroclor-1260	ND		0.549	0.219
Aroclor-1262	ND		0.549	0.219
Aroclor-1268	ND		0.549	0.219
PCBs	ND		0.549	0.219

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-045
Client ID: Y-29(4.0-6
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2911.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.40g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.2

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

E12-10574 0060

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-046
Client ID: Z-29(0-2.0
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2927.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.57g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 39.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.595	0.238
Aroclor-1221	ND		0.595	0.238
Aroclor-1232	ND		0.595	0.238
Aroclor-1242	ND		0.595	0.238
Aroclor-1248	74.9		0.595	0.238
Aroclor-1254	ND		0.595	0.238
Aroclor-1260	ND		0.595	0.238
Aroclor-1262	ND		0.595	0.238
Aroclor-1268	ND		0.595	0.238
PCBs	74.9		0.595	0.238

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-047
Client ID: Z-29(2.0-4
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2913.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.47g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.9

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

E12-10574 0062

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-048
Client ID: Z-29(4.0-5
Date Received: 10/18/2012
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2914.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.02g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 80.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.205	0.082
Aroclor-1221	ND		0.205	0.082
Aroclor-1232	ND		0.205	0.082
Aroclor-1242	ND		0.205	0.082
Aroclor-1248	ND		0.205	0.082
Aroclor-1254	ND		0.205	0.082
Aroclor-1260	ND		0.205	0.082
Aroclor-1262	ND		0.205	0.082
Aroclor-1268	ND		0.205	0.082
PCBs	ND		0.205	0.082

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10574-049
Client ID: Z-29(5.0-6
Date Received: 10/18/2012
Date Extracted: 10/23/2012
Date Analyzed: 10/25/2012
Data file: R4692.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.51g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 21.1

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: 10574-050
Client ID: FB-54
Date Received: 10/18/2012
Date Extracted: 10/25/2012
Date Analyzed: 11/08/2012
Data file: Y3073.D

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

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

PCB DATA

PCB QC SUMMARY

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/24/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS121019-09	SOIL	124		92		147		107	
H-29(5.0-5	10545-047	SOIL	104		92		143		104	
H-29(5.5-6	10545-048	SOIL	120		117		149		105	
FF-36(3.0-	10545-051	SOIL	124		108		141		115	
FF-36(4.0-	10545-052	SOIL	135		142		138		150	
FF-36(5.0-	10545-053	SOIL	122		127		141		100	
S-35(0-2.0	10545-054	SOIL	118		119		141		94	
S-35(2.0-4	10545-055	SOIL	117		100		138		94	
S-35(4.0-5	10545-056	SOIL	126		117		135		115	
S-35(5.0-6	10545-057	SOIL	115		79		141		104	
S-34(0-2.0	10574-001	SOIL	93		100		125		91	
S-34(2.0-4	10574-002	SOIL	110		74		136		89	
S-34(4.0-5	10574-003	SOIL	116		64		141		89	
S-34(5.0-5	10574-004	SOIL	94		99		128		111	
S-34(5.5-6	10574-005	SOIL	112		84		139		114	
S-33(0-2.0	10574-006	SOIL	99		76		130		88	
S-33(2.0-4	10574-007	SOIL	118		97		145		96	
S-33(4.0-5	10574-008	SOIL	123		107		145		100	
S-33(5.0-5	10574-009	SOIL	146		115		140		120	
PCB	10574-007MS	SOIL	116		91		140		95	
PCB	10574-007MSD	SOIL	114		84		142		95	
PCB	LCSS121019-09	SOIL	116		94		147		98	
FF-36(0-2.	10545-049	SOIL	0	D	0	D	0	D	0	D
FF-36(2.0-	10545-050	SOIL	0	D	0	D	0	D	0	D

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

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

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/25/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS121022-03	SOIL	71		31		55		69	61
GS-1	10600-001	SOIL	63		28		81		51	55
S-33(5.5-6	10574-010	SOIL	74		32		64		72	64
R-33(0-2.0	10574-011	SOIL	50		36		67		59	73
R-33(2.0-4	10574-012	SOIL	70		31		62		69	62
R-33(4.0-5	10574-013	SOIL	91		41		80		94	81
R-33(5.0-6	10574-014	SOIL	86		36		61		85	73
R-35(2.0-4	10574-016	SOIL	68		31		57		69	62
R-35(4.0-5	10574-017	SOIL	69		30		59		68	60
R-35(5.0-5	10574-018	SOIL	80		37		73		82	73
R-35(5.5-6	10574-019	SOIL	79		34		60		77	68
R-34(0-2.0	10574-020	SOIL	67		32		55		67	63
R-34(2.0-4	10574-021	SOIL	68		35		55		69	71
R-34(4.0-5	10574-022	SOIL	85		36		68		87	72
R-34(5.0-6	10574-023	SOIL	73		31		49		72	63
T-34(0-2.0	10574-024	SOIL	68		30		60		68	59
T-34(2.0-4	10574-025	SOIL	67		33		46		67	65
T-34(4.0-5	10574-026	SOIL	82		37		72		84	75
T-34(5.0-6	10574-027	SOIL	73		31		50		72	63
T-33(0-2.0	10574-028	SOIL	45		30		45		56	59
PCB	10574-028MS	SOIL	44		34		57		53	67
PCB	10574-028MSD	SOIL	43		43		49		52	86
R-35(0-2.0	10574-015	SOIL	68		27		68		69	54
PCB	LCSS121022-03	SOIL	46		21		40		46	42

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

Analyst inadvertently double spiked surrogate.
% Recoveries have been adjusted to reflect this.

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/25/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS121022-04	SOIL	80		89		81		76	
T-33(2.0-4	10574-029	SOIL	51		56		64		98	
T-33(5.0-5	10574-031	SOIL	79		88		84		134	
T-33(5.5-6	10574-032	SOIL	82		68		80		72	
U-33(2.0-4	10574-034	SOIL	79		71		79		69	
U-33(4.0-5	10574-035	SOIL	79		70		80		72	
U-33(5.0-5	10574-036	SOIL	88		86		96		88	
U-33(5.5-6	10574-037	SOIL	78		62		78		70	
U-34(0-2.0	10574-038	SOIL	73		70		75		72	
U-34(2.0-4	10574-039	SOIL	77		70		77		72	
U-34(4.0-5	10574-040	SOIL	95		89		98		87	
U-34(5.0-6	10574-041	SOIL	77		63		77		68	
Y-29(0-2.0	10574-042	SOIL	73		52		75		67	
Y-29(2.0-2	10574-043	SOIL	63		56		70		77	
Y-29(2.5-4	10574-044	SOIL	47		62		54		61	
Y-29(4.0-6	10574-045	SOIL	67		54		71		65	
Z-29(2.0-4	10574-047	SOIL	70		54		76		114	
Z-29(4.0-5	10574-048	SOIL	93		81		100		92	
PCB	10574-048MS	SOIL	100		81		102		82	
PCB	10574-048MSD	SOIL	95		77		100		91	
PCB	LCSS121022-04	SOIL	79		64		80		73	
T-33(4.0-5	10574-030	SOIL	77		71		82		76	
U-33(0-2.0	10574-033	SOIL	79		99		84		105	
Z-29(0-2.0	10574-046	SOIL	81		99		86		107	

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: 10/25/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS121023-03	SOIL	95		106		98		112	
Z-29(5.0-6	10574-049	SOIL	95		138		96		125	
S-209	10617-001	SOIL	80		106		87		108	
S-210	10617-002	SOIL	85		106		89		101	
S-211	10617-003	SOIL	76		101		81		100	
L-19_(1.0-	10655-002	SOIL	73		106		89		108	
L-19_(4.0-	10655-004	SOIL	86		101		88		105	
L-18_(0-2.	10655-005	SOIL	59		98		70		90	
L-18_(2.0-	10655-006	SOIL	87		106		91		103	
L-18_(4.0-	10655-007	SOIL	104		133		113		130	
L-18_(5.0-	10655-008	SOIL	85		108		87		108	
M-17_(2.0-	10655-010	SOIL	69		107		79		96	
M-17_(4.0-	10655-011	SOIL	82		95		84		99	
M-17_(4.5-	10655-012	SOIL	90		115		99		116	
M-17_(5.25	10655-013	SOIL	85		100		87		112	
M-18_(2.0-	10655-015	SOIL	79		94		83		100	
M-18_(4.0-	10655-016	SOIL	85		127		85		93	
PCB	10655-016MS	SOIL	84		122		84		109	
PCB	10655-016MSD	SOIL	87		126		86		98	
PCB	LCSS121023-03	SOIL	88		112		88		96	
L-19_(2.0-	10655-003	SOIL	116		105		118		113	
M-18_(0-2.	10655-014	SOIL	80		96		89		91	
L-19_(0-1.	10655-001	SOIL	95		75		105		85	
M-17_(0-2.	10655-009	SOIL	100		90		120		80	

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

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

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 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: LCSS121019-09

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	480.3	96	40 - 140
Aroclor-1260	500.0	0.0	439.4	88	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: LCSS121022-03

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	557.8	112	40 - 140
Aroclor-1260	500.0	0.0	598.3	120	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: LCSS121022-04

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	522.0	104	40 - 140
Aroclor-1260	500.0	0.0	464.7	93	40 - 140

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

* Values outside of QC limits

NC Non calculable

Spike Recovery: __0___ out of __2__ outside limits

SOIL PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: LCSS121023-03

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	525.9	105	40 - 140
Aroclor-1260	500.0	0.0	487.0	97	40 - 140

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

Spike Recovery: __0___ out of __2__ outside limits

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: 10574-007

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	459.7	92	40 - 140
Aroclor-1260	500.0	0.0	397.4	79	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	#	MSD % REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	468.0		94	2	50	40 - 140
Aroclor-1260	0.0	370.2		74	7	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: 10574-028

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	562.0	112	40 - 140
Aroclor-1260	500.0	0.0	612.7	123	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	#	MSD % REC	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	552.9		111	1		50	40 - 140
Aroclor-1260	0.0	589.0		118	4		50	40 - 140

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

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __2__ outside limits

Spike Recovery: __0___ out of __4__ outside limits

SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 10574-048

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	653.6	131	40 - 140
Aroclor-1260	500.0	0.0	582.7	117	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	653.6	131	0	50	40 - 140
Aroclor-1260	0.0	582.7	117	0	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: 10655-016

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	512.1	102	40 - 140
Aroclor-1260	500.0	0.0	502.7	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	519.9		104	2		50	40 - 140
Aroclor-1260	0.0	477.5		96	5		50	40 - 140

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

RPD: __0___ out of __2__ outside limits

Spike Recovery: __0___ out of __4__ outside limits

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: R4646.D

Instrument ID: GC-R

Date Extracted: 10/19/2012

Matrix: SOIL

Date Analyzed: 10/24/2012

Time Analyzed: 18:36

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
H-29(5.0-5	10545-047	10/24/2012	18:53
H-29(5.5-6	10545-048	10/24/2012	19:11
FF-36(3.0-	10545-051	10/24/2012	20:03
FF-36(4.0-	10545-052	10/24/2012	20:20
FF-36(5.0-	10545-053	10/24/2012	20:38
S-35(0-2.0	10545-054	10/24/2012	20:55
S-35(2.0-4	10545-055	10/24/2012	21:12
S-35(4.0-5	10545-056	10/24/2012	21:30
S-35(5.0-6	10545-057	10/24/2012	21:47
S-34(0-2.0	10574-001	10/24/2012	22:05
S-34(2.0-4	10574-002	10/24/2012	22:22
S-34(4.0-5	10574-003	10/24/2012	22:39
S-34(5.0-5	10574-004	10/24/2012	22:57
S-34(5.5-6	10574-005	10/24/2012	23:14
S-33(0-2.0	10574-006	10/24/2012	23:31
S-33(2.0-4	10574-007	10/24/2012	23:49
S-33(4.0-5	10574-008	10/25/2012	00:06
S-33(5.0-5	10574-009	10/25/2012	00:24
PCB	10574-007MS	10/25/2012	00:41
PCB	10574-007MSD	10/25/2012	00:58
PCB	LCSS121019-09	10/25/2012	01:16
FF-36(0-2.	10545-049	10/25/2012	09:28
FF-36(2.0-	10545-050	10/25/2012	09:45

PCB METHOD BLANK SUMMARY

Lab File ID: Y2868.D

Instrument ID: GC-Y

Date Extracted: 10/22/2012

Matrix: SOIL

Date Analyzed: 10/25/2012

Time Analyzed: 02:31

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
GS-1	10600-001	10/25/2012	02:48
S-33(5.5-6	10574-010	10/25/2012	03:05
R-33(0-2.0	10574-011	10/25/2012	03:22
R-33(2.0-4	10574-012	10/25/2012	03:40
R-33(4.0-5	10574-013	10/25/2012	03:57
R-33(5.0-6	10574-014	10/25/2012	04:14
R-35(2.0-4	10574-016	10/25/2012	04:48
R-35(4.0-5	10574-017	10/25/2012	05:05
R-35(5.0-5	10574-018	10/25/2012	05:23
R-35(5.5-6	10574-019	10/25/2012	05:40
R-34(0-2.0	10574-020	10/25/2012	05:57
R-34(2.0-4	10574-021	10/25/2012	06:14
R-34(4.0-5	10574-022	10/25/2012	06:31
R-34(5.0-6	10574-023	10/25/2012	06:48
T-34(0-2.0	10574-024	10/25/2012	07:05
T-34(2.0-4	10574-025	10/25/2012	07:23
T-34(4.0-5	10574-026	10/25/2012	07:40
T-34(5.0-6	10574-027	10/25/2012	07:57
T-33(0-2.0	10574-028	10/25/2012	08:14
PCB	10574-028MS	10/25/2012	08:31
PCB	10574-028MSD	10/25/2012	08:49
R-35(0-2.0	10574-015	10/25/2012	21:22
PCB	LCSS121022-03	10/25/2012	21:39

PCB METHOD BLANK SUMMARY

Lab File ID: Y2894.D

Instrument ID: GC-Y

Date Extracted: 10/22/2012

Matrix: SOIL

Date Analyzed: 10/25/2012

Time Analyzed: 09:57

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
T-33(2.0-4	10574-029	10/25/2012	10:14
T-33(5.0-5	10574-031	10/25/2012	10:49
T-33(5.5-6	10574-032	10/25/2012	12:29
U-33(2.0-4	10574-034	10/25/2012	13:04
U-33(4.0-5	10574-035	10/25/2012	13:21
U-33(5.0-5	10574-036	10/25/2012	13:38
U-33(5.5-6	10574-037	10/25/2012	13:55
U-34(0-2.0	10574-038	10/25/2012	14:12
U-34(2.0-4	10574-039	10/25/2012	14:29
U-34(4.0-5	10574-040	10/25/2012	14:47
U-34(5.0-6	10574-041	10/25/2012	15:04
Y-29(0-2.0	10574-042	10/25/2012	15:21
Y-29(2.0-2	10574-043	10/25/2012	15:38
Y-29(2.5-4	10574-044	10/25/2012	15:55
Y-29(4.0-6	10574-045	10/25/2012	16:13
Z-29(2.0-4	10574-047	10/25/2012	17:04
Z-29(4.0-5	10574-048	10/25/2012	17:56
PCB	10574-048MS	10/25/2012	18:30
PCB	10574-048MSD	10/25/2012	18:48
PCB	LCSS121022-04	10/25/2012	19:05
T-33(4.0-5	10574-030	10/25/2012	21:57
U-33(0-2.0	10574-033	10/25/2012	22:14
Z-29(0-2.0	10574-046	10/25/2012	22:31

PCB METHOD BLANK SUMMARY

Lab File ID: R4691.D

Instrument ID: GC-R

Date Extracted: 10/23/2012

Matrix: SOIL

Date Analyzed: 10/25/2012

Time Analyzed: 20:34

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
Z-29(5.0-6	10574-049	10/25/2012	20:52
S-209	10617-001	10/25/2012	21:09
S-210	10617-002	10/25/2012	21:26
S-211	10617-003	10/25/2012	21:44
L-19_(1.0-	10655-002	10/25/2012	22:18
L-19_(4.0-	10655-004	10/25/2012	22:53
L-18_(0-2.	10655-005	10/25/2012	23:11
L-18_(2.0-	10655-006	10/25/2012	23:28
L-18_(4.0-	10655-007	10/25/2012	23:45
L-18_(5.0-	10655-008	10/26/2012	00:03
M-17_(2.0-	10655-010	10/26/2012	00:37
M-17_(4.0-	10655-011	10/26/2012	00:55
M-17_(4.5-	10655-012	10/26/2012	01:12
M-17_(5.25	10655-013	10/26/2012	01:30
M-18_(2.0-	10655-015	10/26/2012	02:05
M-18_(4.0-	10655-016	10/26/2012	02:22
PCB	10655-016MS	10/26/2012	02:39
PCB	10655-016MSD	10/26/2012	02:57
PCB	LCSS121023-03	10/26/2012	03:14
L-19_(2.0-	10655-003	10/26/2012	17:20
M-18_(0-2.	10655-014	10/26/2012	17:54
L-19_(0-1.	10655-001	11/10/2012	15:04
M-17_(0-2.	10655-009	11/10/2012	15:21

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

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

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

Data File: R4027.D R4026.D R4025.D R4024.D R4023.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.98	3.99	3.98	3.98	3.98	3.98	3.91	4.05
Aroclor-1016 {2}	4.84	4.88	4.88	4.88	4.88	4.87	4.80	4.94
Aroclor-1016 {3}	5.46	5.47	5.46	5.46	5.46	5.46	5.39	5.53
Aroclor-1016 {4}	5.99	6.00	5.99	5.99	5.99	5.99	5.92	6.06
Aroclor-1016 {5}	6.40	6.41	6.40	6.40	6.40	6.40	6.33	6.47
Aroclor-1221			2.77				2.70	2.84
Aroclor-1221 {2}			3.77				3.70	3.84
Aroclor-1221 {3}			3.90				3.83	3.97
Aroclor-1221 {4}			3.99				3.92	4.06
Aroclor-1221 {5}			4.63				4.56	4.70
Aroclor-1232			3.98				3.91	4.05
Aroclor-1232 {2}			4.88				4.81	4.95
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			4.88				4.81	4.95
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}			6.93				6.85	7.01
Aroclor-1248 {5}			7.21				7.13	7.29
Aroclor-1254			7.33				7.25	7.41
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	9.26	9.25	9.26	9.26	8.36	10.16
Aroclor-1260 {2}	9.94	9.95	9.94	9.94	9.94	9.94	9.04	10.84
Aroclor-1260 {3}	10.42	10.43	10.42	10.42	10.42	10.42	9.52	11.32
Aroclor-1260 {4}	10.92	10.92	10.92	10.92	10.92	10.92	10.02	11.82
Aroclor-1260 {5}	11.97	11.99	11.99	11.99	11.99	11.98	11.08	12.88

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

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

Data File: R4027.D R4026.D R4025.D R4024.D R4023.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	3511652	2816199	3467138	3317027	3099693	3242342	8.87
Aroclor-1016 {2}	4188236	3253991	4718865	4551856	4200745	4182738	13.56
Aroclor-1016 {3}	6055619	4295515	6229272	5975596	5562124	5623625	13.90
Aroclor-1016 {4}	2785133	1991453	2882208	2787547	2660777	2621424	13.76
Aroclor-1016 {5}	4915019	3355545	5007014	4861594	4618781	4551591	15.02
Aroclor-1221			1257546				
Aroclor-1221 {2}			1893487				
Aroclor-1221 {3}			1309294				
Aroclor-1221 {4}			4676883				
Aroclor-1221 {5}			1002527				
Aroclor-1232			3240639				
Aroclor-1232 {2}			1842958				
Aroclor-1232 {3}			1718532				
Aroclor-1232 {4}			1775155				
Aroclor-1232 {5}			2335323				
Aroclor-1242			3625567				
Aroclor-1242 {2}			2229770				
Aroclor-1242 {3}			3195758				
Aroclor-1242 {4}			4993590				
Aroclor-1242 {5}			4382398				
Aroclor-1248			7725170				
Aroclor-1248 {2}			4221262				
Aroclor-1248 {3}			5543238				
Aroclor-1248 {4}			9059725				
Aroclor-1248 {5}			7047603				
Aroclor-1254			9927381				
Aroclor-1254 {2}			6402045				
Aroclor-1254 {3}			11830910				
Aroclor-1254 {4}			13745369				
Aroclor-1254 {5}			12105674				
Aroclor-1260	14233122	11021092	15871385	15489084	14388910	14200719	13.45
Aroclor-1260 {2}	6114874	5165039	7187490	7094178	6735037	6459324	12.96
Aroclor-1260 {3}	18675711	14343619	22383335	22061075	21339183	19760584	17.01
Aroclor-1260 {4}	9961583	6815883	9883281	9419191	9071522	9030292	14.28
Aroclor-1260 {5}	4000512	3129452	4122738	4269482	4017395	3907916	11.47
						Average %RSD	13.43

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-R

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

Data File: R4027.C R4026.C R4025.C R4024.C R4023.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	4.29	4.30	4.29	4.29	4.29	4.29	4.22	4.36
Aroclor-1016 {2}	4.91	4.92	4.91	4.91	4.91	4.91	4.84	4.98
Aroclor-1016 {3}	5.68	5.69	5.68	5.68	5.68	5.68	5.61	5.75
Aroclor-1016 {4}	5.89	5.91	5.89	5.89	5.89	5.90	5.83	5.97
Aroclor-1016 {5}	6.08	6.09	6.07	6.07	6.07	6.08	6.01	6.15
Aroclor-1221			2.91				2.84	2.98
Aroclor-1221 {2}			3.96				3.89	4.03
Aroclor-1221 {3}			4.21				4.14	4.28
Aroclor-1221 {4}			4.30				4.23	4.37
Aroclor-1221 {5}			5.69				5.62	5.76
Aroclor-1232			4.29				4.22	4.36
Aroclor-1232 {2}			5.30				5.23	5.37
Aroclor-1232 {3}			5.90				5.83	5.97
Aroclor-1232 {4}			6.07				6.00	6.14
Aroclor-1232 {5}			6.68				6.61	6.75
Aroclor-1242			5.30				5.23	5.37
Aroclor-1242 {2}			6.07				6.00	6.14
Aroclor-1242 {3}			6.68				6.61	6.75
Aroclor-1242 {4}			6.84				6.77	6.91
Aroclor-1242 {5}			7.38				7.31	7.45
Aroclor-1248			5.68				5.60	5.76
Aroclor-1248 {2}			6.28				6.20	6.36
Aroclor-1248 {3}			6.68				6.60	6.76
Aroclor-1248 {4}			6.84				6.76	6.92
Aroclor-1248 {5}			7.19				7.11	7.27
Aroclor-1254			7.69				7.61	7.77
Aroclor-1254 {2}			8.29				8.21	8.37
Aroclor-1254 {3}			8.73				8.64	8.82
Aroclor-1254 {4}			8.91				8.82	9.00
Aroclor-1254 {5}			9.74				9.65	9.83
Aroclor-1260	8.73	8.74	8.73	8.73	8.73	8.73	7.83	9.63
Aroclor-1260 {2}	9.14	9.15	9.14	9.14	9.14	9.14	8.24	10.04
Aroclor-1260 {3}	10.34	10.35	10.34	10.34	10.34	10.34	9.44	11.24
Aroclor-1260 {4}	10.85	10.86	10.85	10.84	10.85	10.85	9.95	11.75
Aroclor-1260 {5}	11.45	11.46	11.44	11.44	11.44	11.45	10.55	12.35

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-R

GC Column (2nd): ~~RTX-CLP2~~ DB1701 8/13 11/16/12

Data File: R4027.C R4026.C R4025.C R4024.C R4023.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	3130558	2679139	3011975	2774350	2512524	2821709	8.86
Aroclor-1016 {2}	5796044	5225297	5748314	5335239	4842326	5389444	7.32
Aroclor-1016 {3}	12226143	11358837	12777155	12035270	11187275	11916936	5.46
Aroclor-1016 {4}	5061478	5719039	5548767	5117295	4674807	5224277	7.95
Aroclor-1016 {5}	5152686	5148770	4328416	4022161	3716230	4473652	14.64
Aroclor-1221			1307358				
Aroclor-1221 {2}			1761591				
Aroclor-1221 {3}			1212973				
Aroclor-1221 {4}			4126657				
Aroclor-1221 {5}			853562				
Aroclor-1232			2963857				
Aroclor-1232 {2}			1145681				
Aroclor-1232 {3}			2451228				
Aroclor-1232 {4}			1915006				
Aroclor-1232 {5}			2742806				
Aroclor-1242			2098851				
Aroclor-1242 {2}			3553903				
Aroclor-1242 {3}			4708079				
Aroclor-1242 {4}			3953510				
Aroclor-1242 {5}			7472256				
Aroclor-1248			6726171				
Aroclor-1248 {2}			9608012				
Aroclor-1248 {3}			7178237				
Aroclor-1248 {4}			6183837				
Aroclor-1248 {5}			3629057				
Aroclor-1254			9005872				
Aroclor-1254 {2}			7281883				
Aroclor-1254 {3}			4642513				
Aroclor-1254 {4}			6930365				
Aroclor-1254 {5}			9786450				
Aroclor-1260	7743082	6239003	6832797	6337301	5843691	6599175	11.06
Aroclor-1260 {2}	7503867	7020840	7921266	7377084	6814102	7327432	5.88
Aroclor-1260 {3}	5971058	5703678	5982914	5624209	5233499	5703072	5.38
Aroclor-1260 {4}	12246873	10857970	12788461	12195487	11518107	11921380	6.26
Aroclor-1260 {5}	8492005	7889151	9031351	8620466	8096124	8425819	5.33
						Average %RSD	7.81

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

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

Data File: R4027.D R4026.D R4025.D R4024.D R4023.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: R4027.C R4026.C R4025.C R4024.C R4023.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1262			10.34				9.44	9.44
Aroclor-1262 {2}			10.85				9.95	9.95
Aroclor-1262 {3}			11.35				10.45	10.45
Aroclor-1262 {4}			11.44				10.44	10.44
Aroclor-1262 {5}			12.05				11.05	11.05
Aroclor-1268			11.35				10.35	10.35
Aroclor-1268 {2}			11.43				10.33	10.33
Aroclor-1268 {3}			11.69				10.59	10.59
Aroclor-1268 {4}			11.83				10.73	10.73
Aroclor-1268 {5}			12.92				11.82	11.82

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012 **Instrument ID:** GC-R
GC Column (1st): DB-5

Data File: R4027.D R4026.D R4025.D R4024.D R4023.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			17437361				
Aroclor-1262 {2}			30610702				
Aroclor-1262 {3}			11568494				
Aroclor-1262 {4}			11756894				
Aroclor-1262 {5}			7687568				
Aroclor-1268			33144927				
Aroclor-1268 {2}			31144063				
Aroclor-1268 {3}			23837402				
Aroclor-1268 {4}			5780849				
Aroclor-1268 {5}			61954251				

GC Column (2nd): DB-1701P

Data File: R4027.C R4026.C R4025.C R4024.C R4023.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			8300472				
Aroclor-1262 {2}			18219682				
Aroclor-1262 {3}			6030617				
Aroclor-1262 {4}			12262874				
Aroclor-1262 {5}			2288702				
Aroclor-1268			18489633				
Aroclor-1268 {2}			18976679				
Aroclor-1268 {3}			15077914				
Aroclor-1268 {4}			3974914				
Aroclor-1268 {5}			44570519				

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/24/2012 **Instrument ID:** GC-R

Data File: R4645.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	3242342	2749442	15.20
Aroclor-1016 {2}	4.87	4.80	4.94	4182738	4223498	0.97
Aroclor-1016 {3}	5.46	5.39	5.53	5623625	4855840	13.65
Aroclor-1016 {4}	5.99	5.92	6.06	2621424	2427397	7.40
Aroclor-1016 {5}	6.40	6.33	6.47	4551591	4010285	11.89
Aroclor-1260	9.26	8.36	10.16	14200719	11455669	19.33
Aroclor-1260 {2}	9.94	9.04	10.84	6459324	6286195	2.68
Aroclor-1260 {3}	10.42	9.52	11.32	19760584	16660766	15.69
Aroclor-1260 {4}	10.92	10.02	11.82	9030292	8192184	9.28
Aroclor-1260 {5}	11.99	11.08	12.88	3907916	3428929	12.26
					Average %D	10.84

Data File: R4645.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.28	4.22	4.36	2821709	3028971	7.35
Aroclor-1016 {2}	4.90	4.84	4.98	5389444	5865332	8.83
Aroclor-1016 {3}	5.67	5.61	5.75	11916936	12220861	2.55
Aroclor-1016 {4}	5.88	5.83	5.97	5224277	4510632	13.66
Aroclor-1016 {5}	6.06	6.01	6.15	4473652	3927611	12.21
Aroclor-1260	8.72	7.83	9.63	6599175	5925614	10.21
Aroclor-1260 {2}	9.13	8.24	10.04	7327432	6159384	15.94
Aroclor-1260 {3}	10.33	9.44	11.24	5703072	4946341	13.27
Aroclor-1260 {4}	10.84	9.95	11.75	11921380	10367836	13.03
Aroclor-1260 {5}	11.44	10.55	12.35	8425819	7484413	11.17
					Average %D	10.82

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/25/2012 **Instrument ID:** GC-R

Data File: R4670.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	3242342	2725732	15.93
Aroclor-1016 {2}	4.87	4.80	4.94	4182738	3354487	19.80
Aroclor-1016 {3}	5.46	5.39	5.53	5623625	4833779	14.05
Aroclor-1016 {4}	5.99	5.92	6.06	2621424	2461458	6.10
Aroclor-1016 {5}	6.40	6.33	6.47	4551591	4029850	11.46
Aroclor-1260	9.26	8.36	10.16	14200719	11696174	17.64
Aroclor-1260 {2}	9.94	9.04	10.84	6459324	6016463	6.86
Aroclor-1260 {3}	10.42	9.52	11.32	19760584	17179951	13.06
Aroclor-1260 {4}	10.91	10.02	11.82	9030292	8392681	7.06
Aroclor-1260 {5}	11.99	11.08	12.88	3907916	4221673	8.03
					Average %D	12.00

Data File: R4670.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.28	4.22	4.36	2821709	3030901	7.41
Aroclor-1016 {2}	4.90	4.84	4.98	5389444	5863177	8.79
Aroclor-1016 {3}	5.67	5.61	5.75	11916936	12425917	4.27
Aroclor-1016 {4}	5.88	5.83	5.97	5224277	4672034	10.57
Aroclor-1016 {5}	6.06	6.01	6.15	4473652	4066069	9.11
Aroclor-1260	8.72	7.83	9.63	6599175	6263946	5.08
Aroclor-1260 {2}	9.13	8.24	10.04	7327432	6147348	16.11
Aroclor-1260 {3}	10.33	9.44	11.24	5703072	5178784	9.19
Aroclor-1260 {4}	10.84	9.95	11.75	11921380	11392443	4.44
Aroclor-1260 {5}	11.44	10.55	12.35	8425819	8079590	4.11
					Average %D	7.91

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-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): ~~RTX-CLP2~~ DB-1701 JB 11/15/12

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-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): ~~RTX-CLP2~~ DB-1701 P

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 WI NDOW 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 WI NDOW 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: 10/25/2012 **Instrument ID:** GC-Y

Data File: Y2867.D **GC Column (1st):** DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.28	3.21	3.35	1678911	1783651	6.24
Aroclor-1016 {2}	4.11	4.04	4.18	2250814	2271843	0.93
Aroclor-1016 {3}	4.66	4.59	4.73	2933845	3311221	12.86
Aroclor-1016 {4}	5.17	5.10	5.24	1537274	1664235	8.26
Aroclor-1016 {5}	5.56	5.49	5.63	2392769	2635925	10.16
Aroclor-1260	8.34	7.44	9.24	5910186	6972779	17.98
Aroclor-1260 {2}	9.01	8.12	9.92	2614835	2954285	12.98
Aroclor-1260 {3}	9.48	8.58	10.38	6615487	7610686	15.04
Aroclor-1260 {4}	9.97	9.07	10.87	3494959	4071088	16.48
Aroclor-1260 {5}	11.02	10.12	11.92	1546430	1721286	11.31
					Average %D	11.23

Data File: Y2867.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.77	3.70	3.84	506726	594643	17.35
Aroclor-1016 {2}	4.37	4.30	4.44	1040011	1160191	11.56
Aroclor-1016 {3}	5.12	5.05	5.19	2337308	2654632	13.58
Aroclor-1016 {4}	5.33	5.26	5.40	963197	1100534	14.26
Aroclor-1016 {5}	5.51	5.43	5.57	790183	886817	12.23
Aroclor-1260	7.86	6.96	8.76	815757	942774	15.57
Aroclor-1260 {2}	8.11	7.22	9.02	1200430	1396933	16.37
Aroclor-1260 {3}	9.70	8.81	10.61	1016332	1187657	16.86
Aroclor-1260 {4}	10.21	9.31	11.11	2266041	2626217	15.89
Aroclor-1260 {5}	10.80	9.90	11.70	1615337	1865814	15.51
					Average %D	14.92

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/25/2012 **Instrument ID:** GC-Y

Data File: Y2892.D **GC Column (1st):** DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.28	3.21	3.35	1678911	1626812	3.10
Aroclor-1016 {2}	4.11	4.04	4.18	2250814	2025730	10.00
Aroclor-1016 {3}	4.66	4.59	4.73	2933845	3008911	2.56
Aroclor-1016 {4}	5.17	5.10	5.24	1537274	1497243	2.60
Aroclor-1016 {5}	5.56	5.49	5.63	2392769	2374928	0.75
Aroclor-1260	8.34	7.44	9.24	5910186	6396755	8.23
Aroclor-1260 {2}	9.01	8.12	9.92	2614835	2414062	7.68
Aroclor-1260 {3}	9.49	8.58	10.38	6615487	6843847	3.45
Aroclor-1260 {4}	9.96	9.07	10.87	3494959	3751957	7.35
Aroclor-1260 {5}	11.02	10.12	11.92	1546430	1501521	2.90
					Average %D	4.86

Data File: Y2892.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.77	3.70	3.84	506726	549487	8.44
Aroclor-1016 {2}	4.37	4.30	4.44	1040011	1083892	4.22
Aroclor-1016 {3}	5.12	5.05	5.19	2337308	2472966	5.80
Aroclor-1016 {4}	5.33	5.26	5.40	963197	999698	3.79
Aroclor-1016 {5}	5.50	5.43	5.57	790183	813815	2.99
Aroclor-1260	7.86	6.96	8.76	815757	868583	6.48
Aroclor-1260 {2}	8.12	7.22	9.02	1200430	1325962	10.46
Aroclor-1260 {3}	9.70	8.81	10.61	1016332	1087721	7.02
Aroclor-1260 {4}	10.21	9.31	11.11	2266041	2596741	14.59
Aroclor-1260 {5}	10.80	9.90	11.70	1615337	1774954	9.88
					Average %D	7.37

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/25/2012 **Instrument ID:** GC-Y

Data File: Y2919.D **GC Column (1st):** DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.29	3.21	3.35	1678911	1753920	4.47
Aroclor-1016 {2}	4.11	4.04	4.18	2250814	2158364	4.11
Aroclor-1016 {3}	4.67	4.59	4.73	2933845	3266324	11.33
Aroclor-1016 {4}	5.17	5.10	5.24	1537274	1641276	6.77
Aroclor-1016 {5}	5.57	5.49	5.63	2392769	2602523	8.77
Aroclor-1260	8.34	7.44	9.24	5910186	6982388	18.14
Aroclor-1260 {2}	9.01	8.12	9.92	2614835	2824770	8.03
Aroclor-1260 {3}	9.49	8.58	10.38	6615487	7619554	15.18
Aroclor-1260 {4}	9.97	9.07	10.87	3494959	4047737	15.82
Aroclor-1260 {5}	11.03	10.12	11.92	1546430	1593526	3.05
					Average %D	9.56

Data File: Y2919.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.77	3.70	3.84	506726	556314	9.79
Aroclor-1016 {2}	4.37	4.30	4.44	1040011	1188923	14.32
Aroclor-1016 {3}	5.12	5.05	5.19	2337308	2731478	16.86
Aroclor-1016 {4}	5.33	5.26	5.40	963197	1104047	14.62
Aroclor-1016 {5}	5.51	5.43	5.57	790183	909241	15.07
Aroclor-1260	7.86	6.96	8.76	815757	929161	13.90
Aroclor-1260 {2}	8.12	7.22	9.02	1200430	1395708	16.27
Aroclor-1260 {3}	9.71	8.81	10.61	1016332	1184961	16.59
Aroclor-1260 {4}	10.21	9.31	11.11	2266041	2657281	17.27
Aroclor-1260 {5}	10.80	9.90	11.70	1615337	1866078	15.52
					Average %D	15.02

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/25/2012 **Instrument ID:** GC-Y

Data File: Y2928.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	1752054	4.36
Aroclor-1016 {2}	4.11	4.04	4.18	2250814	2165976	3.77
Aroclor-1016 {3}	4.67	4.59	4.73	2933845	3240395	10.45
Aroclor-1016 {4}	5.17	5.10	5.24	1537274	1648799	7.25
Aroclor-1016 {5}	5.57	5.49	5.63	2392769	2579467	7.80
Aroclor-1260	8.34	7.44	9.24	5910186	6886045	16.51
Aroclor-1260 {2}	9.01	8.12	9.92	2614835	2746333	5.03
Aroclor-1260 {3}	9.49	8.58	10.38	6615487	7657237	15.75
Aroclor-1260 {4}	9.97	9.07	10.87	3494959	3964228	13.43
Aroclor-1260 {5}	11.02	10.12	11.92	1546430	1652716	6.87
					Average %D	9.12

Data File: Y2928.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	601040	18.61
Aroclor-1016 {2}	4.37	4.30	4.44	1040011	1180805	13.54
Aroclor-1016 {3}	5.12	5.05	5.19	2337308	2696530	15.37
Aroclor-1016 {4}	5.33	5.26	5.40	963197	1097163	13.91
Aroclor-1016 {5}	5.51	5.43	5.57	790183	898462	13.70
Aroclor-1260	7.86	6.96	8.76	815757	958130	17.45
Aroclor-1260 {2}	8.12	7.22	9.02	1200430	1369714	14.10
Aroclor-1260 {3}	9.71	8.81	10.61	1016332	1092194	7.46
Aroclor-1260 {4}	10.21	9.31	11.11	2266041	2695729	18.96
Aroclor-1260 {5}	10.80	9.90	11.70	1615337	1878592	16.30
					Average %D	14.94

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/25/2012 **Instrument ID:** GC-Y

Data File: Y2893.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	1693251	0.85
Aroclor-1016 {2}	4.11	4.04	4.18	2250814	2132121	5.27
Aroclor-1016 {3}	4.67	4.59	4.73	2933845	3157251	7.61
Aroclor-1016 {4}	5.17	5.10	5.24	1537274	1569788	2.12
Aroclor-1016 {5}	5.56	5.49	5.63	2392769	2500959	4.52
Aroclor-1260	8.34	7.44	9.24	5910186	6753509	14.27
Aroclor-1260 {2}	9.01	8.12	9.92	2614835	2734912	4.59
Aroclor-1260 {3}	9.49	8.58	10.38	6615487	7753336	17.20
Aroclor-1260 {4}	9.97	9.07	10.87	3494959	4083562	16.84
Aroclor-1260 {5}	11.03	10.12	11.92	1546430	1633225	5.61
					Average %D	7.89

Data File: Y2893.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	576687	13.81
Aroclor-1016 {2}	4.37	4.30	4.44	1040011	1132084	8.85
Aroclor-1016 {3}	5.12	5.05	5.19	2337308	2606837	11.53
Aroclor-1016 {4}	5.33	5.26	5.40	963197	1062174	10.28
Aroclor-1016 {5}	5.50	5.43	5.57	790183	860715	8.93
Aroclor-1260	7.86	6.96	8.76	815757	927346	13.68
Aroclor-1260 {2}	8.12	7.22	9.02	1200430	1399209	16.56
Aroclor-1260 {3}	9.70	8.81	10.61	1016332	1179889	16.09
Aroclor-1260 {4}	10.21	9.31	11.11	2266041	2595156	14.52
Aroclor-1260 {5}	10.80	9.90	11.70	1615337	1822784	12.84
					Average %D	12.71

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/25/2012 **Instrument ID:** GC-Y

Data File: Y2918.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	1702774	1.42
Aroclor-1016 {2}	4.11	4.04	4.18	2250814	2128550	5.43
Aroclor-1016 {3}	4.67	4.59	4.73	2933845	3172979	8.15
Aroclor-1016 {4}	5.17	5.10	5.24	1537274	1586129	3.18
Aroclor-1016 {5}	5.57	5.49	5.63	2392769	2518406	5.25
Aroclor-1260	8.34	7.44	9.24	5910186	6954224	17.67
Aroclor-1260 {2}	9.01	8.12	9.92	2614835	2775114	6.13
Aroclor-1260 {3}	9.49	8.58	10.38	6615487	7251163	9.61
Aroclor-1260 {4}	9.97	9.07	10.87	3494959	3963733	13.41
Aroclor-1260 {5}	11.02	10.12	11.92	1546430	1474955	4.62
					Average %D	7.49

Data File: Y2918.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	590384	16.51
Aroclor-1016 {2}	4.37	4.30	4.44	1040011	1160653	11.60
Aroclor-1016 {3}	5.12	5.05	5.19	2337308	2658038	13.72
Aroclor-1016 {4}	5.33	5.26	5.40	963197	1079980	12.12
Aroclor-1016 {5}	5.51	5.43	5.57	790183	879075	11.25
Aroclor-1260	7.86	6.96	8.76	815757	956308	17.23
Aroclor-1260 {2}	8.12	7.22	9.02	1200430	1419716	18.27
Aroclor-1260 {3}	9.71	8.81	10.61	1016332	1167561	14.88
Aroclor-1260 {4}	10.21	9.31	11.11	2266041	2576854	13.72
Aroclor-1260 {5}	10.80	9.90	11.70	1615337	1861509	15.24
					Average %D	14.45

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/25/2012 **Instrument ID:** GC-Y

Data File: Y2919.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	1753920	4.47
Aroclor-1016 {2}	4.11	4.04	4.18	2250814	2158364	4.11
Aroclor-1016 {3}	4.67	4.59	4.73	2933845	3266324	11.33
Aroclor-1016 {4}	5.17	5.10	5.24	1537274	1641276	6.77
Aroclor-1016 {5}	5.57	5.49	5.63	2392769	2602523	8.77
Aroclor-1260	8.34	7.44	9.24	5910186	6982388	18.14
Aroclor-1260 {2}	9.01	8.12	9.92	2614835	2824770	8.03
Aroclor-1260 {3}	9.49	8.58	10.38	6615487	7619554	15.18
Aroclor-1260 {4}	9.97	9.07	10.87	3494959	4047737	15.82
Aroclor-1260 {5}	11.03	10.12	11.92	1546430	1593526	3.05
					Average %D	9.56

Data File: Y2919.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	556314	9.79
Aroclor-1016 {2}	4.37	4.30	4.44	1040011	1188923	14.32
Aroclor-1016 {3}	5.12	5.05	5.19	2337308	2731478	16.86
Aroclor-1016 {4}	5.33	5.26	5.40	963197	1104047	14.62
Aroclor-1016 {5}	5.51	5.43	5.57	790183	909241	15.07
Aroclor-1260	7.86	6.96	8.76	815757	929161	13.90
Aroclor-1260 {2}	8.12	7.22	9.02	1200430	1395708	16.27
Aroclor-1260 {3}	9.71	8.81	10.61	1016332	1184961	16.59
Aroclor-1260 {4}	10.21	9.31	11.11	2266041	2657281	17.27
Aroclor-1260 {5}	10.80	9.90	11.70	1615337	1866078	15.52
					Average %D	15.02

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/25/2012 **Instrument ID:** GC-Y

Data File: Y2928.D **GC Column (1st):** DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.28	3.21	3.35	1678911	1752054	4.36
Aroclor-1016 {2}	4.11	4.04	4.18	2250814	2165976	3.77
Aroclor-1016 {3}	4.67	4.59	4.73	2933845	3240395	10.45
Aroclor-1016 {4}	5.17	5.10	5.24	1537274	1648799	7.25
Aroclor-1016 {5}	5.57	5.49	5.63	2392769	2579467	7.80
Aroclor-1260	8.34	7.44	9.24	5910186	6886045	16.51
Aroclor-1260 {2}	9.01	8.12	9.92	2614835	2746333	5.03
Aroclor-1260 {3}	9.49	8.58	10.38	6615487	7657237	15.75
Aroclor-1260 {4}	9.97	9.07	10.87	3494959	3964228	13.43
Aroclor-1260 {5}	11.02	10.12	11.92	1546430	1652716	6.87
					Average %D	9.12

Data File: Y2928.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.77	3.70	3.84	506726	601040	18.61
Aroclor-1016 {2}	4.37	4.30	4.44	1040011	1180805	13.54
Aroclor-1016 {3}	5.12	5.05	5.19	2337308	2696530	15.37
Aroclor-1016 {4}	5.33	5.26	5.40	963197	1097163	13.91
Aroclor-1016 {5}	5.51	5.43	5.57	790183	898462	13.70
Aroclor-1260	7.86	6.96	8.76	815757	958130	17.45
Aroclor-1260 {2}	8.12	7.22	9.02	1200430	1369714	14.10
Aroclor-1260 {3}	9.71	8.81	10.61	1016332	1092194	7.46
Aroclor-1260 {4}	10.21	9.31	11.11	2266041	2695729	18.96
Aroclor-1260 {5}	10.80	9.90	11.70	1615337	1878592	16.30
					Average %D	14.94

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

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 WINDOW 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 WINDOW 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: 10/25/2012 **Instrument ID:** GC-R

Data File: R4690.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	RT WI NDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.98	3.91	4.05	2961826	2792722	5.71
Aroclor-1016 {2}	4.87	4.80	4.94	3618819	3483508	3.74
Aroclor-1016 {3}	5.46	5.39	5.53	5383146	5076859	5.69
Aroclor-1016 {4}	5.99	5.92	6.06	2467741	2585345	4.77
Aroclor-1016 {5}	6.40	6.33	6.47	4408302	4255291	3.47
Aroclor-1260	9.26	8.35	10.15	12223794	11943727	2.29
Aroclor-1260 {2}	9.94	9.04	10.84	6031022	6596061	9.37
Aroclor-1260 {3}	10.42	9.52	11.32	17841062	19631740	10.04
Aroclor-1260 {4}	10.92	10.01	11.81	7706495	9024630	17.10
Aroclor-1260 {5}	11.99	11.09	12.89	3308813	3078433	6.96
					Average %D	6.91

Data File: R4690.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	RT WI NDOW TO	Avg CF	CC CF	%D
Aroclor-1016	4.28	4.21	4.35	3018051	2891460	4.19
Aroclor-1016 {2}	4.90	4.83	4.97	5981759	5617348	6.09
Aroclor-1016 {3}	5.67	5.60	5.74	13269021	12079280	8.97
Aroclor-1016 {4}	5.89	5.82	5.96	4960197	4841587	2.39
Aroclor-1016 {5}	6.07	6.00	6.14	4281211	3984366	6.93
Aroclor-1260	8.72	7.82	9.62	6491224	6663732	2.66
Aroclor-1260 {2}	9.13	8.23	10.03	7115152	6810025	4.29
Aroclor-1260 {3}	10.33	9.43	11.23	5090426	5677596	11.53
Aroclor-1260 {4}	10.84	9.94	11.74	10796392	12183872	12.85
Aroclor-1260 {5}	11.44	10.54	12.34	7397434	8636044	16.74
					Average %D	7.67

AROCLOR CALIBRATION VERIFICATION SUMMARY

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

Data File: R4715.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	2690221	9.17
Aroclor-1016 {2}	4.88	4.80	4.94	3618819	3482578	3.76
Aroclor-1016 {3}	5.46	5.39	5.53	5383146	4817127	10.51
Aroclor-1016 {4}	5.99	5.92	6.06	2467741	2463756	0.16
Aroclor-1016 {5}	6.40	6.33	6.47	4408302	4032044	8.54
Aroclor-1260	9.26	8.35	10.15	12223794	12754746	4.34
Aroclor-1260 {2}	9.94	9.04	10.84	6031022	6929019	14.89
Aroclor-1260 {3}	10.42	9.52	11.32	17841062	20651387	15.75
Aroclor-1260 {4}	10.91	10.01	11.81	7706495	8251156	7.07
Aroclor-1260 {5}	11.99	11.09	12.89	3308813	3286958	0.66
					Average %D	7.49

Data File: R4715.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	2729342	9.57
Aroclor-1016 {2}	4.90	4.83	4.97	5981759	5288882	11.58
Aroclor-1016 {3}	5.67	5.60	5.74	13269021	11379816	14.24
Aroclor-1016 {4}	5.89	5.82	5.96	4960197	4526086	8.75
Aroclor-1016 {5}	6.07	6.00	6.14	4281211	3730497	12.86
Aroclor-1260	8.72	7.82	9.62	6491224	6131051	5.55
Aroclor-1260 {2}	9.13	8.23	10.03	7115152	6312943	11.27
Aroclor-1260 {3}	10.33	9.43	11.23	5090426	5194148	2.04
Aroclor-1260 {4}	10.84	9.94	11.74	10796392	11548817	6.97
Aroclor-1260 {5}	11.44	10.54	12.34	7397434	8120348	9.77
					Average %D	9.26

AROCLOR CALIBRATION VERIFICATION SUMMARY

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

Data File: R4742.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	2936942	0.84
Aroclor-1016 {2}	4.88	4.80	4.94	3618819	3782413	4.52
Aroclor-1016 {3}	5.47	5.39	5.53	5383146	5523933	2.62
Aroclor-1016 {4}	6.00	5.92	6.06	2467741	2676497	8.46
Aroclor-1016 {5}	6.41	6.33	6.47	4408302	4596860	4.28
Aroclor-1260	9.26	8.35	10.15	12223794	14450653	18.22
Aroclor-1260 {2}	9.95	9.04	10.84	6031022	6966237	15.51
Aroclor-1260 {3}	10.43	9.52	11.32	17841062	21074813	18.13
Aroclor-1260 {4}	10.92	10.01	11.81	7706495	8421517	9.28
Aroclor-1260 {5}	11.99	11.09	12.89	3308813	3317727	0.27
					Average %D	8.21

Data File: R4742.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	3090206	2.39
Aroclor-1016 {2}	4.91	4.83	4.97	5981759	6151729	2.84
Aroclor-1016 {3}	5.69	5.60	5.74	13269021	13591150	2.43
Aroclor-1016 {4}	5.90	5.82	5.96	4960197	5678593	14.48
Aroclor-1016 {5}	6.08	6.00	6.14	4281211	4568137	6.70
Aroclor-1260	8.73	7.82	9.62	6491224	6711291	3.39
Aroclor-1260 {2}	9.14	8.23	10.03	7115152	7318942	2.86
Aroclor-1260 {3}	10.34	9.43	11.23	5090426	5740674	12.77
Aroclor-1260 {4}	10.85	9.94	11.74	10796392	11122158	3.02
Aroclor-1260 {5}	11.45	10.54	12.34	7397434	7611791	2.90
					Average %D	5.38

AROCLOR CALIBRATION VERIFICATION SUMMARY

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

Data File: R4747.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	2932124	1.00
Aroclor-1016 {2}	4.88	4.80	4.94	3618819	3429263	5.24
Aroclor-1016 {3}	5.46	5.39	5.53	5383146	5484095	1.88
Aroclor-1016 {4}	5.99	5.92	6.06	2467741	2728764	10.58
Aroclor-1016 {5}	6.41	6.33	6.47	4408302	4600325	4.36
Aroclor-1260	9.26	8.35	10.15	12223794	14504499	18.66
Aroclor-1260 {2}	9.94	9.04	10.84	6031022	7014854	16.31
Aroclor-1260 {3}	10.42	9.52	11.32	17841062	21149801	18.55
Aroclor-1260 {4}	10.92	10.01	11.81	7706495	8547696	10.92
Aroclor-1260 {5}	11.99	11.09	12.89	3308813	3427380	3.58
					Average %D	9.11

Data File: R4747.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	3103649	2.84
Aroclor-1016 {2}	4.90	4.83	4.97	5981759	6126126	2.41
Aroclor-1016 {3}	5.67	5.60	5.74	13269021	13555506	2.16
Aroclor-1016 {4}	5.89	5.82	5.96	4960197	5511771	11.12
Aroclor-1016 {5}	6.07	6.00	6.14	4281211	4565714	6.65
Aroclor-1260	8.72	7.82	9.62	6491224	6860781	5.69
Aroclor-1260 {2}	9.13	8.23	10.03	7115152	7222462	1.51
Aroclor-1260 {3}	10.33	9.43	11.23	5090426	5766420	13.28
Aroclor-1260 {4}	10.84	9.94	11.74	10796392	12364764	14.53
Aroclor-1260 {5}	11.44	10.54	12.34	7397434	8619887	16.53
					Average %D	7.67

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 11/10/2012 **Instrument ID:** GC-R

Data File: R4952.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	3247134	9.63
Aroclor-1016 {2}	4.88	4.80	4.94	3618819	3549895	1.90
Aroclor-1016 {3}	5.47	5.39	5.53	5383146	5668773	5.31
Aroclor-1016 {4}	6.00	5.92	6.06	2467741	2676863	8.47
Aroclor-1016 {5}	6.42	6.33	6.47	4408302	4496901	2.01
Aroclor-1260	9.27	8.35	10.15	12223794	12534114	2.54
Aroclor-1260 {2}	9.95	9.04	10.84	6031022	5341831	11.43
Aroclor-1260 {3}	10.43	9.52	11.32	17841062	15561593	12.78
Aroclor-1260 {4}	10.93	10.01	11.81	7706495	6469581	16.05
Aroclor-1260 {5}	12.00	11.09	12.89	3308813	2935931	11.27
					Average %D	8.14

Data File: R4952.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	3298462	9.29
Aroclor-1016 {2}	4.92	4.83	4.97	5981759	6779415	13.33
Aroclor-1016 {3}	5.69	5.60	5.74	13269021	14921300	12.45
Aroclor-1016 {4}	5.90	5.82	5.96	4960197	5483012	10.54
Aroclor-1016 {5}	6.08	6.00	6.14	4281211	4855350	13.41
Aroclor-1260	8.74	7.82	9.62	6491224	7284132	12.22
Aroclor-1260 {2}	9.14	8.23	10.03	7115152	6988191	1.78
Aroclor-1260 {3}	10.35	9.43	11.23	5090426	5600529	10.02
Aroclor-1260 {4}	10.85	9.94	11.74	10796392	11343532	5.07
Aroclor-1260 {5}	11.45	10.54	12.34	7397434	7815666	5.65
					Average %D	9.38

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 11/10/2012 **Instrument ID:** GC-R

Data File: R4959.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	3050797	3.00
Aroclor-1016 {2}	4.88	4.80	4.94	3618819	4054675	12.04
Aroclor-1016 {3}	5.47	5.39	5.53	5383146	5570388	3.48
Aroclor-1016 {4}	6.00	5.92	6.06	2467741	2654990	7.59
Aroclor-1016 {5}	6.41	6.33	6.47	4408302	4454380	1.05
Aroclor-1260	9.26	8.35	10.15	12223794	13554595	10.89
Aroclor-1260 {2}	9.95	9.04	10.84	6031022	5876761	2.56
Aroclor-1260 {3}	10.43	9.52	11.32	17841062	16720161	6.28
Aroclor-1260 {4}	10.92	10.01	11.81	7706495	7201553	6.55
Aroclor-1260 {5}	12.00	11.09	12.89	3308813	3032587	8.35
					Average %D	6.18

Data File: R4959.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	3416520	13.20
Aroclor-1016 {2}	4.90	4.83	4.97	5981759	6435580	7.59
Aroclor-1016 {3}	5.68	5.60	5.74	13269021	14238147	7.30
Aroclor-1016 {4}	5.89	5.82	5.96	4960197	5641059	13.73
Aroclor-1016 {5}	6.07	6.00	6.14	4281211	4814345	12.45
Aroclor-1260	8.72	7.82	9.62	6491224	7313495	12.67
Aroclor-1260 {2}	9.13	8.23	10.03	7115152	8149088	14.53
Aroclor-1260 {3}	10.33	9.43	11.23	5090426	5744549	12.85
Aroclor-1260 {4}	10.84	9.94	11.74	10796392	11478486	6.32
Aroclor-1260 {5}	11.44	10.54	12.34	7397434	7787398	5.27
					Average %D	10.59

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

GC Column (2nd): ~~RTX-CLP2~~ DB-1701P 11/10/12

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

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 11/07/2012

Instrument ID: GC-Y

GC Column (2nd): ~~RTX-CLP2~~ 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-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 WI NDOW 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 WI NDOW 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-R **Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 3.47 **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	BLKS121019-09	10/24/2012	18:36	3.47		13.10		3.38		13.14	
H-29(5.0-5	10545-047	10/24/2012	18:53	3.47		13.10		3.38		13.14	
H-29(5.5-6	10545-048	10/24/2012	19:11	3.48		13.10		3.38		13.14	
FF-36(3.0-	10545-051	10/24/2012	20:03	3.47		13.10		3.38		13.14	
FF-36(4.0-	10545-052	10/24/2012	20:20	3.48		13.10		3.38		13.14	
FF-36(5.0-	10545-053	10/24/2012	20:38	3.48		13.10		3.38		13.14	
S-35(0-2.0	10545-054	10/24/2012	20:55	3.48		13.10		3.38		13.14	
S-35(2.0-4	10545-055	10/24/2012	21:12	3.48		13.10		3.38		13.14	
S-35(4.0-5	10545-056	10/24/2012	21:30	3.47		13.10		3.38		13.14	
S-35(5.0-6	10545-057	10/24/2012	21:47	3.47		13.10		3.37		13.14	
S-34(0-2.0	10574-001	10/24/2012	22:05	3.48		13.10		3.39		13.14	
S-34(2.0-4	10574-002	10/24/2012	22:22	3.48		13.10		3.38		13.14	
S-34(4.0-5	10574-003	10/24/2012	22:39	3.47		13.10		3.37		13.14	
S-34(5.0-5	10574-004	10/24/2012	22:57	3.47		13.10		3.38		13.14	
S-34(5.5-6	10574-005	10/24/2012	23:14	3.48		13.10		3.38		13.14	
S-33(0-2.0	10574-006	10/24/2012	23:31	3.47		13.10		3.37		13.14	
S-33(2.0-4	10574-007	10/24/2012	23:49	3.48		13.10		3.38		13.14	
S-33(4.0-5	10574-008	10/25/2012	00:06	3.48		13.10		3.38		13.14	
S-33(5.0-5	10574-009	10/25/2012	00:24	3.48		13.10		3.38		13.14	
PCB	10574-007MS	10/25/2012	00:41	3.47		13.10		3.38		13.14	
PCB	10574-007MSD	10/25/2012	00:58	3.48		13.10		3.38		13.14	
PCB	LCSS121019-09	10/25/2012	01:16	3.48		13.10		3.38		13.14	
FF-36(0-2.	10545-049	10/25/2012	09:28	0.00	D	0.00	D	0.00	D	0.00	D
FF-36(2.0-	10545-050	10/25/2012	09:45	0.00	D	0.00	D	0.00	D	0.00	D

Surrogate QC Limits

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

DCB = Decachlorobiphenyl (± 0.10 Minutes)

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

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-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	BLKS121022-03	10/25/2012	02:31	2.82		12.11		2.90		12.48	
GS-1	10600-001	10/25/2012	02:48	2.82		12.10		2.90		12.48	
S-33(5.5-6	10574-010	10/25/2012	03:05	2.82		12.11		2.91		12.48	
R-33(0-2.0	10574-011	10/25/2012	03:22	2.82		12.10		2.90		12.48	
R-33(2.0-4	10574-012	10/25/2012	03:40	2.82		12.11		2.90		12.48	
R-33(4.0-5	10574-013	10/25/2012	03:57	2.82		12.11		2.90		12.48	
R-33(5.0-6	10574-014	10/25/2012	04:14	2.82		12.11		2.90		12.48	
R-35(2.0-4	10574-016	10/25/2012	04:48	2.82		12.10		2.90		12.48	
R-35(4.0-5	10574-017	10/25/2012	05:05	2.82		12.10		2.91		12.48	
R-35(5.0-5	10574-018	10/25/2012	05:23	2.82		12.10		2.90		12.48	
R-35(5.5-6	10574-019	10/25/2012	05:40	2.82		12.11		2.91		12.48	
R-34(0-2.0	10574-020	10/25/2012	05:57	2.82		12.11		2.90		12.48	
R-34(2.0-4	10574-021	10/25/2012	06:14	2.82		12.11		2.90		12.48	
R-34(4.0-5	10574-022	10/25/2012	06:31	2.82		12.11		2.90		12.48	
R-34(5.0-6	10574-023	10/25/2012	06:48	2.82		12.10		2.90		12.48	
T-34(0-2.0	10574-024	10/25/2012	07:05	2.82		12.11		2.90		12.48	
T-34(2.0-4	10574-025	10/25/2012	07:23	2.82		12.10		2.91		12.48	
T-34(4.0-5	10574-026	10/25/2012	07:40	2.82		12.11		2.90		12.48	
T-34(5.0-6	10574-027	10/25/2012	07:57	2.82		12.10		2.90		12.48	
T-33(0-2.0	10574-028	10/25/2012	08:14	2.82		12.11		2.90		12.48	
PCB	10574-028MS	10/25/2012	08:31	2.82		12.10		2.90		12.47	
PCB	10574-028MSD	10/25/2012	08:49	2.82		12.10		2.91		12.48	
R-35(0-2.0	10574-015	10/25/2012	21:22	2.82		12.11		2.91		12.48	
PCB	LCSS121022-03	10/25/2012	21:39	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 2.82 **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	BLKS121022-04	10/25/2012	09:57	2.82		12.11		2.90		12.48	
T-33(2.0-4	10574-029	10/25/2012	10:14	2.82		12.10		2.90		12.47	
T-33(5.0-5	10574-031	10/25/2012	10:49	2.82		12.11		2.90		12.48	
T-33(5.5-6	10574-032	10/25/2012	12:29	2.82		12.11		2.91		12.49	
U-33(2.0-4	10574-034	10/25/2012	13:04	2.82		12.11		2.91		12.48	
U-33(4.0-5	10574-035	10/25/2012	13:21	2.82		12.11		2.91		12.48	
U-33(5.0-5	10574-036	10/25/2012	13:38	2.82		12.11		2.91		12.48	
U-33(5.5-6	10574-037	10/25/2012	13:55	2.82		12.11		2.91		12.48	
U-34(0-2.0	10574-038	10/25/2012	14:12	2.82		12.10		2.91		12.48	
U-34(2.0-4	10574-039	10/25/2012	14:29	2.82		12.11		2.91		12.48	
U-34(4.0-5	10574-040	10/25/2012	14:47	2.82		12.11		2.91		12.48	
U-34(5.0-6	10574-041	10/25/2012	15:04	2.82		12.11		2.91		12.48	
Y-29(0-2.0	10574-042	10/25/2012	15:21	2.82		12.11		2.90		12.48	
Y-29(2.0-2	10574-043	10/25/2012	15:38	2.82		12.11		2.90		12.48	
Y-29(2.5-4	10574-044	10/25/2012	15:55	2.82		12.10		2.90		12.48	
Y-29(4.0-6	10574-045	10/25/2012	16:13	2.82		12.10		2.91		12.48	
Z-29(2.0-4	10574-047	10/25/2012	17:04	2.82		12.11		2.91		12.48	
Z-29(4.0-5	10574-048	10/25/2012	17:56	2.82		12.11		2.91		12.48	
PCB	10574-048MS	10/25/2012	18:30	2.82		12.11		2.91		12.49	
PCB	10574-048MSD	10/25/2012	18:48	2.82		12.11		2.91		12.48	
PCB	LCSS121022-04	10/25/2012	19:05	2.82		12.11		2.91		12.48	
T-33(4.0-5	10574-030	10/25/2012	21:57	2.82		12.11		2.91		12.48	
U-33(0-2.0	10574-033	10/25/2012	22:14	2.82		12.11		2.91		12.48	
Z-29(0-2.0	10574-046	10/25/2012	22:31	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-R **Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 3.47 **DCB 1** 13.10 **TCMX 2** 3.37 **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	BLKS121023-03	10/25/2012	20:34	3.47		13.10		3.37		13.14	
Z-29(5.0-6	10574-049	10/25/2012	20:52	3.48		13.10		3.38		13.14	
S-209	10617-001	10/25/2012	21:09	3.47		13.10		3.37		13.14	
S-210	10617-002	10/25/2012	21:26	3.47		13.10		3.38		13.14	
S-211	10617-003	10/25/2012	21:44	3.47		13.10		3.38		13.14	
L-19_(1.0-	10655-002	10/25/2012	22:18	3.47		13.10		3.38		13.14	
L-19_(4.0-	10655-004	10/25/2012	22:53	3.48		13.10		3.38		13.14	
L-18_(0-2.	10655-005	10/25/2012	23:11	3.47		13.10		3.38		13.14	
L-18_(2.0-	10655-006	10/25/2012	23:28	3.47		13.10		3.38		13.14	
L-18_(4.0-	10655-007	10/25/2012	23:45	3.48		13.10		3.38		13.14	
L-18_(5.0-	10655-008	10/26/2012	00:03	3.48		13.10		3.38		13.14	
M-17_(2.0-	10655-010	10/26/2012	00:37	3.48		13.10		3.38		13.14	
M-17_(4.0-	10655-011	10/26/2012	00:55	3.48		13.10		3.38		13.14	
M-17_(4.5-	10655-012	10/26/2012	01:12	3.48		13.10		3.38		13.14	
M-17_(5.25	10655-013	10/26/2012	01:30	3.48		13.10		3.38		13.14	
M-18_(2.0-	10655-015	10/26/2012	02:05	3.48		13.10		3.38		13.14	
M-18_(4.0-	10655-016	10/26/2012	02:22	3.48		13.10		3.38		13.14	
PCB	10655-016MS	10/26/2012	02:39	3.48		13.10		3.38		13.14	
PCB	10655-016MSD	10/26/2012	02:57	3.48		13.10		3.38		13.14	
PCB	LCSS121023-03	10/26/2012	03:14	3.48		13.10		3.38		13.14	
L-19_(2.0-	10655-003	10/26/2012	17:20	3.48		13.10		3.38		13.14	
M-18_(0-2.	10655-014	10/26/2012	17:54	3.48		13.10		3.38		13.14	
L-19_(0-1.	10655-001	11/10/2012	15:04	3.48		13.11		3.38		13.15	
M-17_(0-2.	10655-009	11/10/2012	15:21	3.48		13.10		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\10-24-12\
Data File : R4658.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 22:05
Operator : YG
Sample : S-34(0-2.0,10574-001,S,5.20g,9.20,10/19/12,4
Misc : 121019-09,10/18/12,10/18/12,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:30:52 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 15:14:37 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	3.39	30055.2E6	36938.2E6	185.395	250.493 #
Spiked Amount 200.000			Recovery	=	92.70%	125.25%
2) S DCB	13.10	13.14	10166.7E6	6752.6E6	200.007	182.773
Spiked Amount 200.000			Recovery	=	100.00%	91.39%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

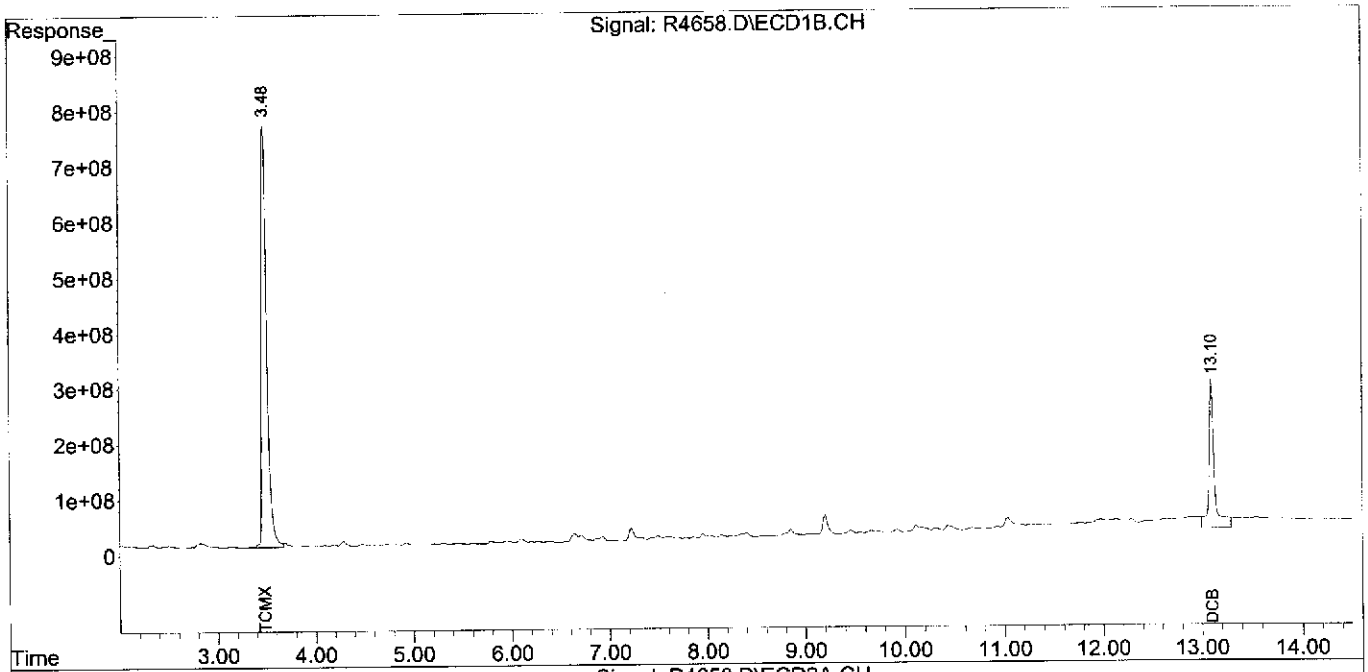
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

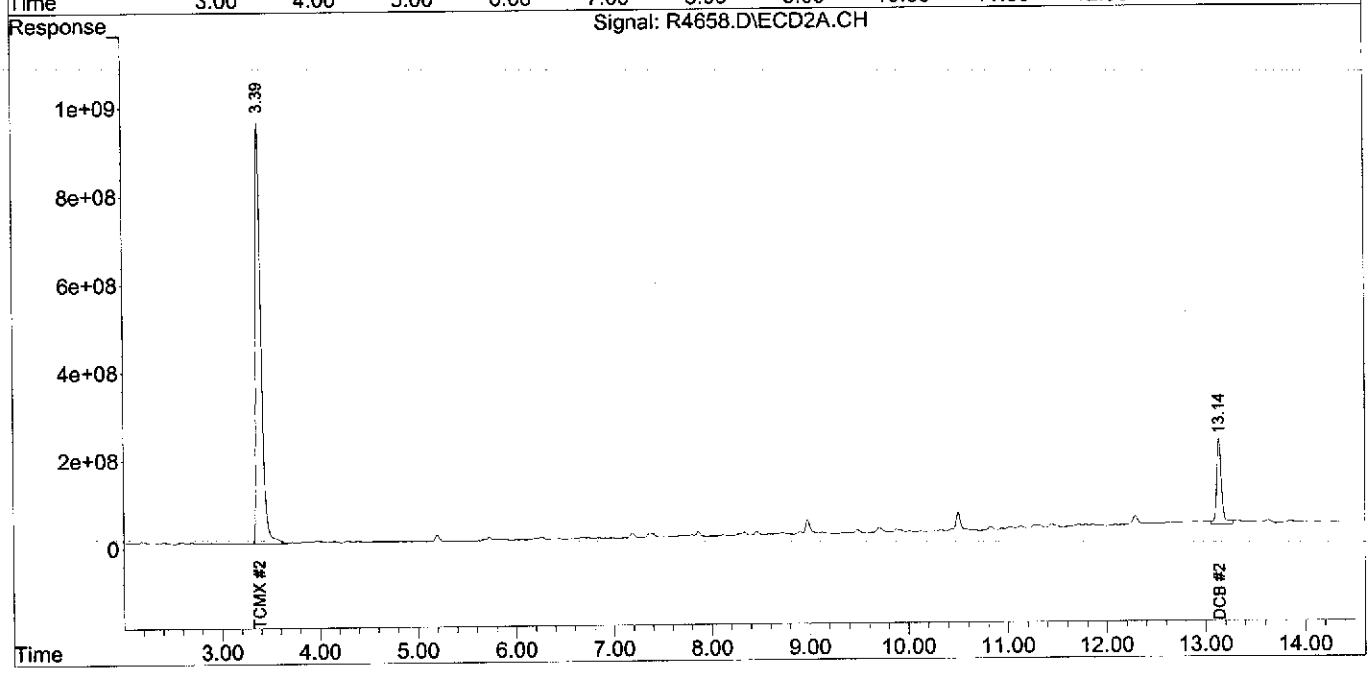
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : R4658.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 22:05
Operator : YG
Sample : S-34(0-2.0,10574-001,S,5.20g,9.20,10/19/12,4
Misc : 121019-09,10/18/12,10/18/12,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:30:52 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 15:14:37 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\10-24-12\
Data File : R4659.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 22:22
Operator : YG
Sample : S-34(2.0-4,10574-002,S,5.18g,13.0,10/19/12,4
Misc : 121019-09,10/18/12,10/18/12,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:31:59 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 15:14:37 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	35490.9E6	40101.0E6	218.926	271.941
Spiked Amount 200.000			Recovery	=	109.46%	135.97%
2) S DCB	13.10	13.14	7498.5E6	6586.6E6	147.516m	178.280m
Spiked Amount 200.000			Recovery	=	73.76%	89.14%
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

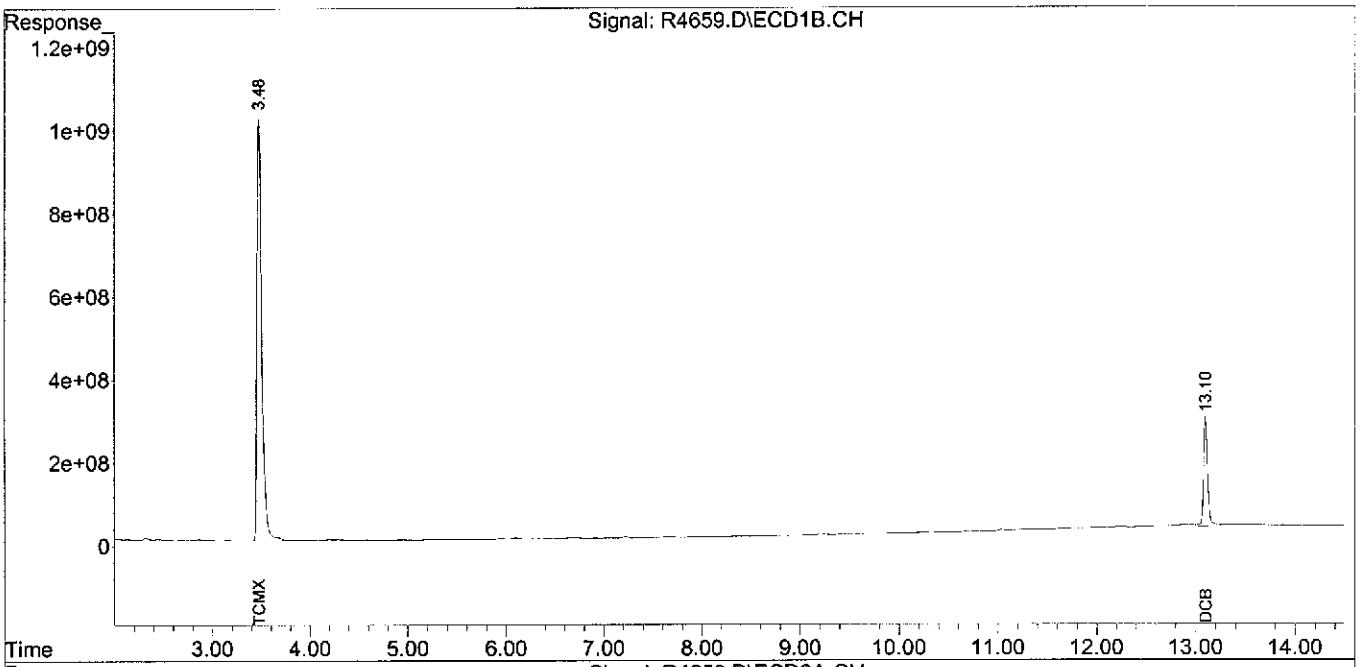
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

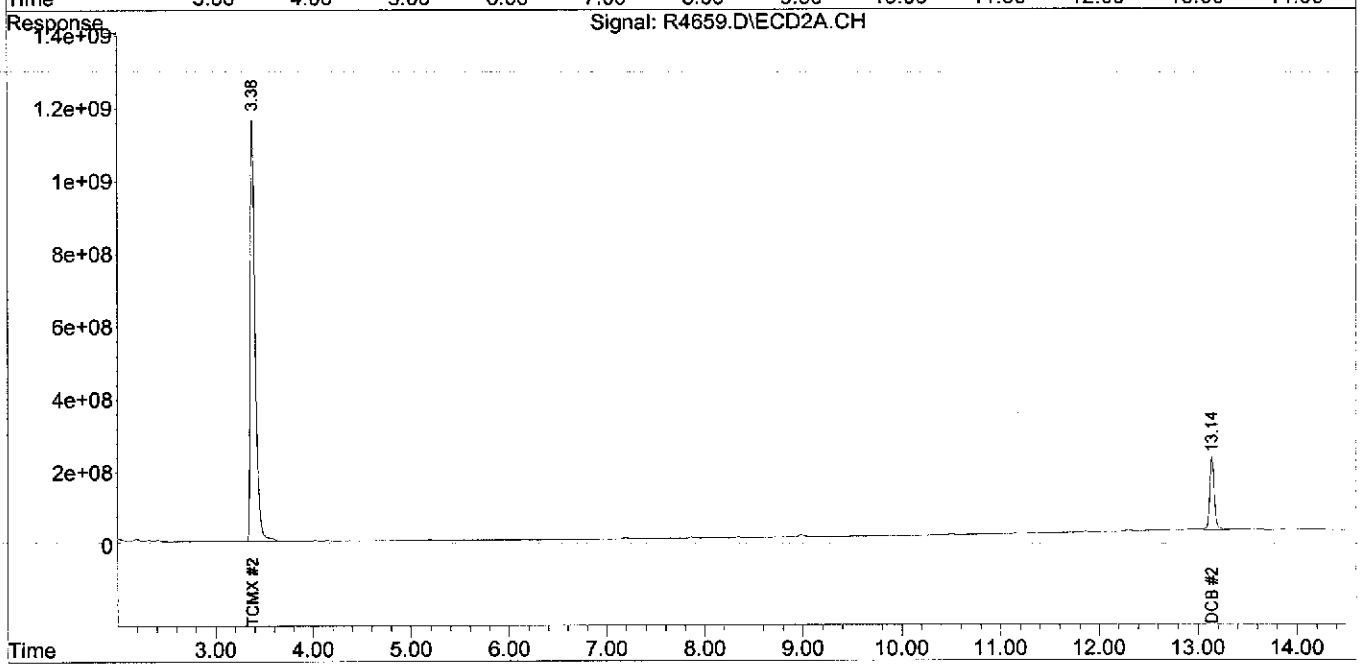
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : R4659.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 22:22
Operator : YG
Sample : S-34(2.0-4,10574-002,S,5.18g,13.0,10/19/12,4
Misc : 121019-09,10/18/12,10/18/12,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:31:59 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 15:14:37 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 : R4660.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 22:39
Operator : YG
Sample : S-34(4.0-5,10574-003,S,5.41g,19.3,10/19/12,4
Misc : 121019-09,10/18/12,10/18/12,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:32:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 15:14:37 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	3.47	3.37	37446.1E6	41672.8E6	230.987	282.600
Spiked Amount 200.000			Recovery	=	115.49%	141.30%
2) S DCB	13.10	13.14	6539.5E6	6544.8E6	128.650m	177.150m#
Spiked Amount 200.000			Recovery	=	64.33%	88.58%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

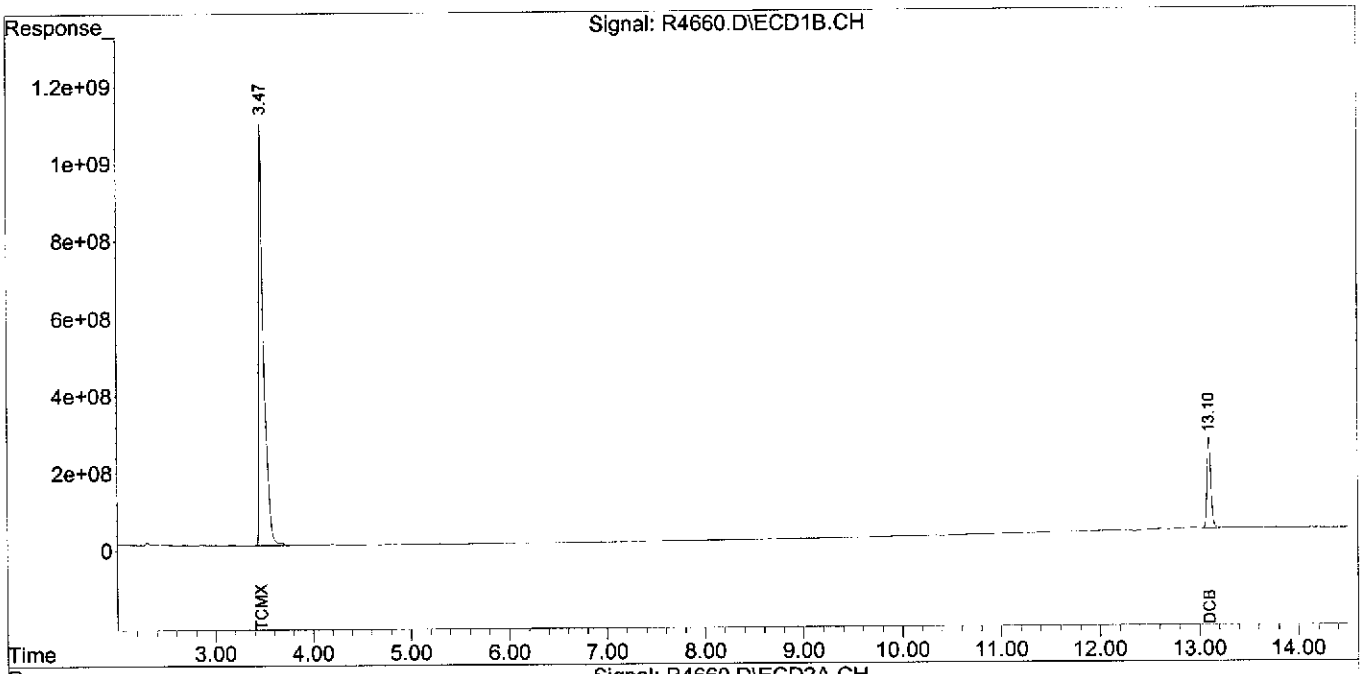
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

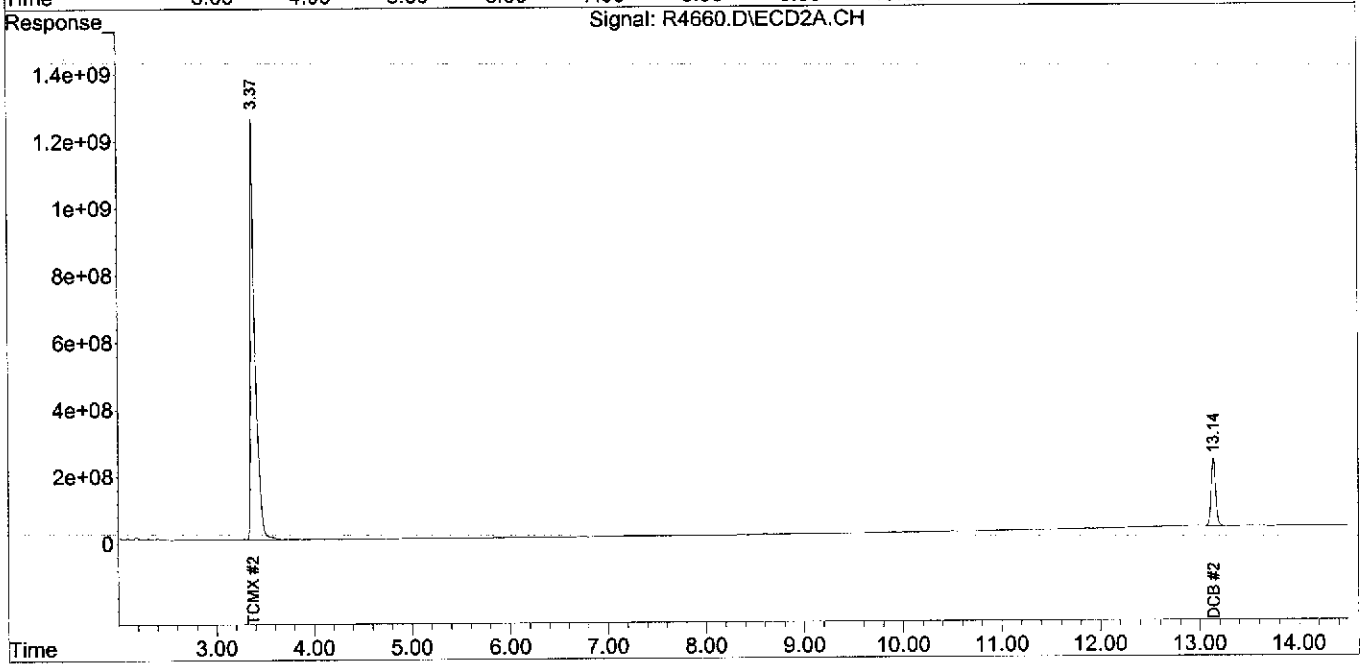
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : R4660.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 22:39
Operator : YG
Sample : S-34(4.0-5,10574-003,S,5.41g,19.3,10/19/12,4
Misc : 121019-09,10/18/12,10/18/12,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:32:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 15:14:37 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 : R4661.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 22:57
Operator : YG
Sample : S-34(5.0-5,10574-004,S,5.66g,24.7,10/19/12,4
Misc : 121019-09,10/18/12,10/18/12,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:34:01 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 15:14:37 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	3.47	3.38	30341.7E6	37676.7E6	187.163	255.501 #
Spiked Amount 200.000			Recovery	=	93.58%	127.75%
2) S DCB	13.10	13.14	10011.6E6	8233.6E6	196.956	222.862
Spiked Amount 200.000			Recovery	=	98.48%	111.43%
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
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

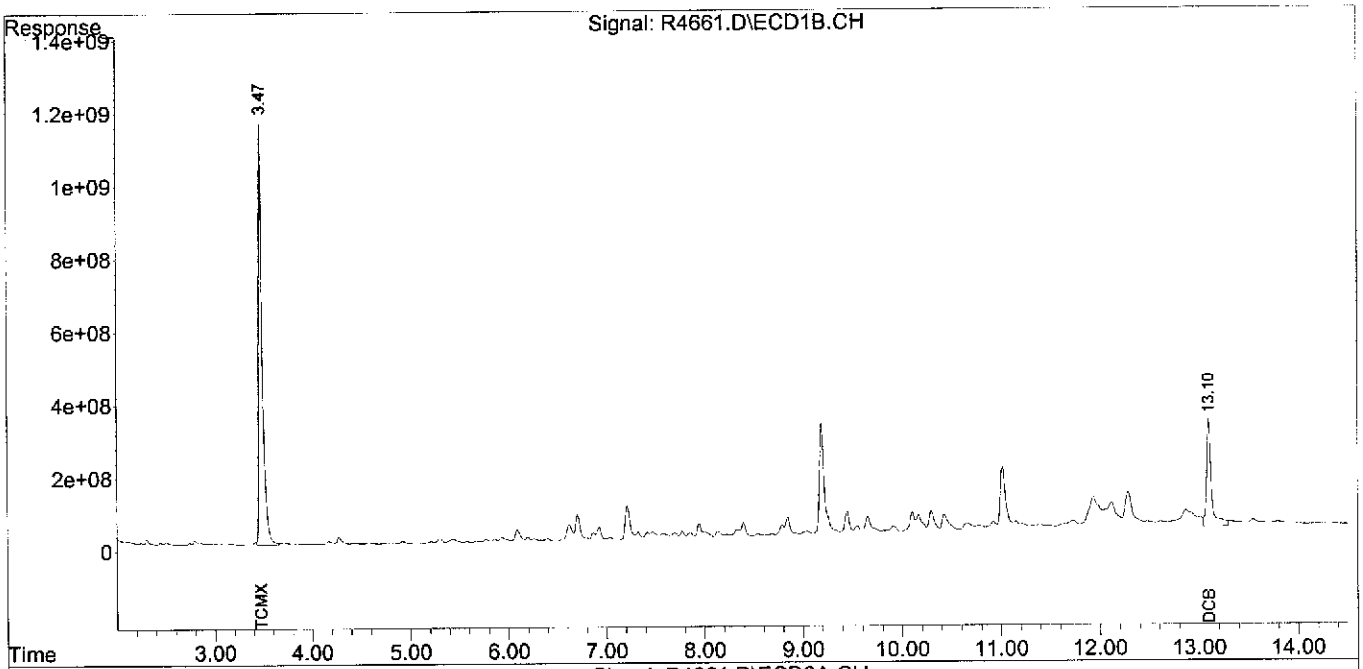
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

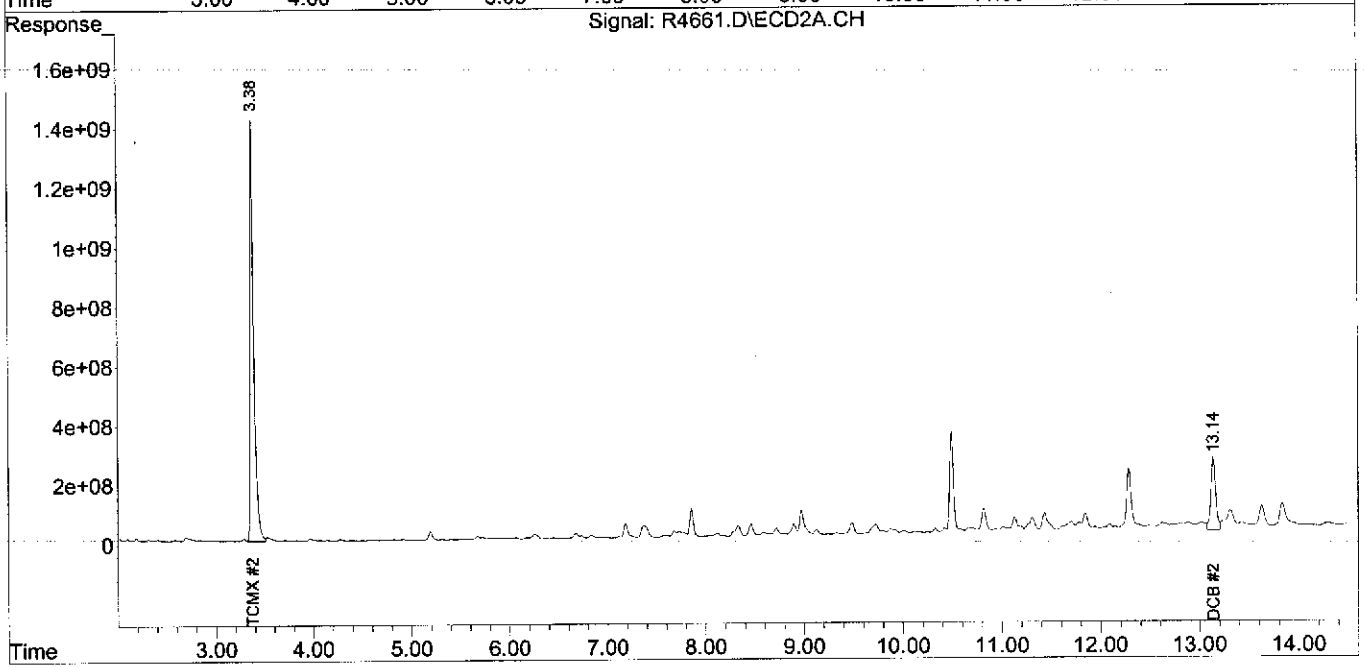
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : R4661.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 22:57
Operator : YG
Sample : S-34(5.0-5,10574-004,S,5.66g,24.7,10/19/12,4
Misc : 121019-09,10/18/12,10/18/12,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:34:01 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 15:14:37 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 : R4662.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 23:14
Operator : YG
Sample : S-34(5.5-6,10574-005,S,5.81g,22.3,10/19/12,4
Misc : 121019-09,10/18/12,10/18/12,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:34:44 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 15:14:37 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	36247.8E6	41050.4E6	223.595	278.380
Spiked Amount 200.000			Recovery	=	111.80%	139.19%
2) S DCB	13.10	13.14	8527.6E6	8419.1E6	167.762	227.882 #
Spiked Amount 200.000			Recovery	=	83.88%	113.94%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

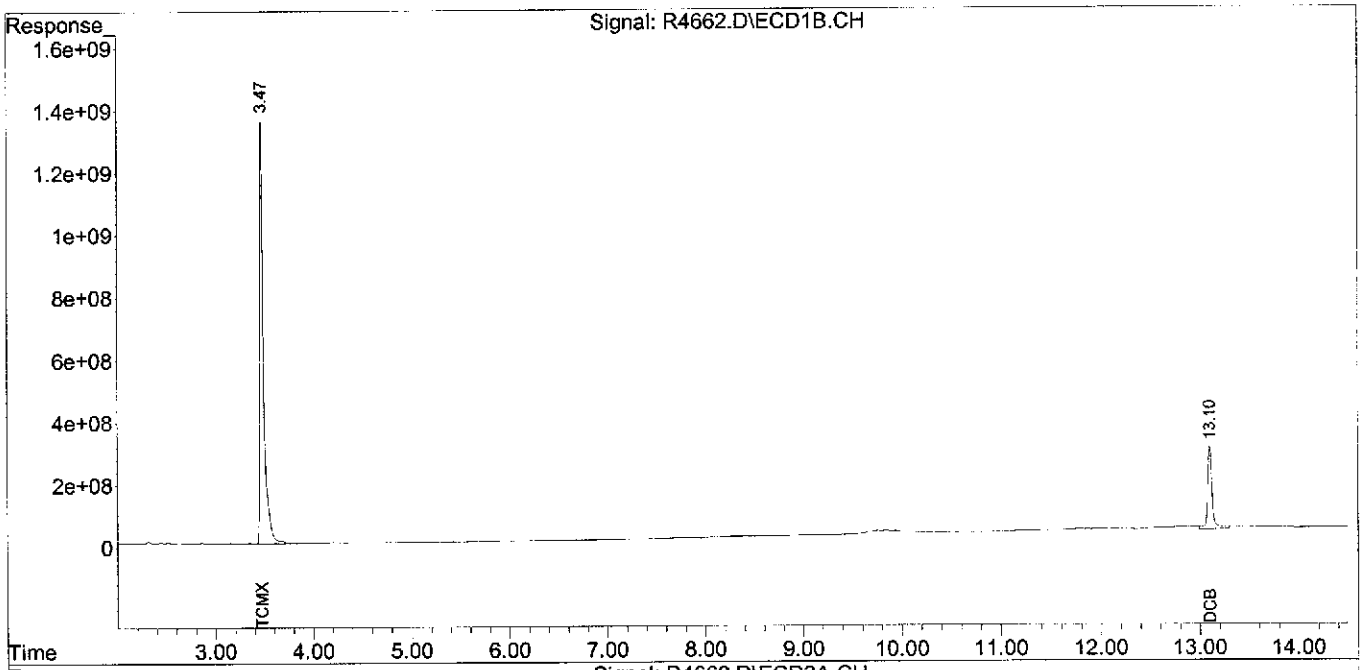
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

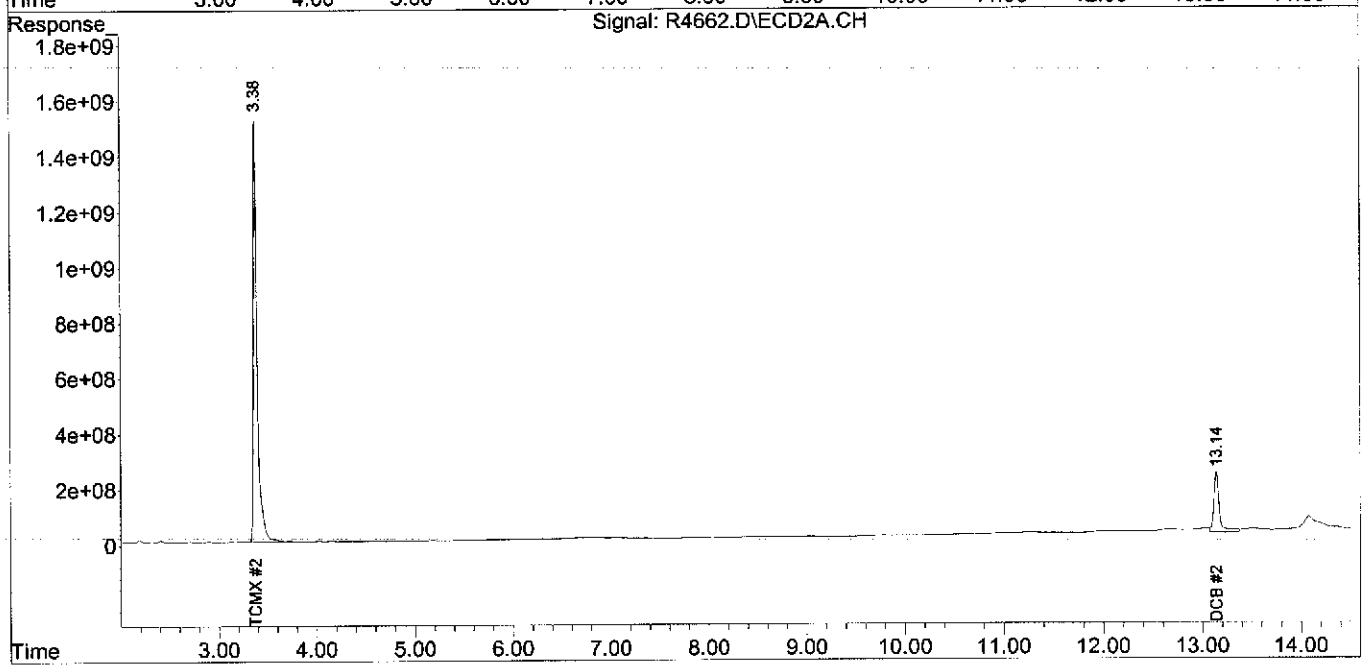
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : R4662.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 23:14
Operator : YG
Sample : S-34(5.5-6,10574-005,S,5.81g,22.3,10/19/12,4
Misc : 121019-09,10/18/12,10/18/12,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:34:44 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 15:14:37 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 : R4663.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 23:31
Operator : YG
Sample : S-33(0-2.0,10574-006,S,5.40g,11.2,10/19/12,4
Misc : 121019-09,10/18/12,10/18/12,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:36:29 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 15:14:37 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	3.47	3.37	32242.4E6	38450.3E6	198.887	260.748	#
Spiked Amount 200.000			Recovery	=	99.44%	130.37%	
2) S DCB	13.10	13.14	7738.6E6	6500.9E6	152.239m	175.961m	
Spiked Amount 200.000			Recovery	=	76.12%	87.98%	
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
33) L8 Aroclor-1260	9.25	8.72	970.3E6	565.7E6	71.214	88.973	
34) L8 Aroclor-1260 {2}	9.94	9.13	966.1E6	778.7E6	151.474m	109.451	#
35) L8 Aroclor-1260 {3}	10.42	10.33	1627.3E6	720.6E6	83.338m	130.051	#
36) L8 Aroclor-1260 {4}	10.92	10.84	1235.2E6	1346.2E6	140.366	115.739	
37) L8 Aroclor-1260 {5}	11.99	11.44	672.8E6	1851.6E6	180.089m	234.787	#
Sum Aroclor-1260			5471.7E6	5262.8E6	626.480	679.001	
Average Aroclor-1260					125.296	135.800	
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	

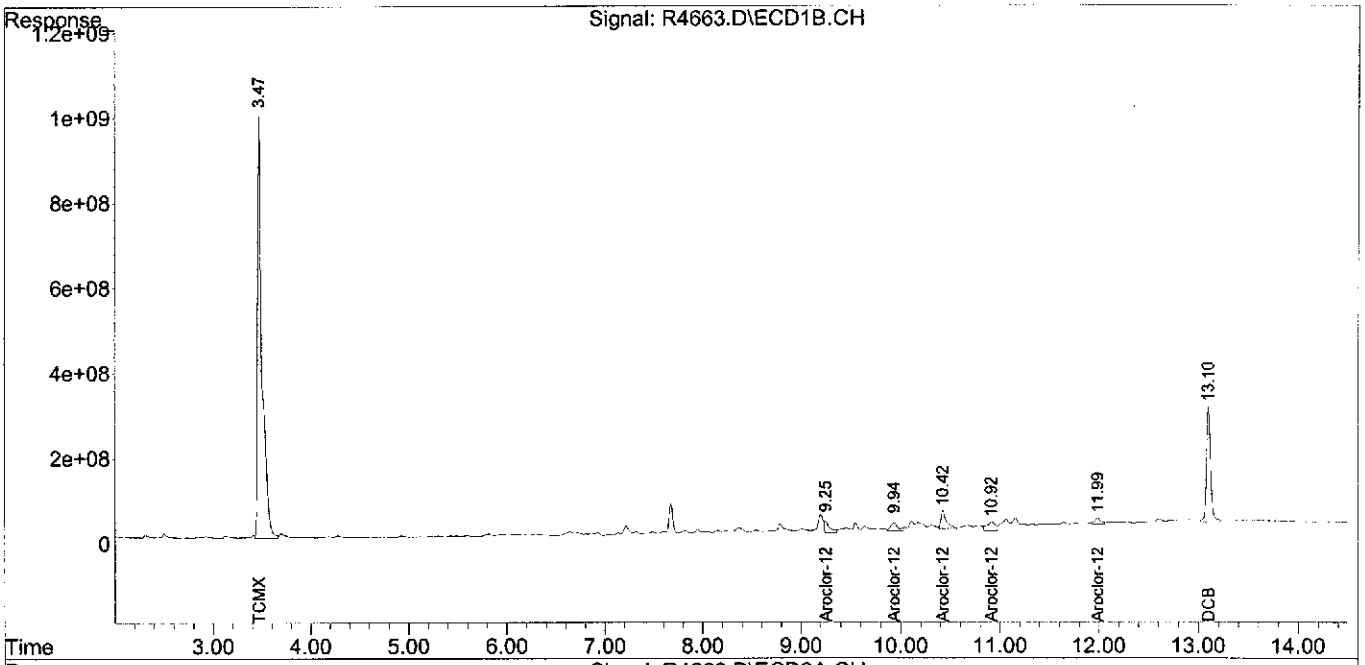
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

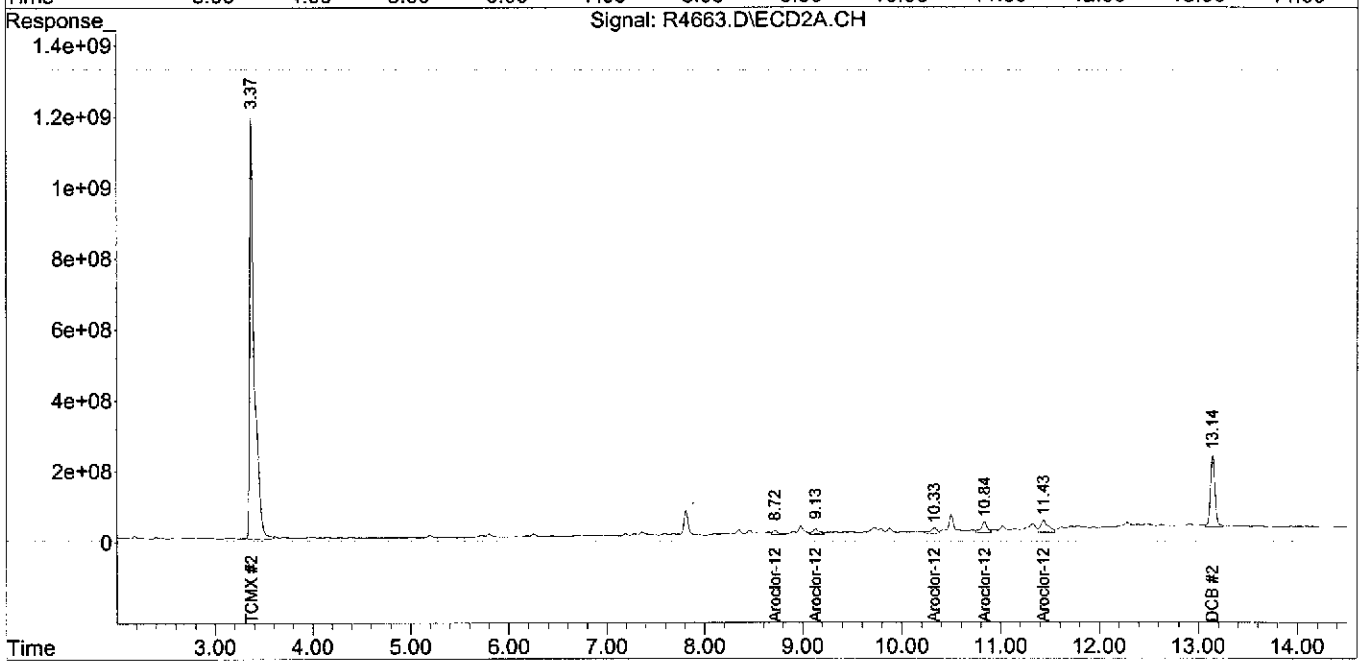
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : R4663.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 23:31
Operator : YG
Sample : S-33(0-2.0,10574-006,S,5.40g,11.2,10/19/12,4
Misc : 121019-09,10/18/12,10/18/12,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:36:29 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 15:14:37 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 : R4664.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 23:49
Operator : YG
Sample : S-33(2.0-4,10574-007,S,5.26g,7.90,10/19/12,4
Misc : 121019-09,10/18/12,10/18/12,1
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:36:52 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 15:14:37 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	38288.4E6	42687.0E6	236.182	289.478
Spiked Amount 200.000			Recovery	=	118.09%	144.74%
2) S DCB	13.10	13.14	9896.2E6	7090.9E6	194.686	191.931m
Spiked Amount 200.000			Recovery	=	97.34%	95.97%
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

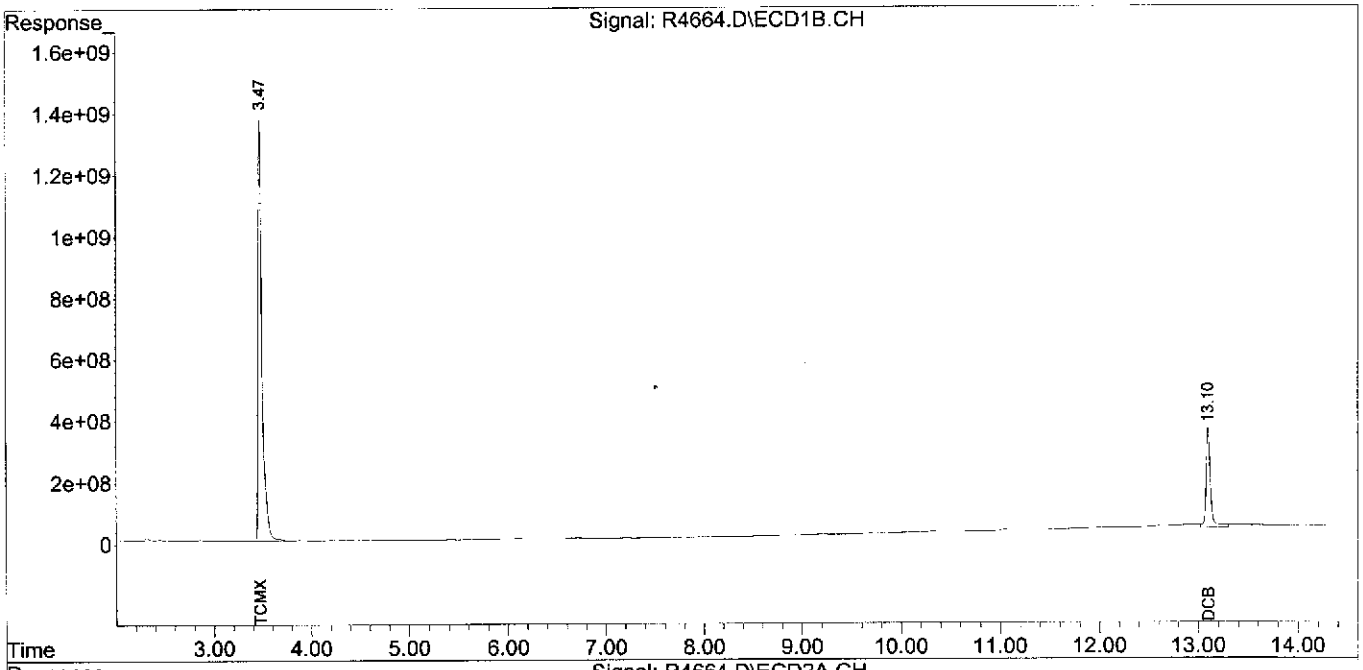
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

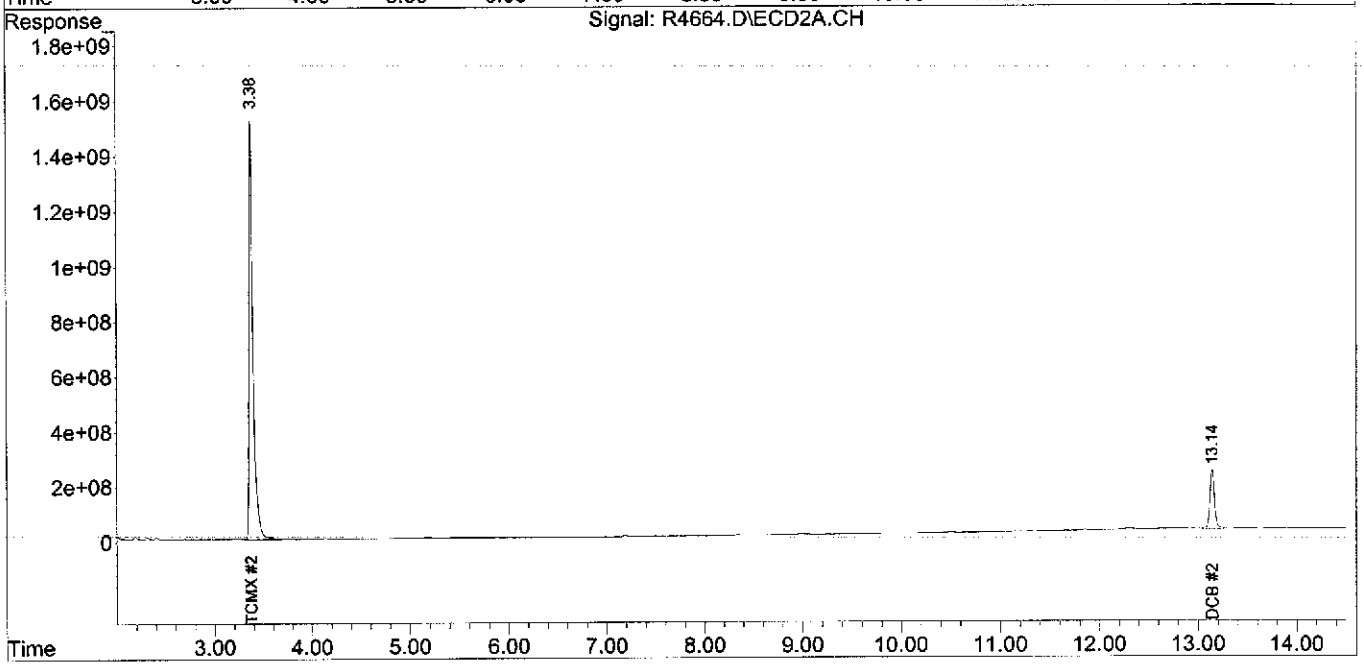
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : R4664.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 23:49
Operator : YG
Sample : S-33(2.0-4,10574-007,S,5.26g,7.90,10/19/12,4
Misc : 121019-09,10/18/12,10/18/12,1
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:36:52 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 15:14:37 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 : R4665.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 00:06
Operator : YG
Sample : S-33(4.0-5,10574-008,S,5.21g,12.0,10/19/12,4
Misc : 121019-09,10/18/12,10/18/12,1
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:37:16 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 15:14:37 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	39760.8E6	42721.7E6	245.265	289.713
Spiked Amount 200.000			Recovery	=	122.63%	144.86%
2) S DCB	13.10	13.14	10847.5E6	7414.3E6	213.400	200.685m
Spiked Amount 200.000			Recovery	=	106.70%	100.34%
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
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

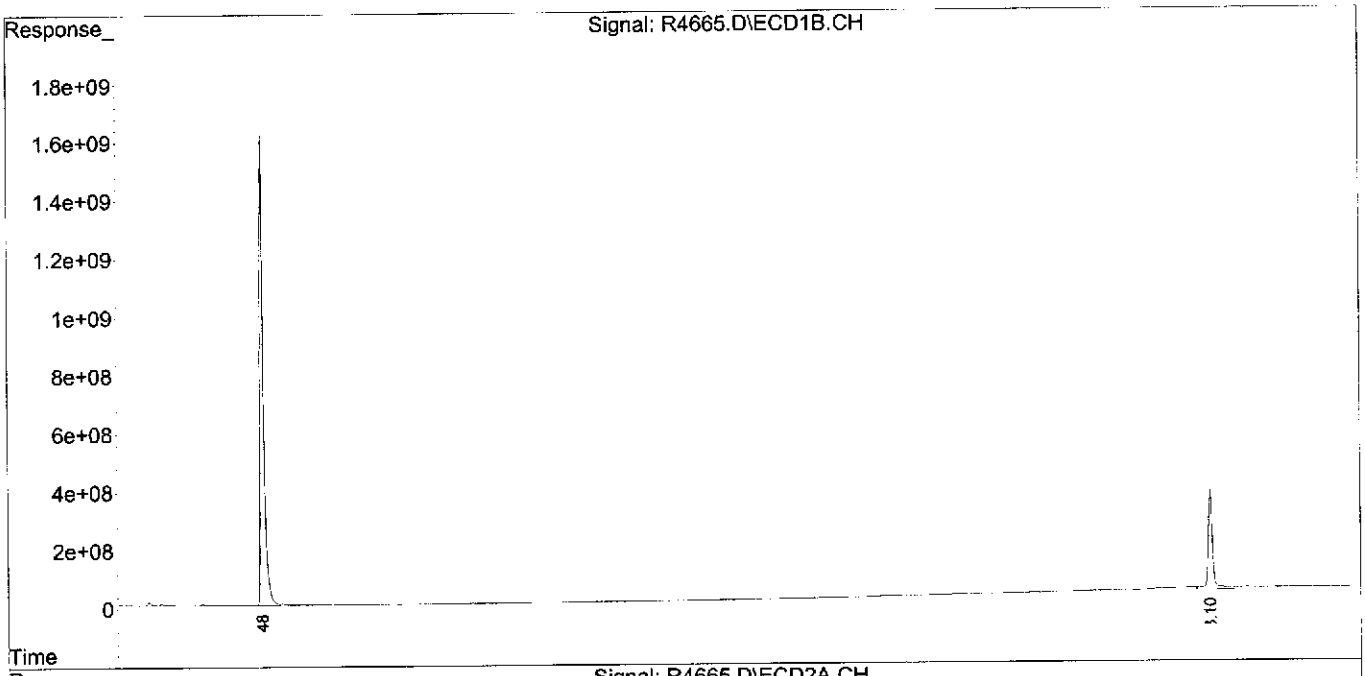
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

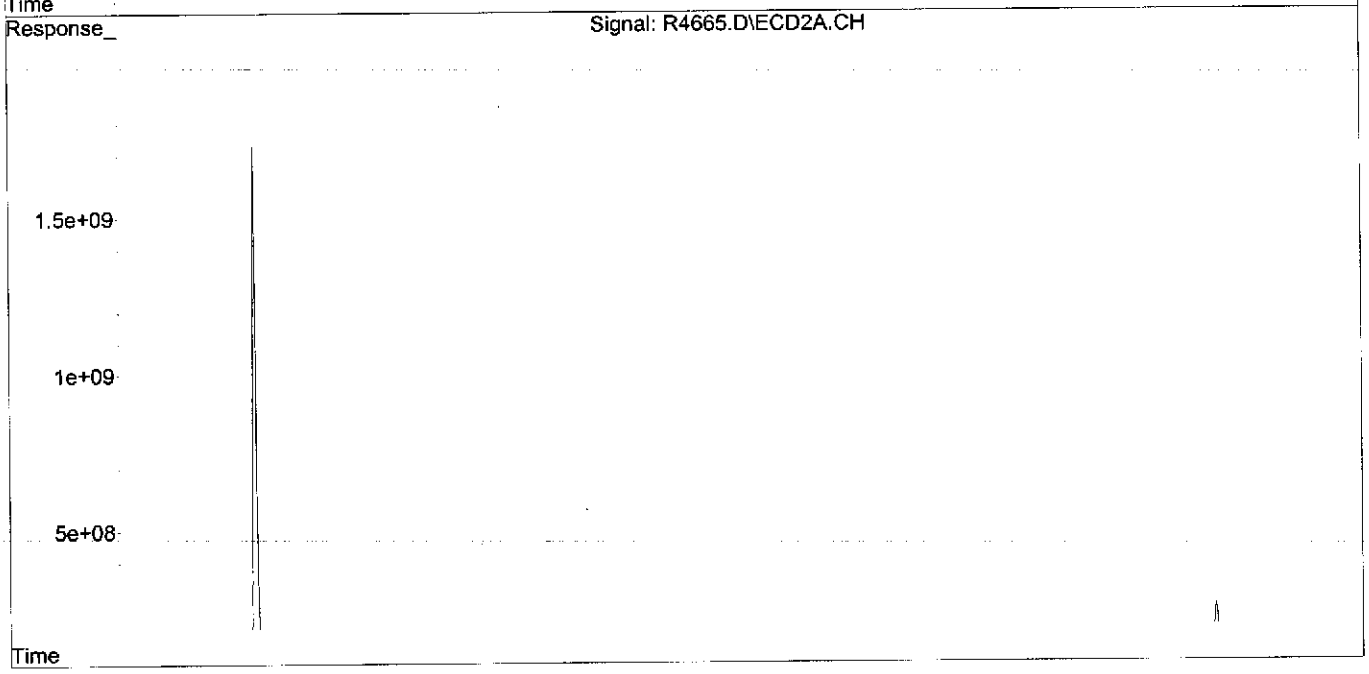
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : R4665.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 00:06
Operator : YG
Sample : S-33(4.0-5,10574-008,S,5.21g,12.0,10/19/12,4
Misc : 121019-09,10/18/12,10/18/12,1
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:37:16 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 15:14:37 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 : R4666.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 00:24
Operator : YG
Sample : S-33(5.0-5,10574-009,S,5.35g,59.7,10/19/12,4
Misc : 121019-09,10/18/12,10/18/12,1
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:38:02 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 15:14:37 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	47455.1E6	41301.2E6	292.727	280.081m
Spiked Amount 200.000			Recovery	=	146.36%	140.04%
2) S DCB	13.10	13.14	11728.8E6	8855.8E6	230.738m	239.701
Spiked Amount 200.000			Recovery	=	115.37%	119.85%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

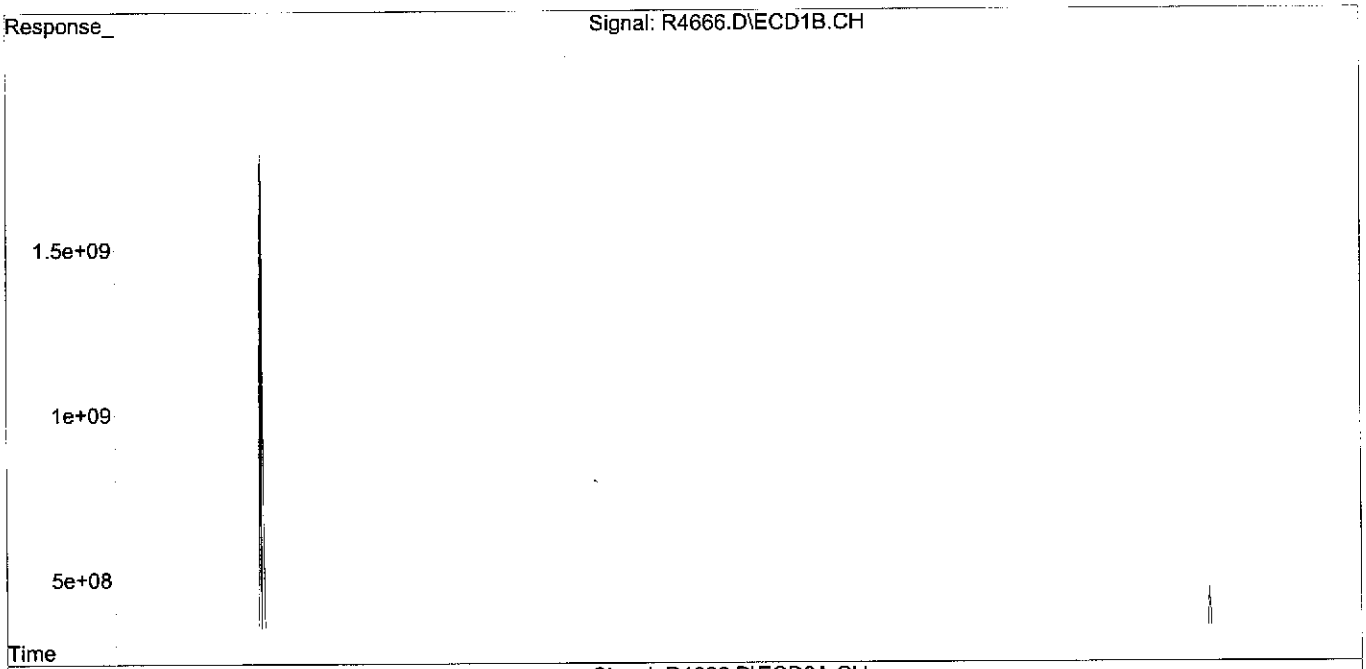
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

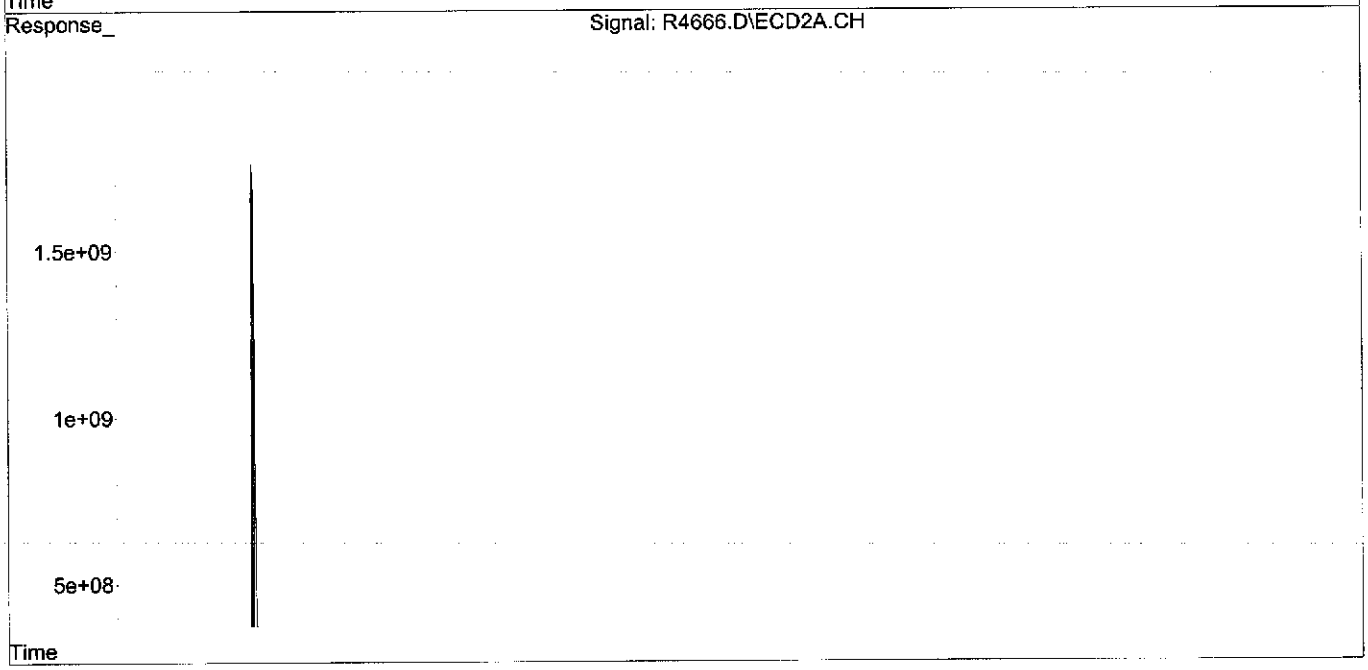
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : R4666.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 00:24
Operator : YG
Sample : S-33(5.0-5,10574-009,S,5.35g,59.7,10/19/12,4
Misc : 121019-09,10/18/12,10/18/12,1
ALS Vial : 25 Sample Multiplier: 1

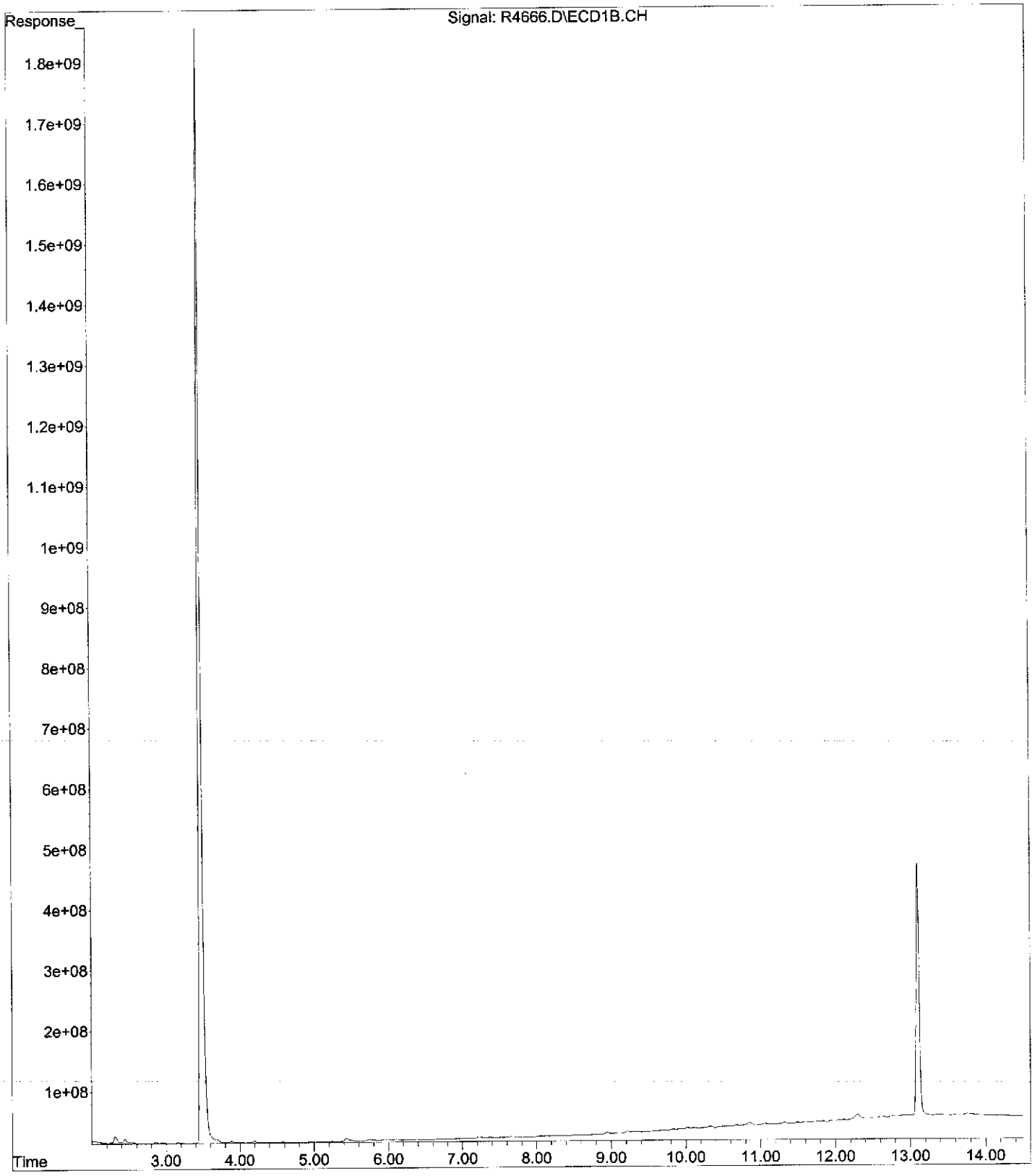
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:38:02 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 15:14:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

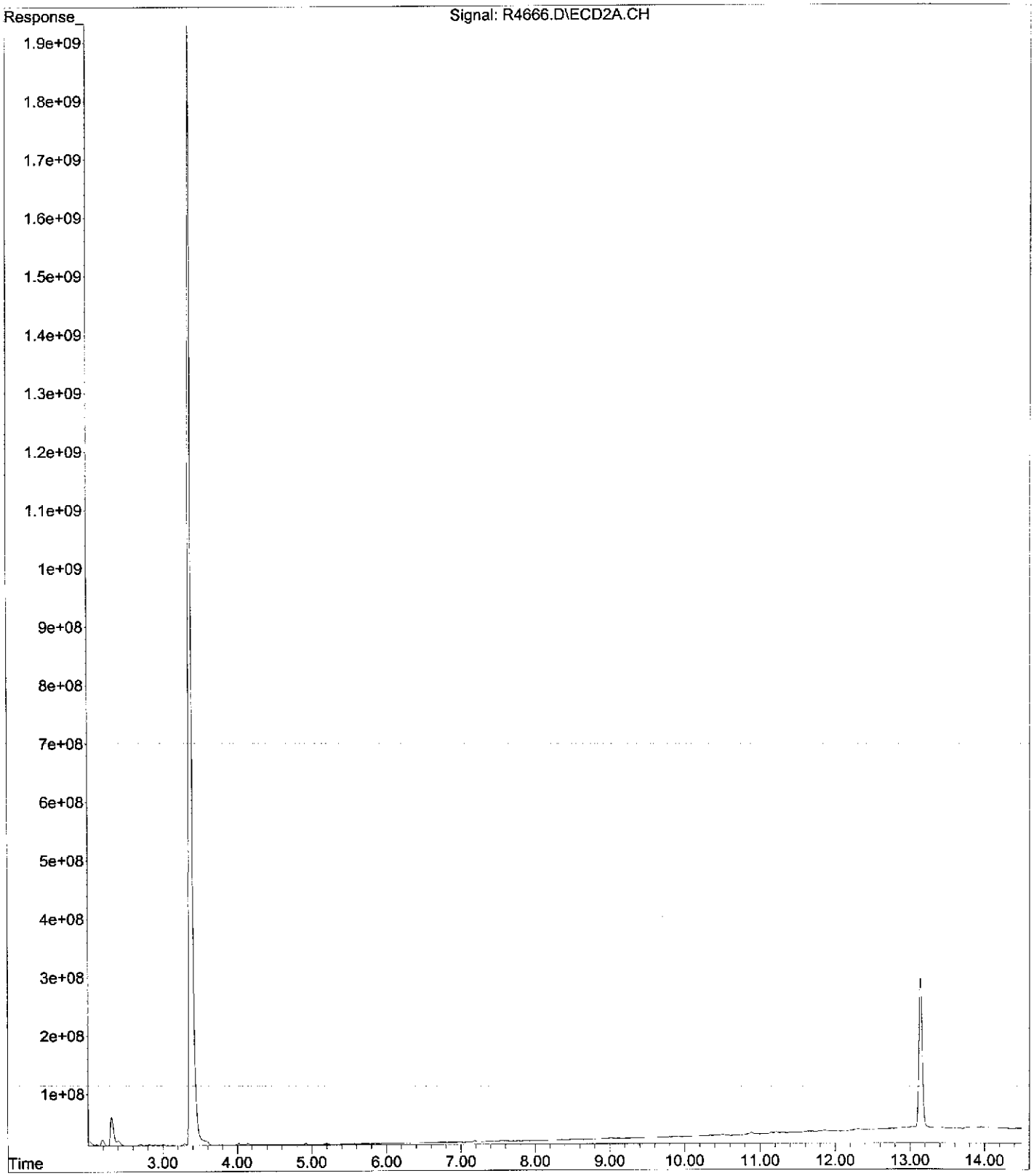




File :C:\MSDChem\1\DATA\10-24-12\R4666.D
Operator : YG
Acquired : 25 Oct 2012 00:24 using AcqMethod RPCB0928.M
Instrument : GC_R
Sample Name: S-33(5.0-5,10574-009,S,5.35g,59.7,10/19/12,4
Misc Info : 121019-09,10/18/12,10/18/12,1
Vial Number: 25



File :C:\MSDChem\1\DATA\10-24-12\R4666.D
Operator : YG
Acquired : 25 Oct 2012 00:24 using AcqMethod RPCB0928.M
Instrument : GC_R
Sample Name: S-33(5.0-5,10574-009,S,5.35g,59.7,10/19/12,4
Misc Info : 121019-09,10/18/12,10/18/12,1
Vial Number: 25



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2870.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 3:05
Operator : YG
Sample : S-33(5.5-6,10574-010,S,5.35g,21.4,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 09:42:25 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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	28097.8E6	8843.2E6	297.447	287.371
Spiked Amount 200.000			Recovery	=	148.72%	143.69%
2) S DCB	12.11	12.48	5578.7E6	2203.5E6	256.417	256.504
Spiked Amount 200.000			Recovery	=	128.21%	128.25%
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
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

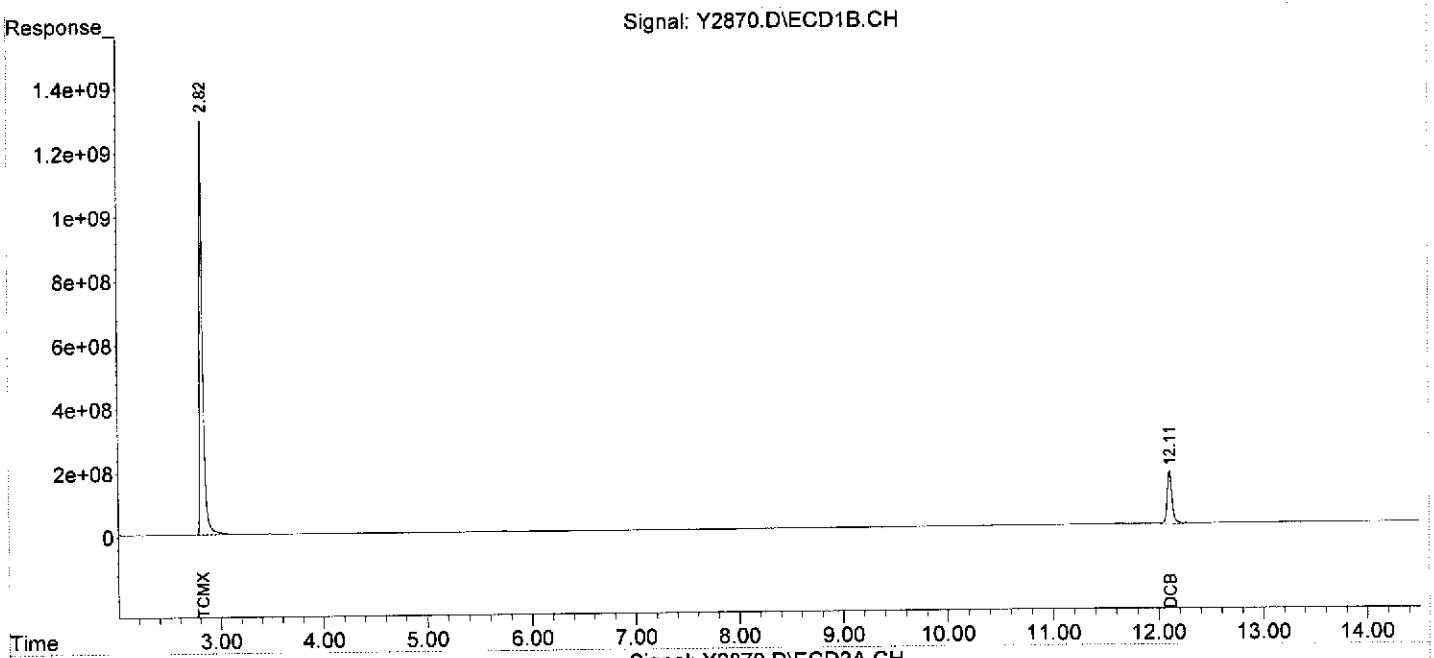
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

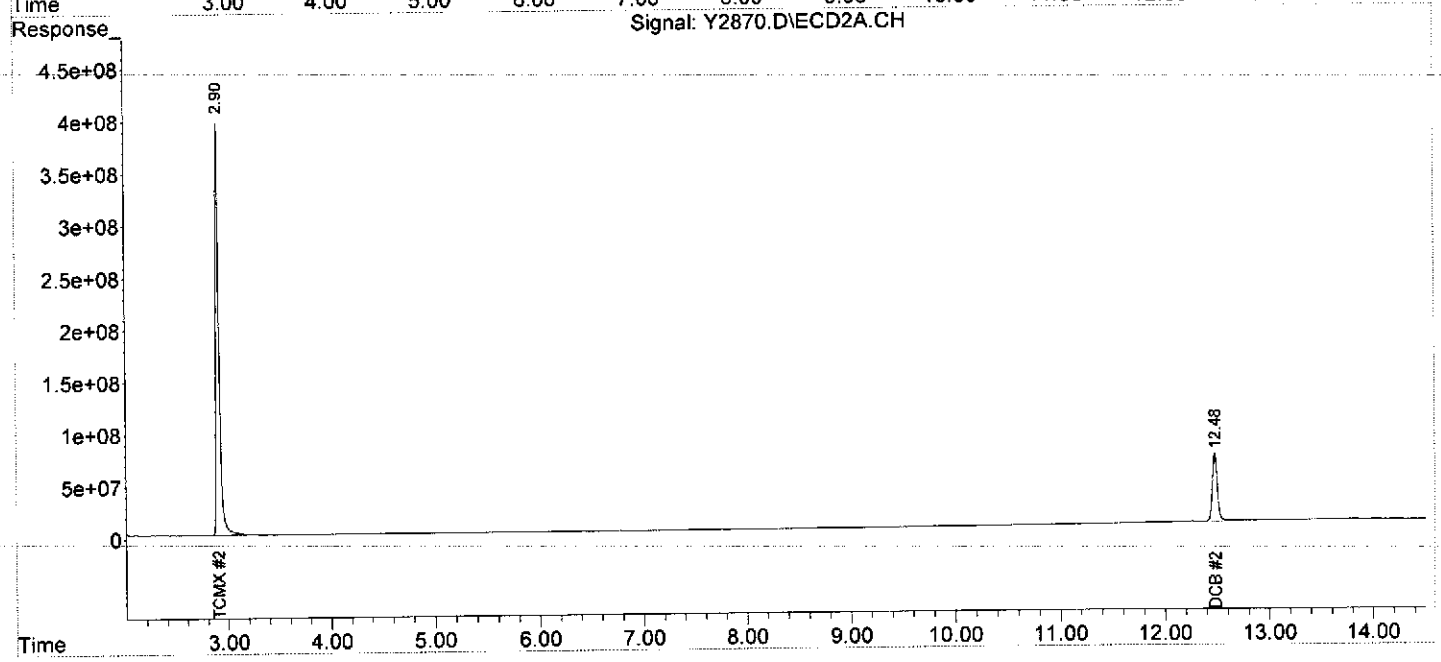
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2870.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 3:05
Operator : YG
Sample : S-33(5.5-6,10574-010,S,5.35g,21.4,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 09:42:25 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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 : Y2871.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 3:22
Operator : YG
Sample : R-33(0-2.0,10574-011,S,5.82g,11.7,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 09:44:29 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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	2.90	19033.7E6	7221.6E6	201.494	234.675
Spiked Amount 200.000			Recovery	=	100.75%	117.34%
2) S DCB	12.10	12.48	5830.0E6	2506.4E6	267.966	291.767
Spiked Amount 200.000			Recovery	=	133.98%	145.88%
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

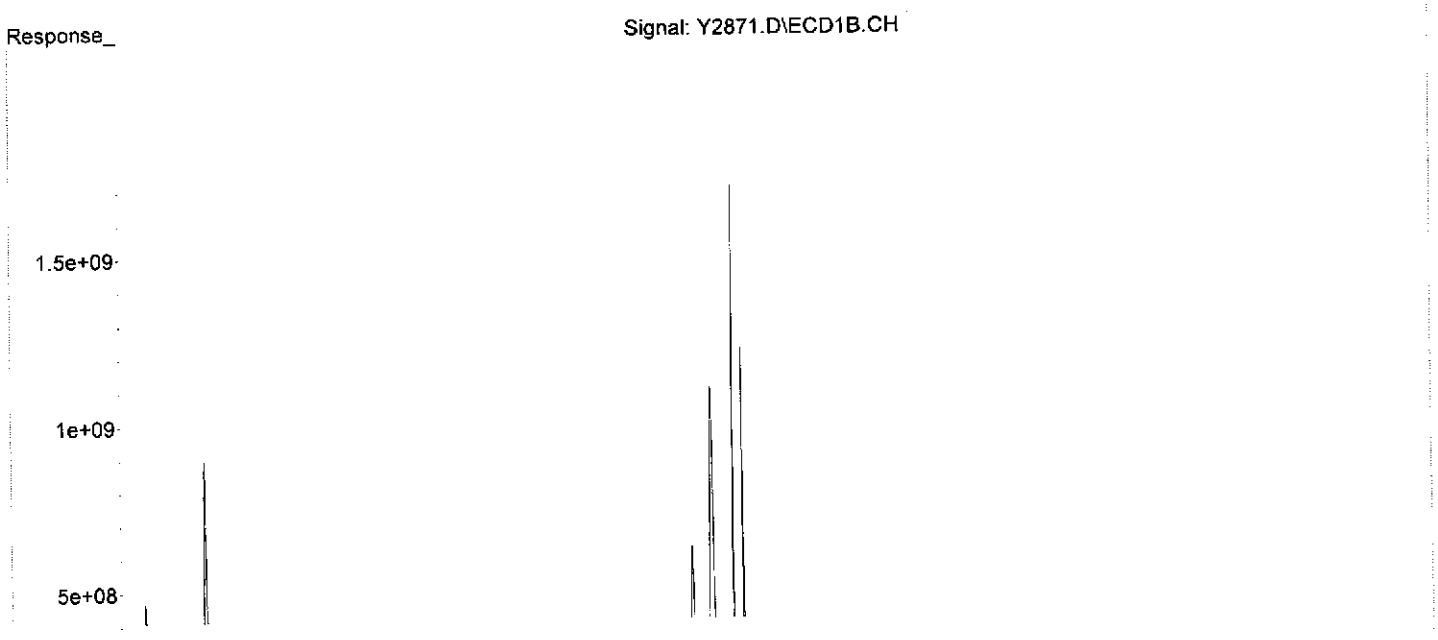
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

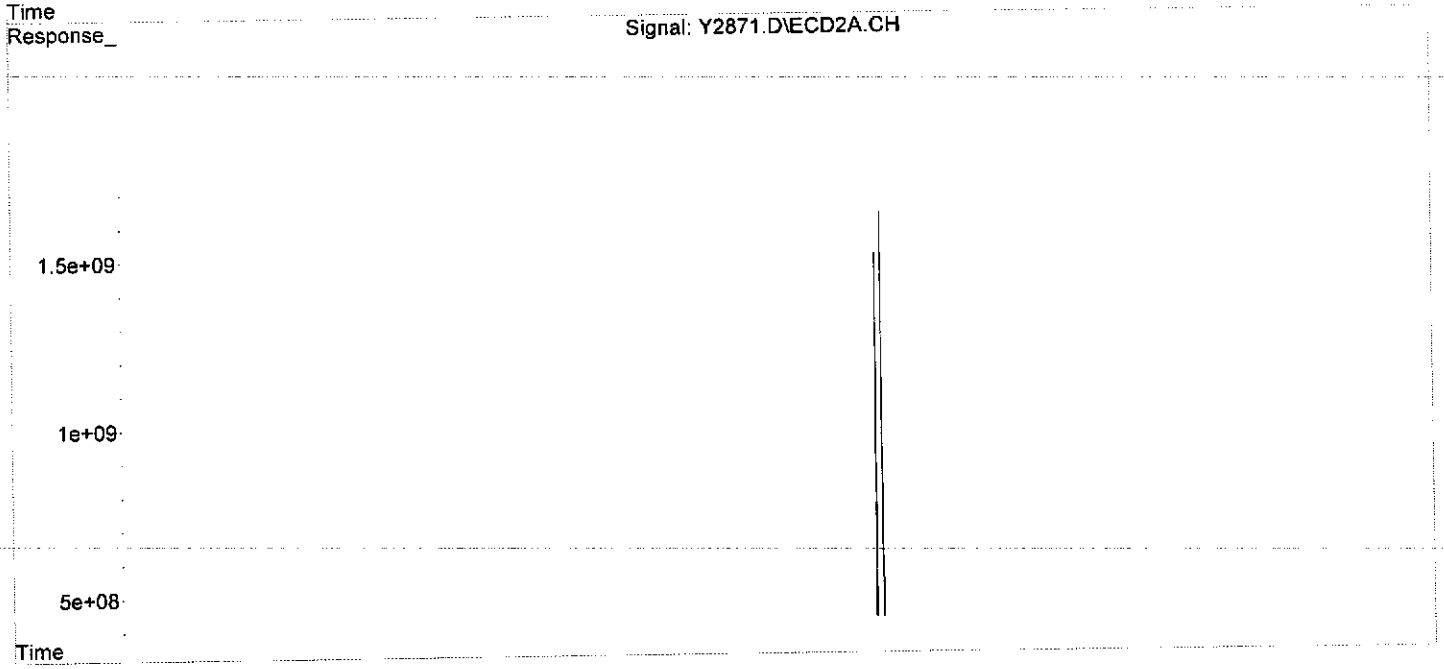
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2871.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 3:22
Operator : YG
Sample : R-33(0-2.0,10574-011,S,5.82g,11.7,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 41 Sample Multiplier: 1

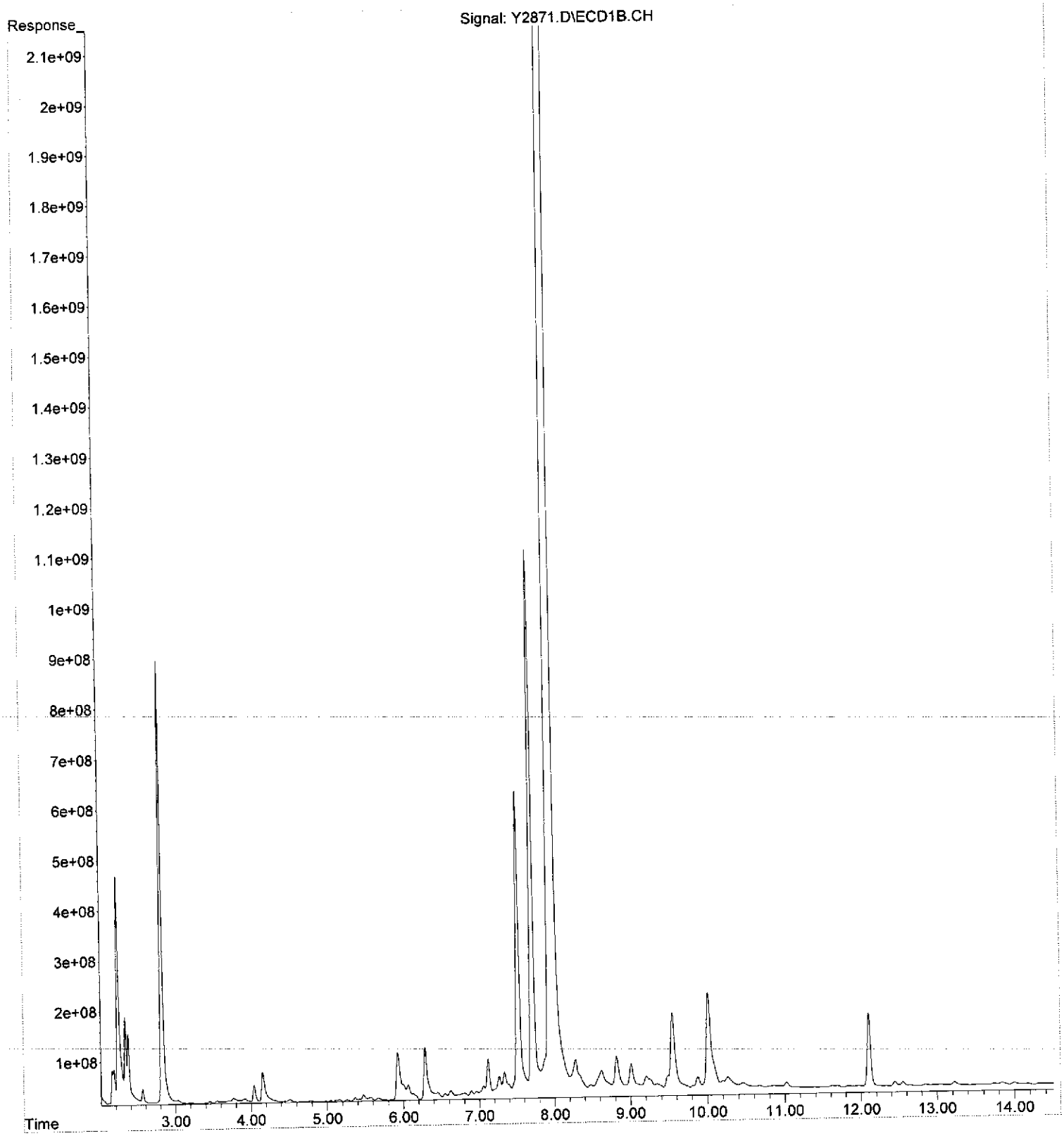
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 09:44:29 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

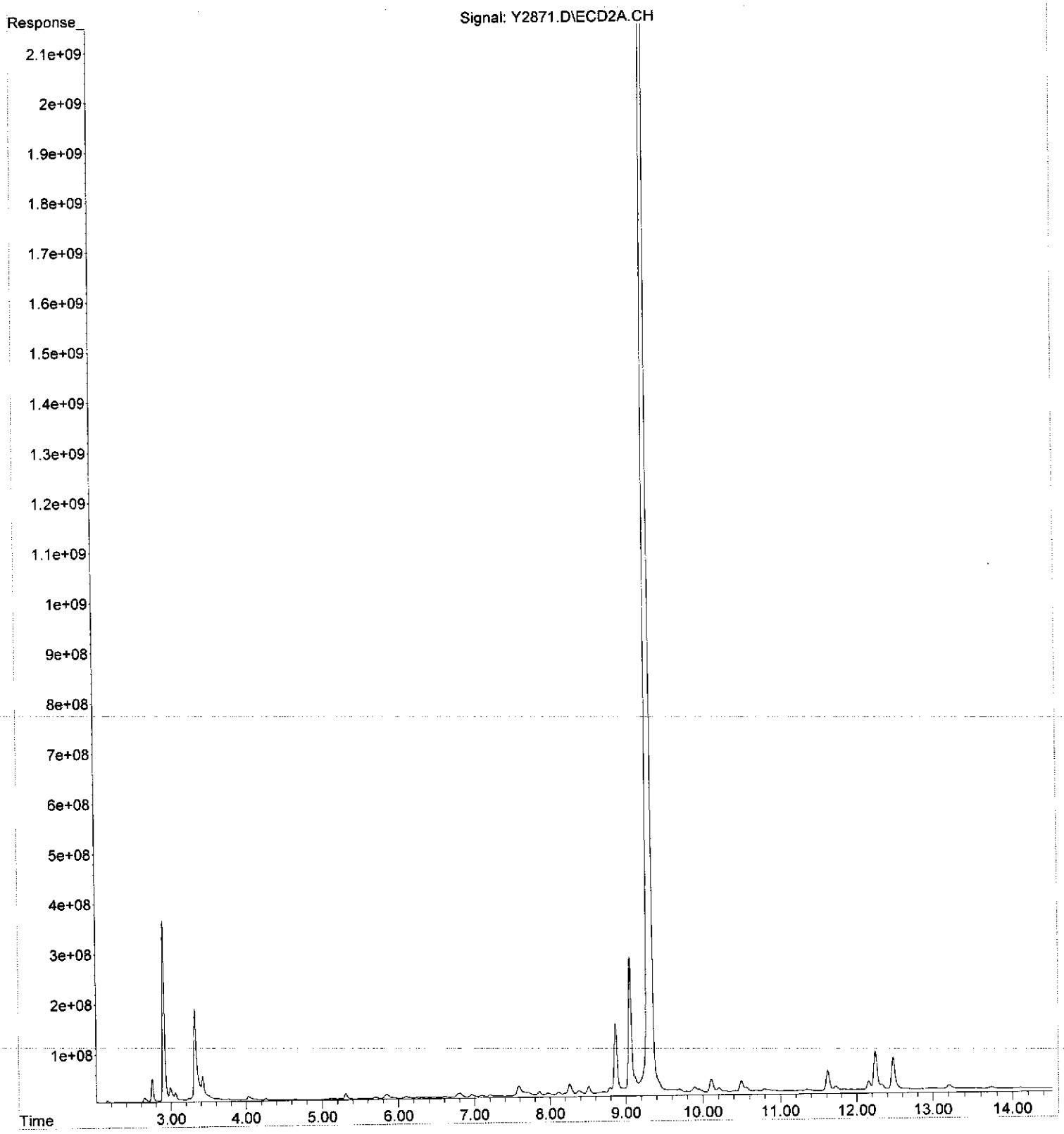




File :C:\MSDCHEM\1\DATA\10-24-12\Y2871.D
Operator : YG
Acquired : 25 Oct 2012 3:22 using AcqMethod YPCB1024.M
Instrument : GC_Y
Sample Name: R-33(0-2.0,10574-011,S,5.82g,11.7,10/22/12,4
Misc Info : 121022-03,10/18/12,10/18/12,1
Vial Number: 41



File :C:\MSDCHEM\1\DATA\10-24-12\Y2871.D
Operator : YG
Acquired : 25 Oct 2012 3:22 using AcqMethod YPCB1024.M
Instrument : GC_Y
Sample Name: R-33(0-2.0,10574-011,S,5.82g,11.7,10/22/12,4
Misc Info : 121022-03,10/18/12,10/18/12,1
Vial Number: 41



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2872.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 3:40
Operator : YG
Sample : R-33(2.0-4,10574-012,S,5.75g,12.9,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 09:44:56 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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	26380.8E6	8508.8E6	279.271	276.505
Spiked Amount 200.000			Recovery	=	139.64%	138.25%
2) S DCB	12.11	12.48	5363.6E6	2131.4E6	246.527	248.118
Spiked Amount 200.000			Recovery	=	123.26%	124.06%
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

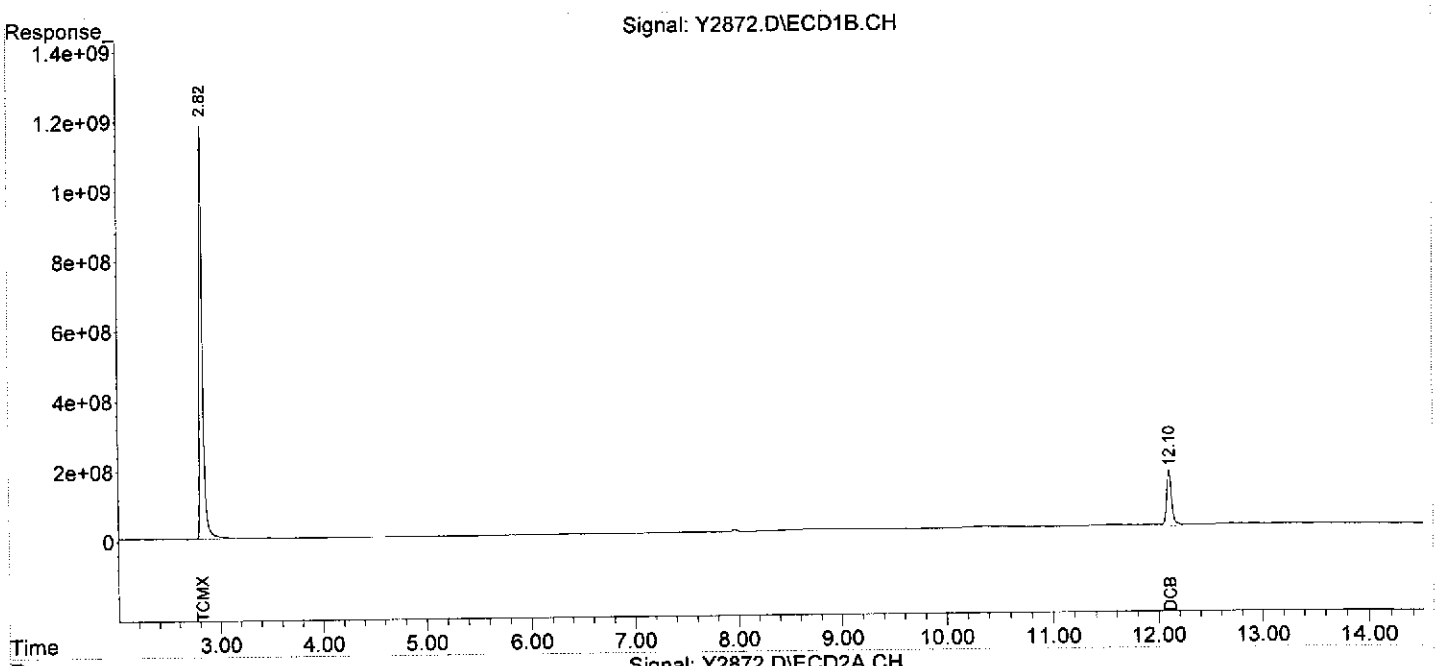
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

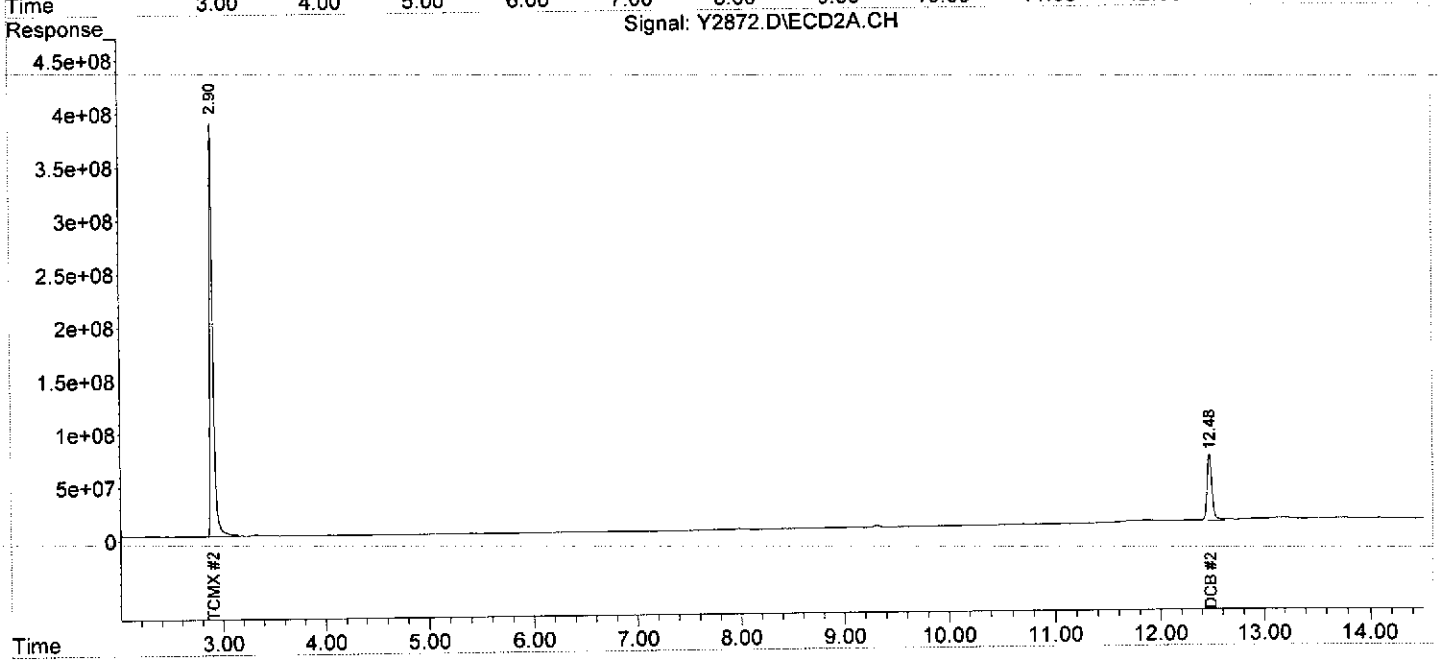
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2872.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 3:40
Operator : YG
Sample : R-33(2.0-4,10574-012,S,5.75g,12.9,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 09:44:56 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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 : Y2873.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 3:57
Operator : YG
Sample : R-33(4.0-5,10574-013,S,5.65g,78.1,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 09:50:35 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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	2.90	34484.1E6	11623.2E6	365.053	377.710
Spiked Amount 200.000			Recovery	=	182.53%	188.85%
) S DCB	12.11	12.48	6994.1E6	2796.9E6	321.471	325.587
Spiked Amount 200.000			Recovery	=	160.74%	162.79%
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

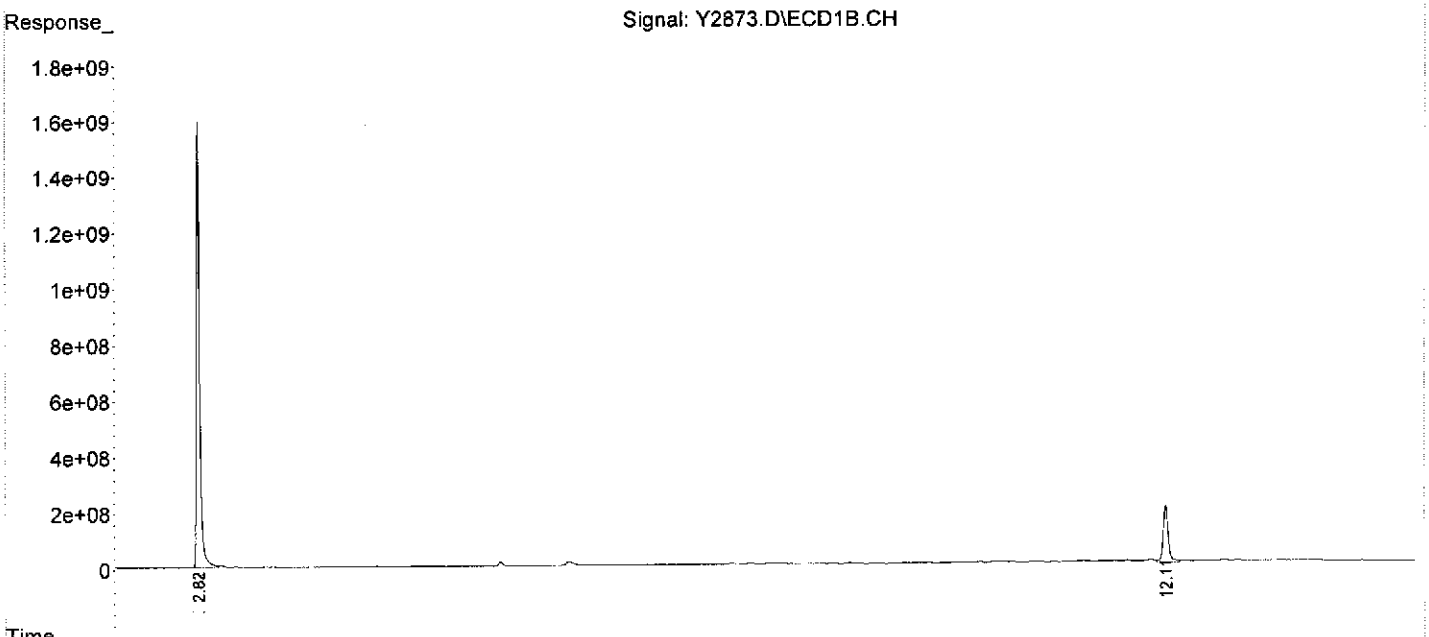
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

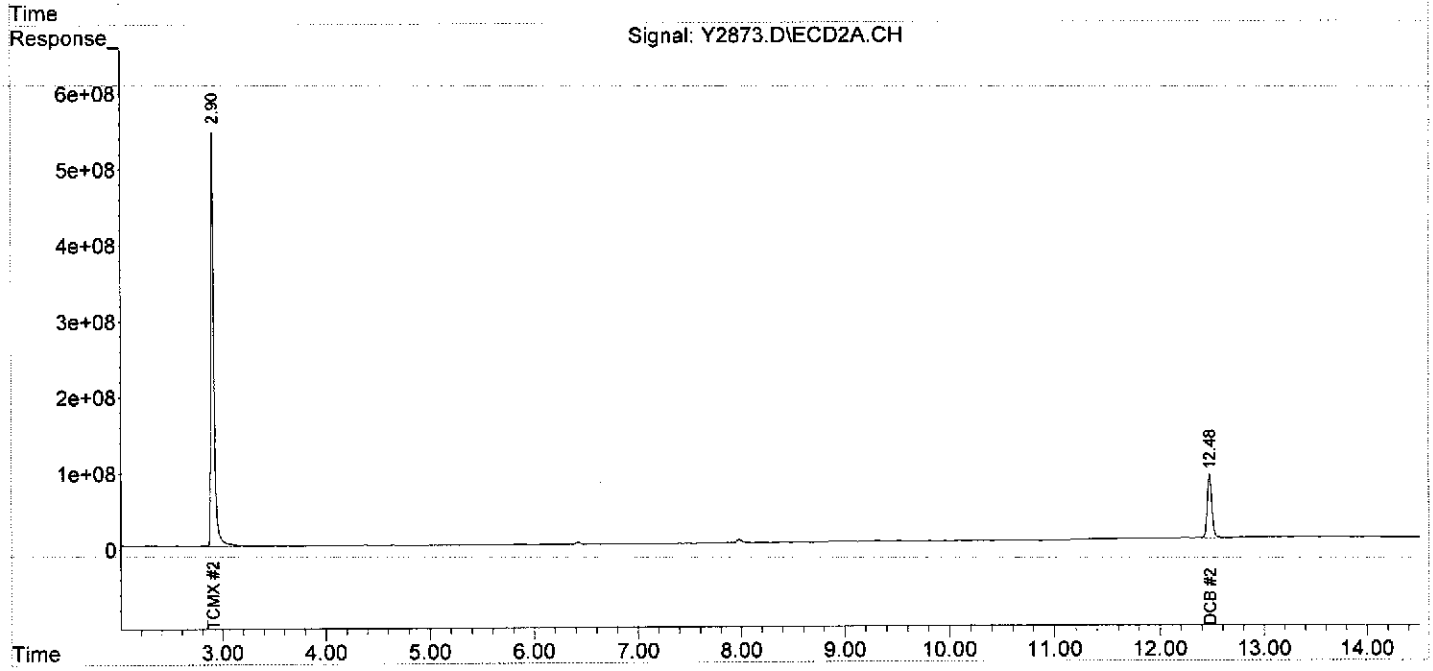
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2873.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 3:57
Operator : YG
Sample : R-33(4.0-5,10574-013,S,5.65g,78.1,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 09:50:35 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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 : Y2874.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 4:14
Operator : YG
Sample : R-33(5.0-6,10574-014,S,5.32g,23.9,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 09:52:47 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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	32519.3E6	10415.3E6	344.254	338.460
Spiked Amount 200.000			Recovery	=	172.13%	169.23%
2) S DCB	12.11	12.48	5298.5E6	2501.3E6	243.535	291.172
Spiked Amount 200.000			Recovery	=	121.77%	145.59%
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

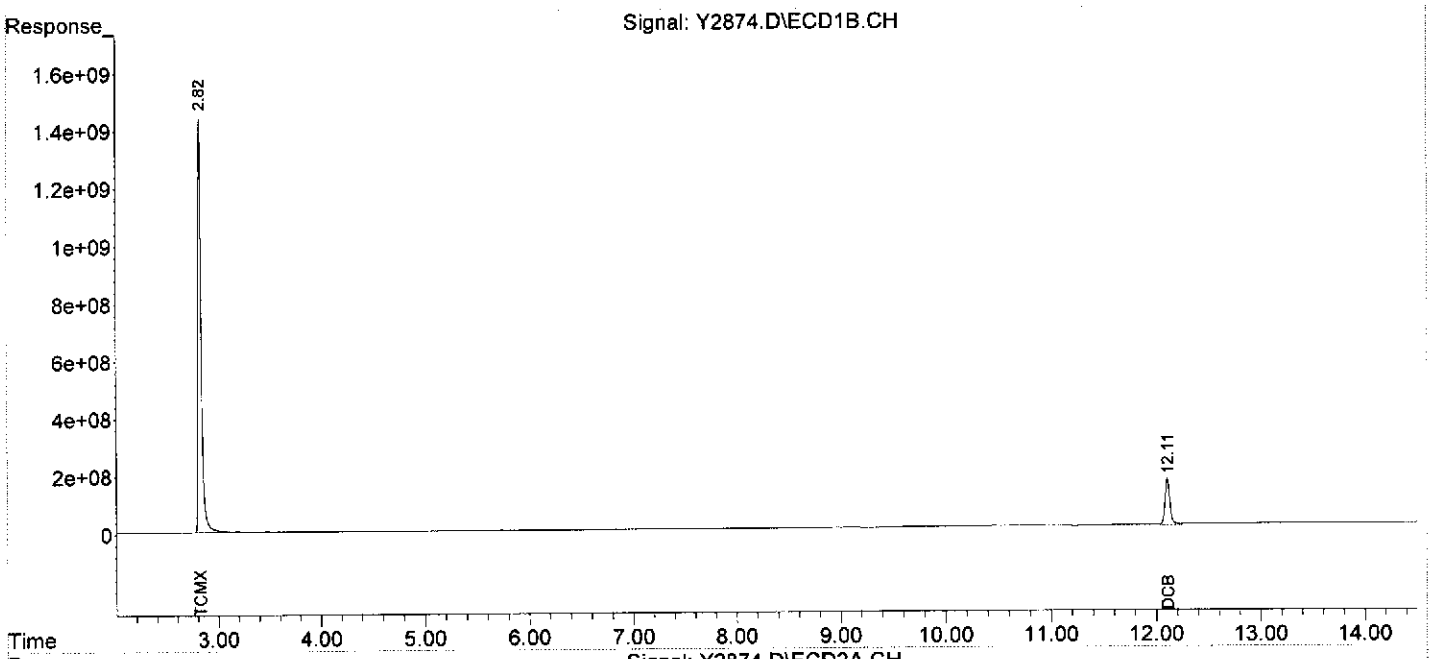
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

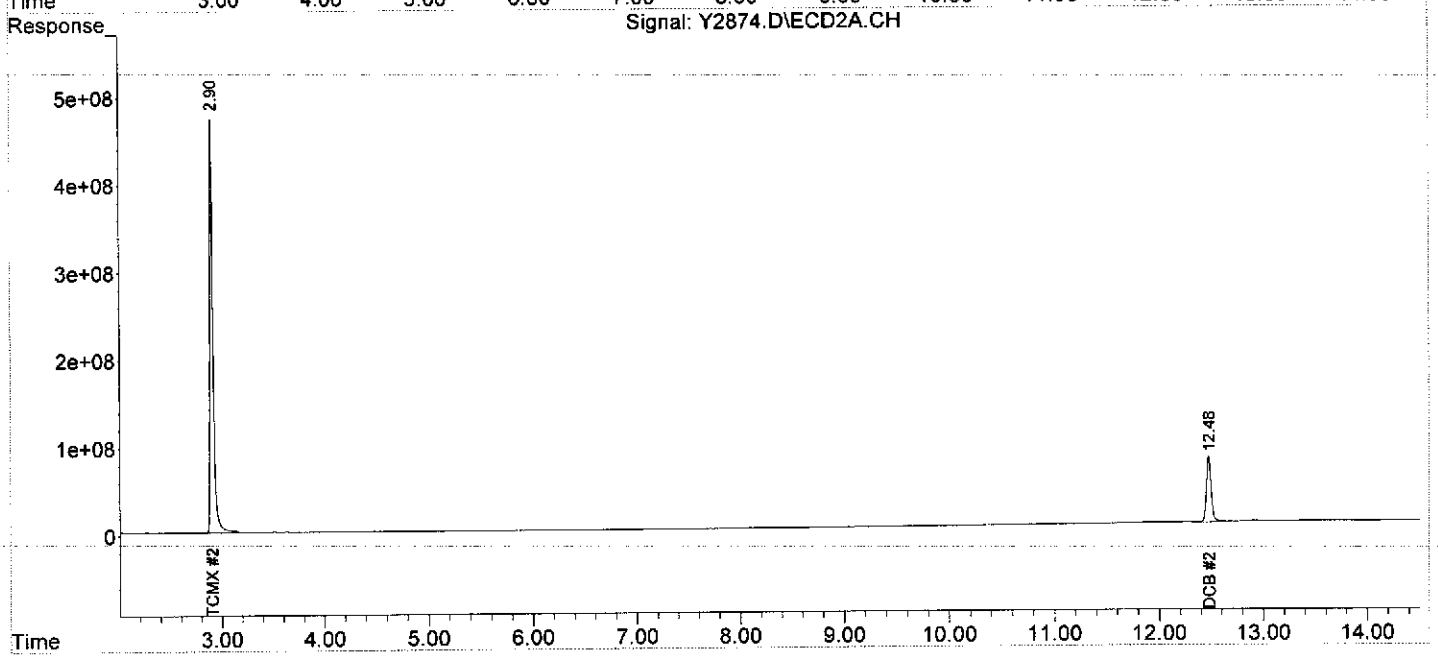
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2874.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 4:14
Operator : YG
Sample : R-33(5.0-6,10574-014,S,5.32g,23.9,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 09:52:47 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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 : Y2923.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 21:22
Operator : JS
Sample : R-35(0-2.0,10574-015,S,5.39g,9.00,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,5
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:10:53 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	5533.9E6	1825.9E6	54.558	55.369
Spiked Amount 200.000			Recovery	=	27.28%	27.68%
2) S DCB	12.11	12.48	1386.5E6	444.6E6	54.385	42.816m
Spiked Amount 200.000			Recovery	=	27.19%	21.41%
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	1856.7E6	645.0E6	478.097	509.550
4) L6 Aroclor-1248 {2}	5.05	5.71	1142.2E6	1210.0E6	544.507	642.771
5) L6 Aroclor-1248 {3}	5.37	6.10	1831.7E6	1024.3E6	664.137	771.323
~~6) L6 Aroclor-1248 {4}~~	~~6.07~~	~~6.26~~	~~5420.8E6~~	~~730.1E6~~	~~1049.626~~	~~596.971~~ #
7) L6 Aroclor-1248 {5}	6.34	6.61	3450.2E6	504.9E6	989.748	748.027
Sum Aroclor-1248			13701.6E6	4114.3E6	3726.114	3268.642
verage Aroclor-1248					745.223	653.728
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

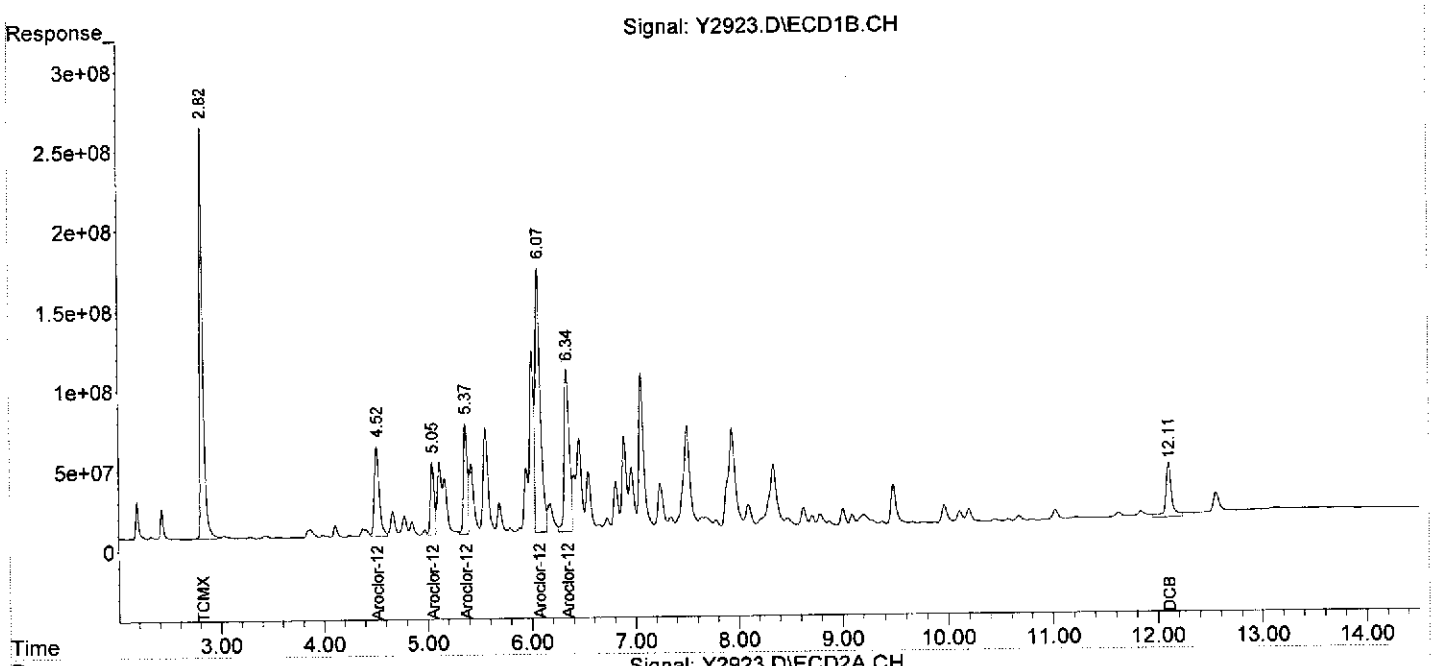
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

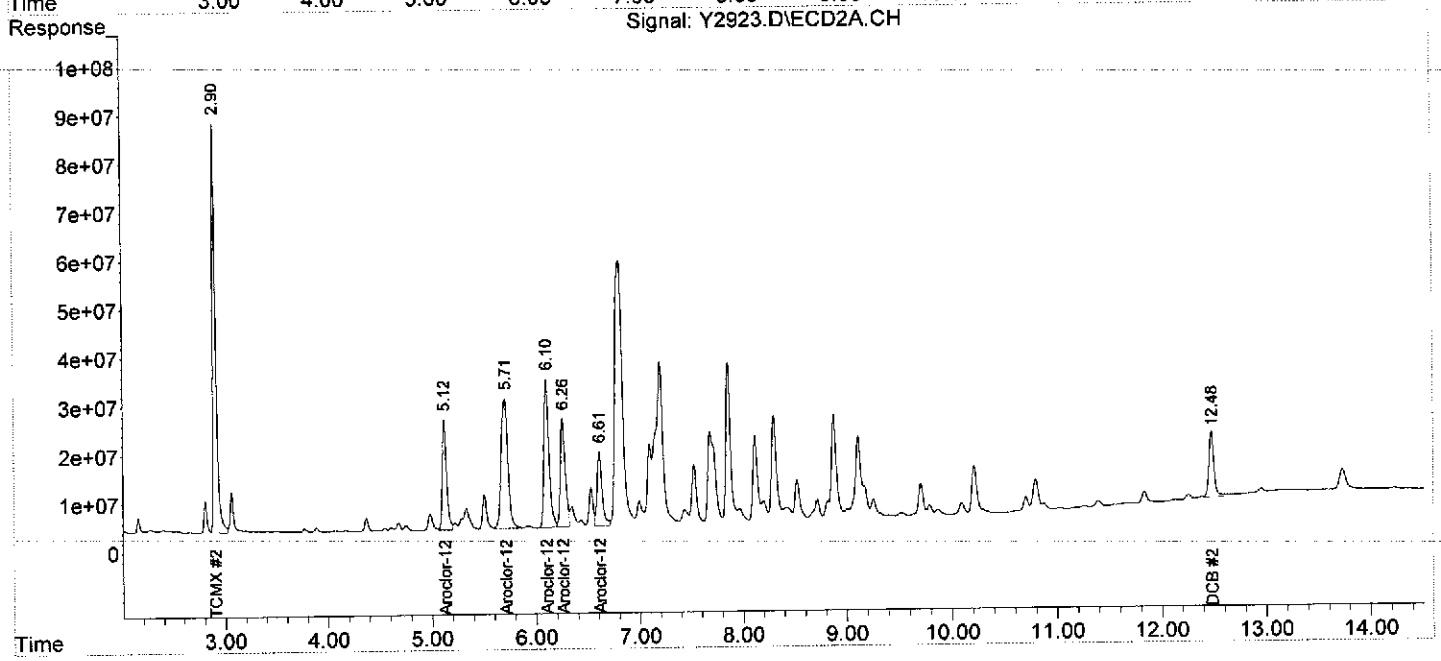
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2923.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 21:22
Operator : JS
Sample : R-35(0-2.0,10574-015,S,5.39g,9.00,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,5
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:10:53 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\10-24-12\
Data File : Y2876.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 4:48
Operator : YG
Sample : R-35(2.0-4,10574-016,S,5.29g,12.4,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 09:53:38 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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	25572.6E6	8471.2E6	270.716	275.284
Spiked Amount 200.000			Recovery	=	135.36%	137.64%
2) S DCB	12.10	12.48	4963.3E6	2139.1E6	228.132	249.014
Spiked Amount 200.000			Recovery	=	114.07%	124.51%
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

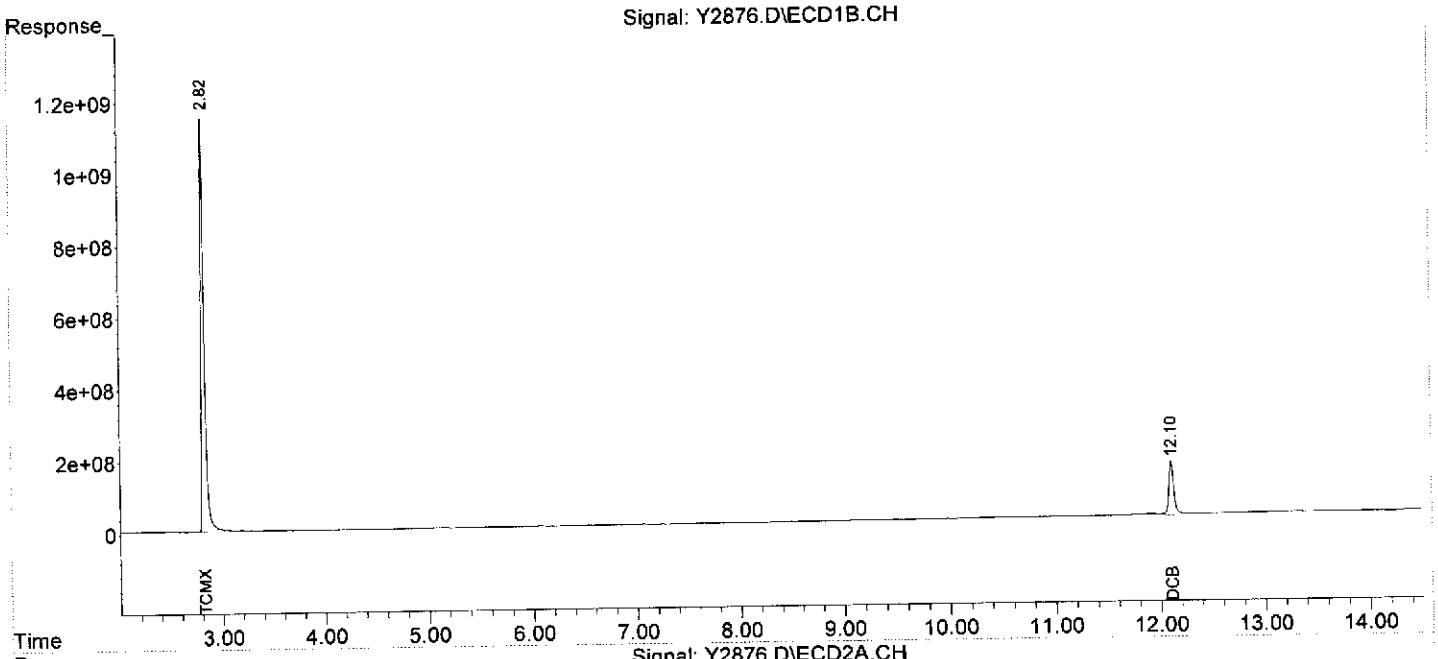
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

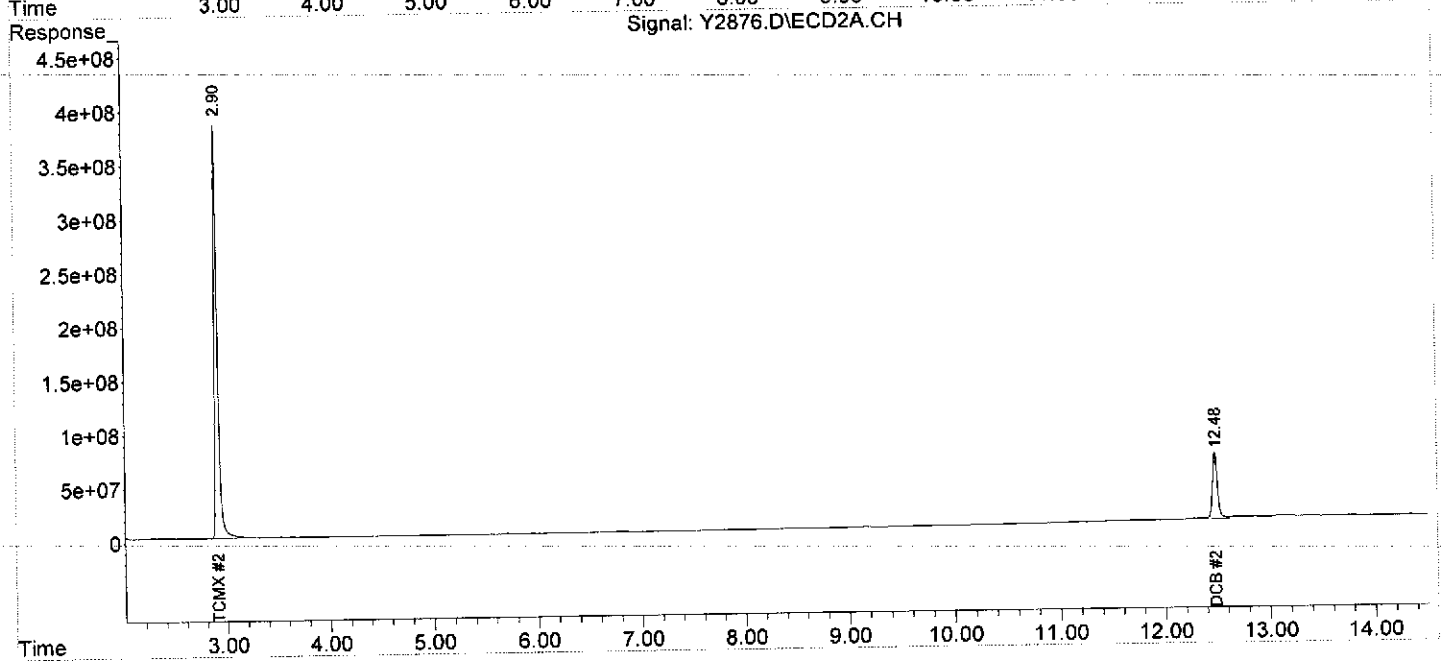
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2876.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 4:48
Operator : YG
Sample : R-35(2.0-4,10574-016,S,5.29g,12.4,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 09:53:38 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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 : Y2877.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 5:05
Operator : YG
Sample : R-35(4.0-5,10574-017,S,5.44g,13.0,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 09:54:06 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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	25926.9E6	8359.2E6	274.466	271.644
Spiked Amount 200.000			Recovery	=	137.23%	135.82%
2) S DCB	12.10	12.48	5171.0E6	2059.8E6	237.679	239.779
Spiked Amount 200.000			Recovery	=	118.84%	119.89%
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

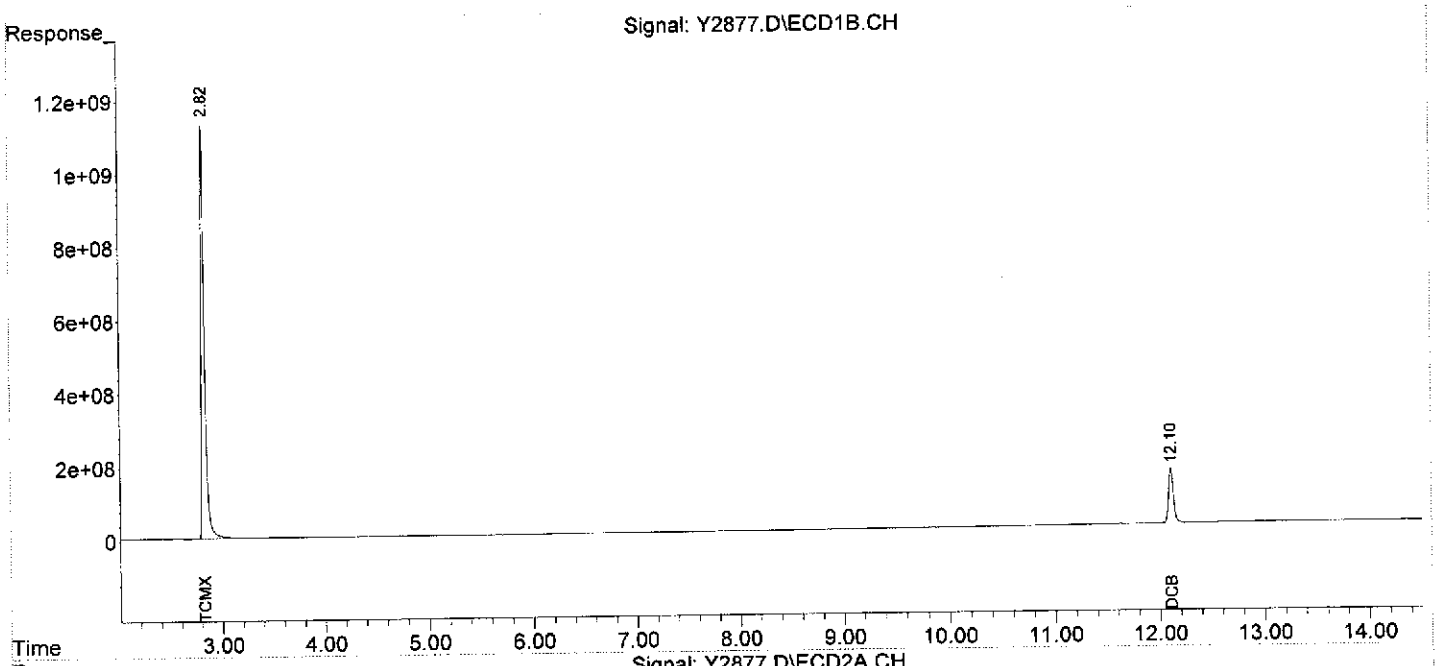
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

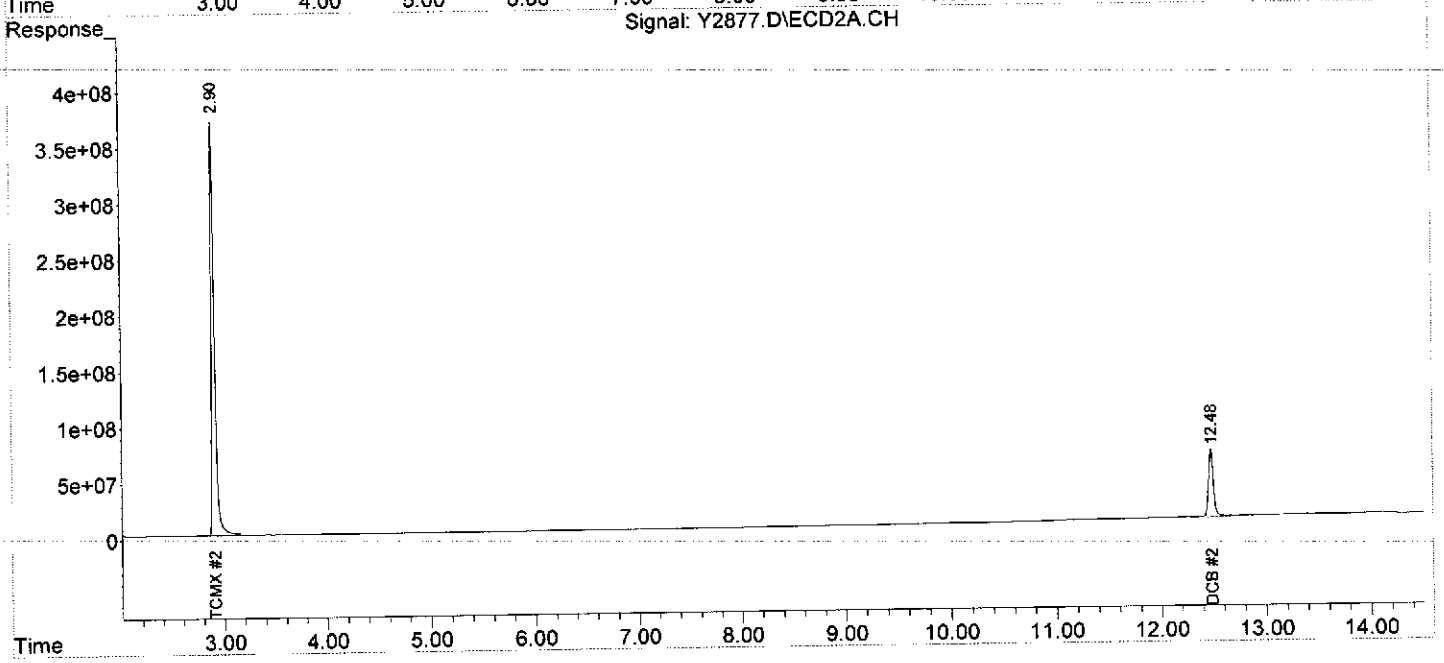
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2877.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 5:05
Operator : YG
Sample : R-35(4.0-5,10574-017,S,5.44g,13.0,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 09:54:06 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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 : Y2878.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 5:23
Operator : YG
Sample : R-35(5.0-5,10574-018,S,5.80g,61.1,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 09:55:12 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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	30105.1E6	10072.6E6	318.697	327.323
Spiked Amount 200.000			Recovery	=	159.35%	163.66%
2) S DCB	12.10	12.48	6390.5E6	2510.9E6	293.728	292.288
Spiked Amount 200.000			Recovery	=	146.86%	146.14%
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

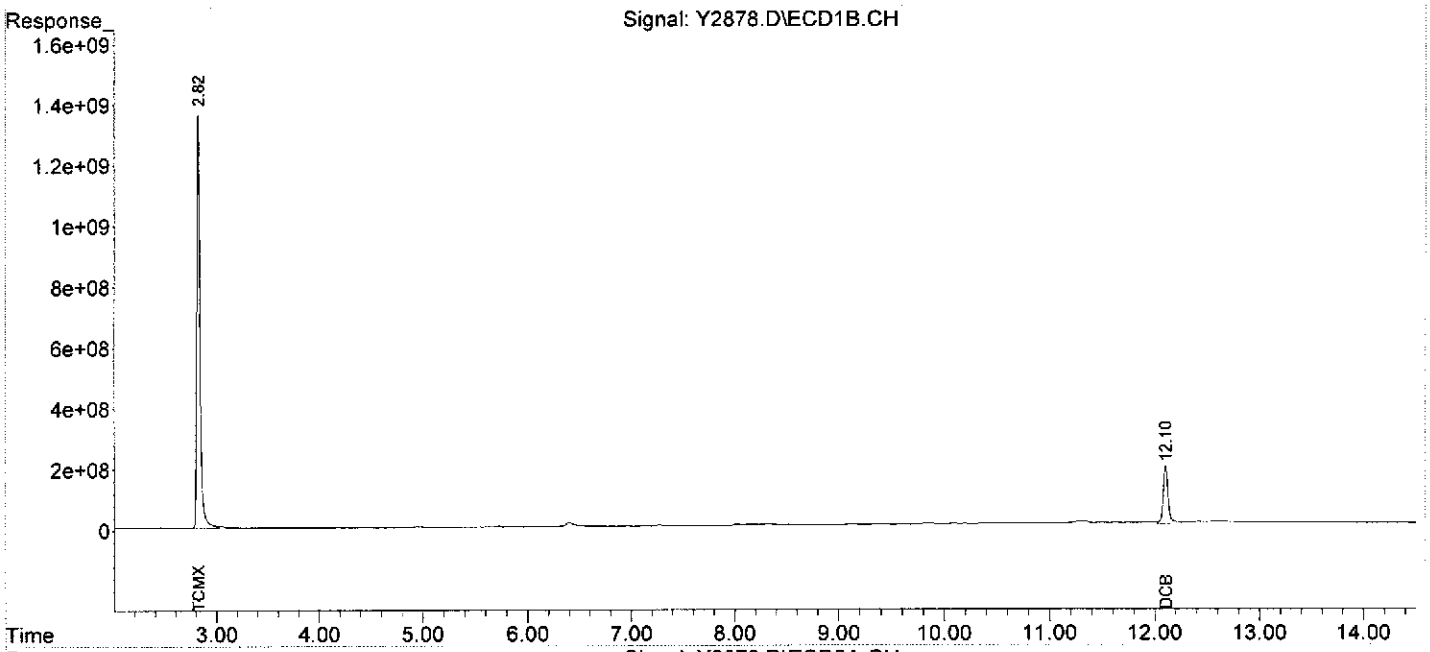
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

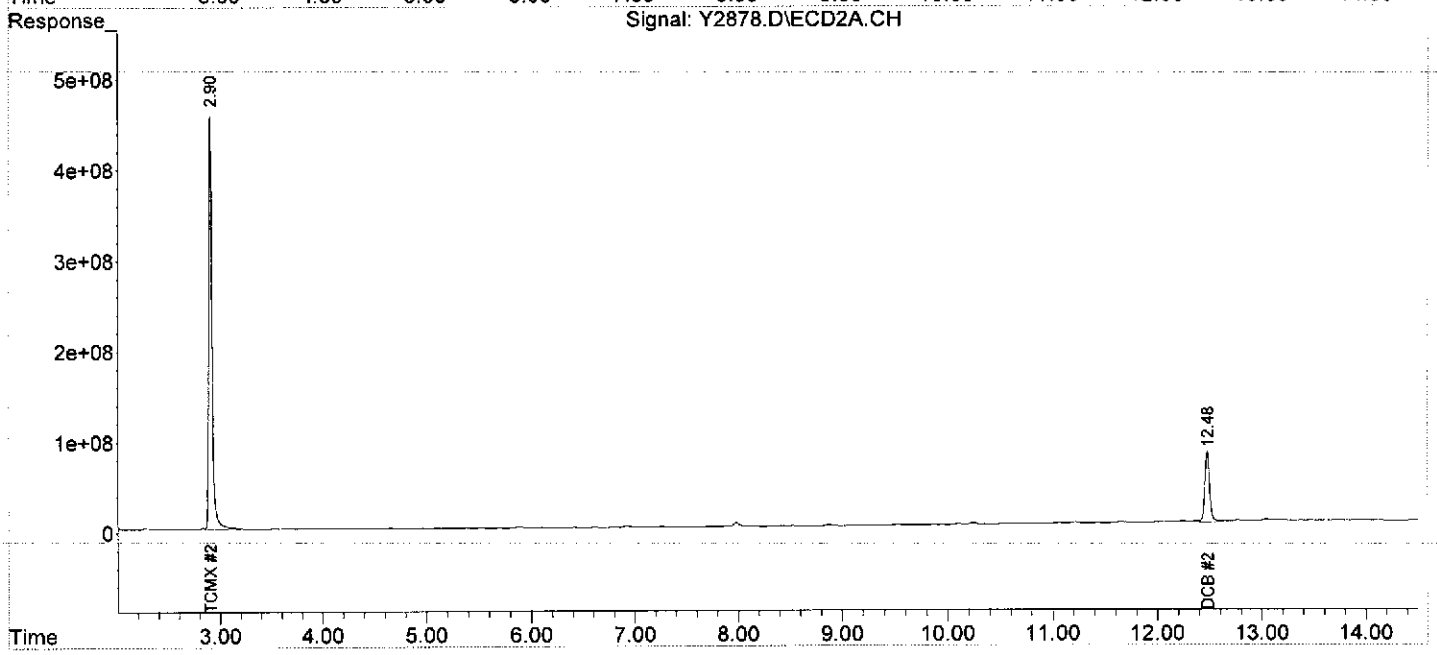
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2878.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 5:23
Operator : YG
Sample : R-35(5.0-5,10574-018,S,5.80g,61.1,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 09:55:12 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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 : Y2879.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 5:40
Operator : YG
Sample : R-35(5.5-6,10574-019,S,5.51g,23.8,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 09:55:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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	29769.0E6	9478.3E6	315.139	308.012
Spiked Amount 200.000			Recovery	=	157.57%	154.01%
2) S DCB	12.11	12.48	5227.2E6	2352.4E6	240.260	273.844
Spiked Amount 200.000			Recovery	=	120.13%	136.92%
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

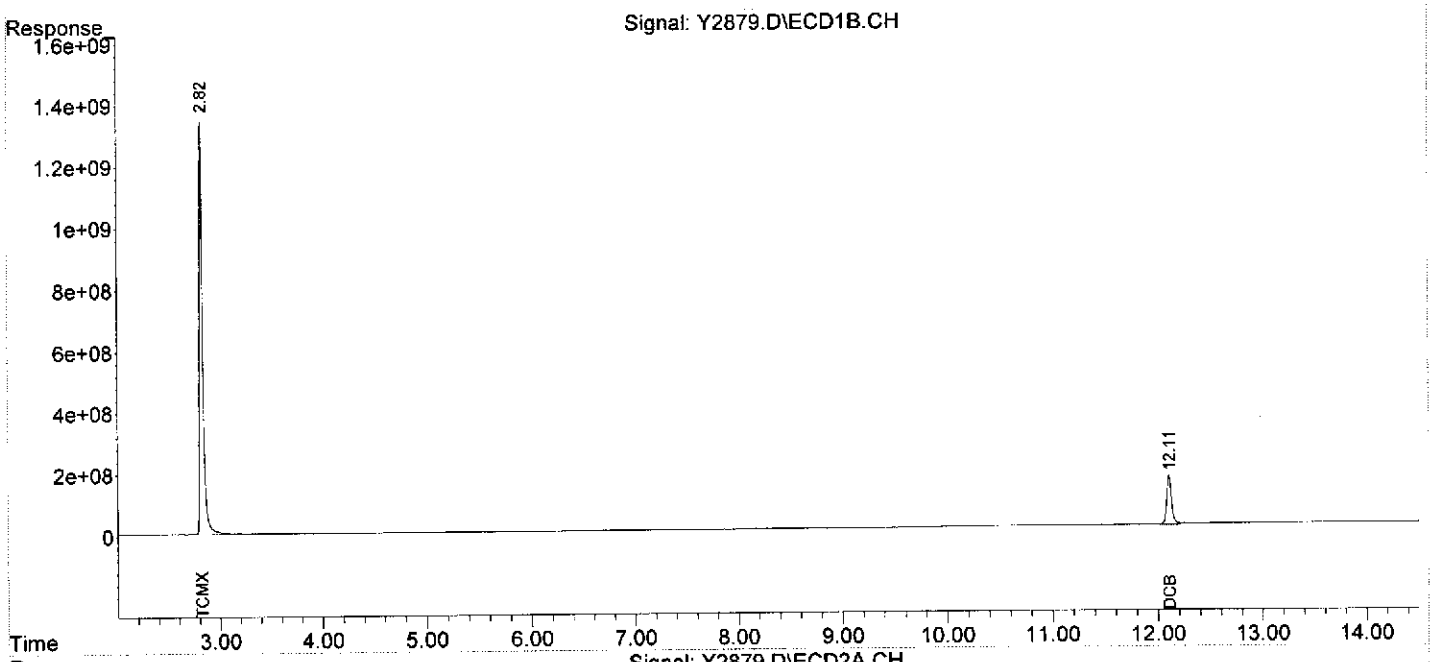
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

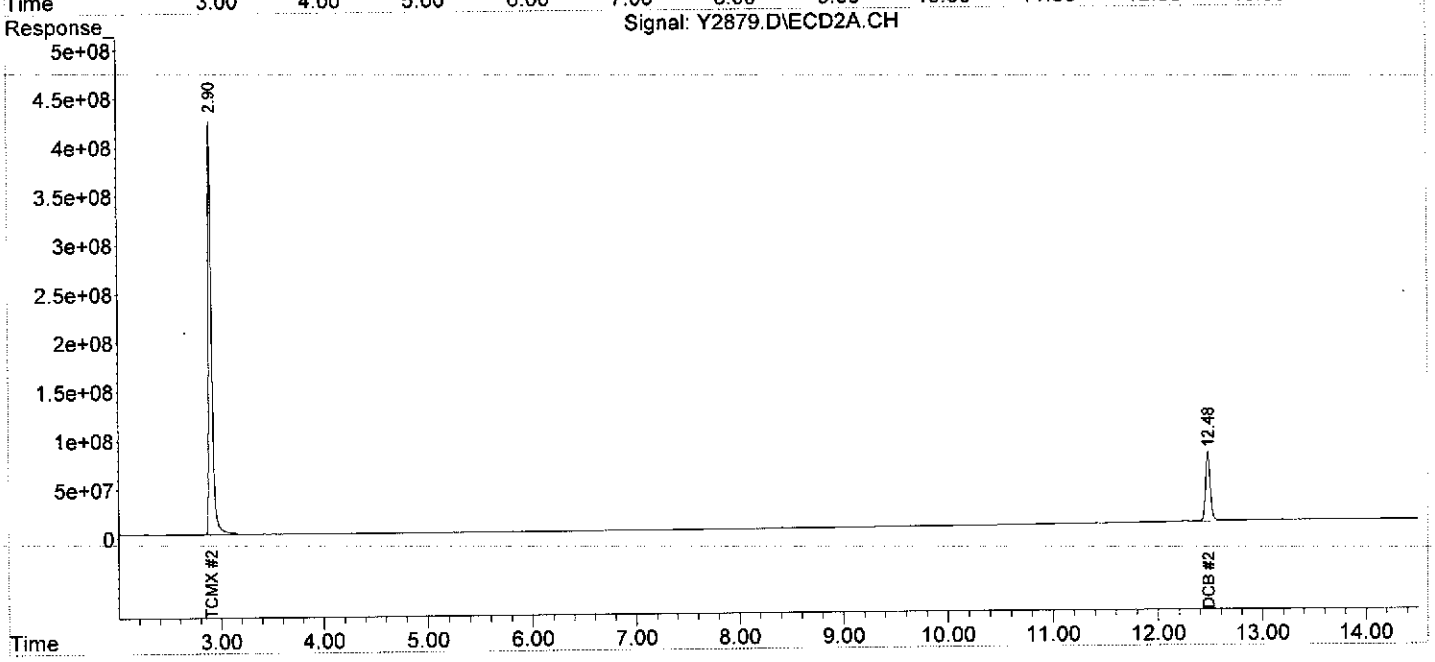
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2879.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 5:40
Operator : YG
Sample : R-35(5.5-6,10574-019,S,5.51g,23.8,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 09:55:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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 : Y2880.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 5:57
Operator : YG
Sample : R-34(0-2.0,10574-020,S,5.66g,10.3,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:07:44 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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	25211.4E6	8202.2E6	266.891	266.542
Spiked Amount 200.000			Recovery	=	133.45%	133.27%
2) S DCB	12.11	12.48	4757.2E6	2166.2E6	218.657	252.167
Spiked Amount 200.000			Recovery	=	109.33%	126.08%
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	1479.0E6	384.0E6	286.159	231.294
9) L7 Aroclor-1254 {2}	6.89	7.68	1055.7E6	320.7E6	323.549	247.684
0) L7 Aroclor-1254 {3}	7.06	8.30	2447.3E6	705.2E6	380.143	566.277 #
1) L7 Aroclor-1254 {4}	7.50	8.52	3104.0E6	475.5E6	481.697	625.015 #
2) L7 Aroclor-1254 {5}	8.33	9.11	2959.5E6	893.6E6	512.508	501.652
Sum Aroclor-1254			11045.5E6	2779.0E6	1984.056	2171.922
verage Aroclor-1254					396.811	434.384
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

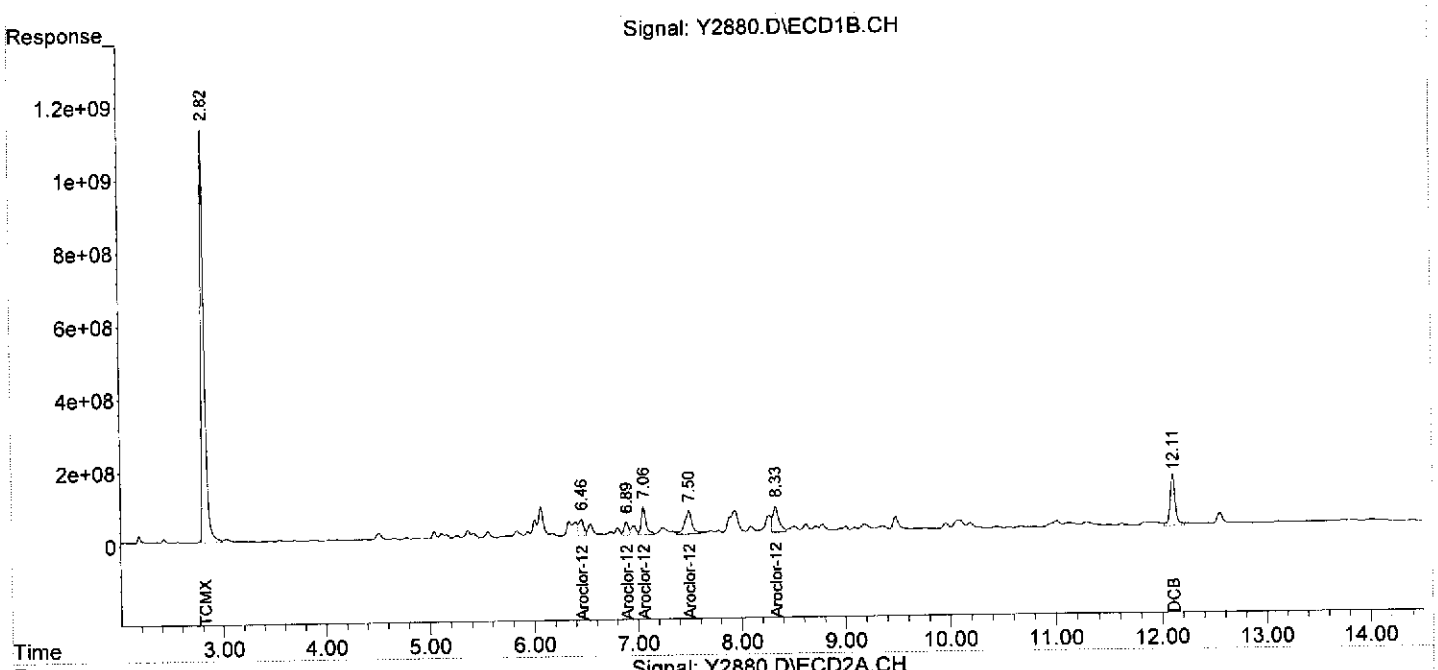
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

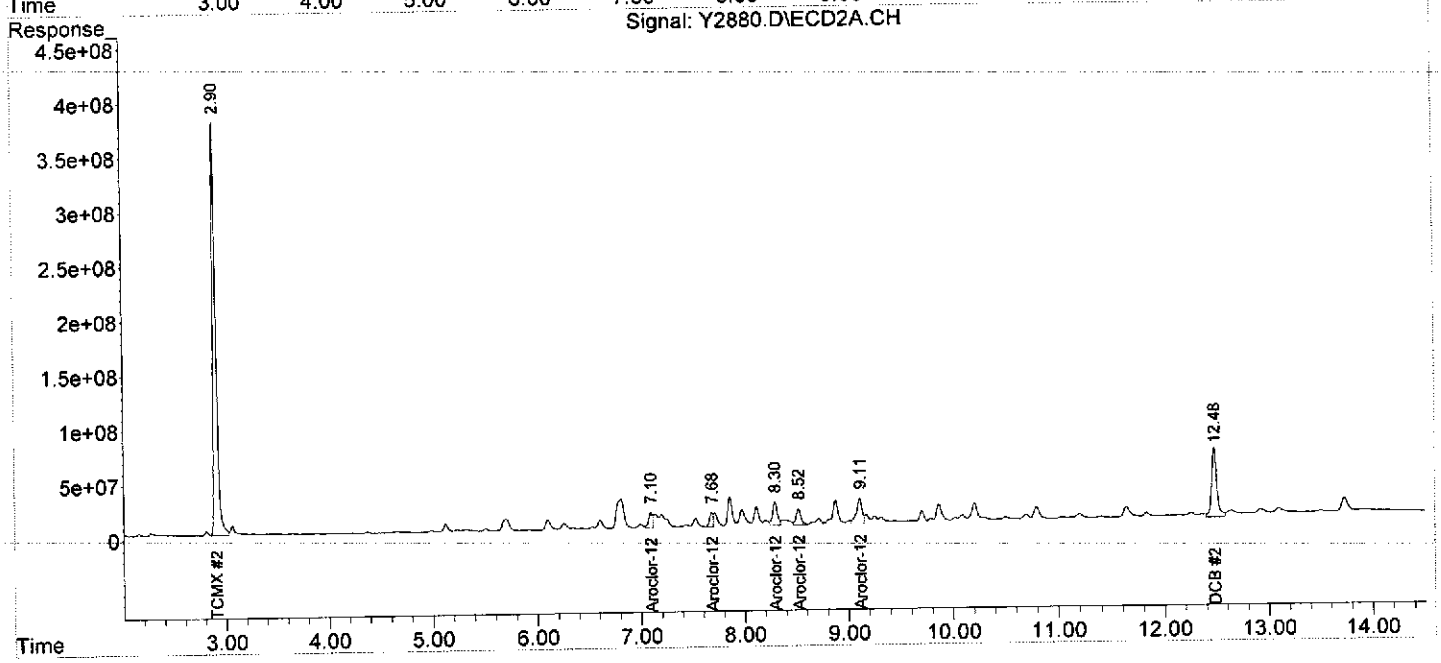
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2880.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 5:57
Operator : YG
Sample : R-34(0-2.0,10574-020,S,5.66g,10.3,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:07:44 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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 : Y2881.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 6:14
Operator : YG
Sample : R-34(2.0-4,10574-021,S,5.64g,13.2,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 10:07:00 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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	2.90	25796.8E6	8456.7E6	273.089	274.811
Spiked Amount 200.000			Recovery	=	136.54%	137.41%
) S DCB	12.11	12.48	4749.1E6	2434.0E6	218.285m	283.340m#
Spiked Amount 200.000			Recovery	=	109.14%	141.67%
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

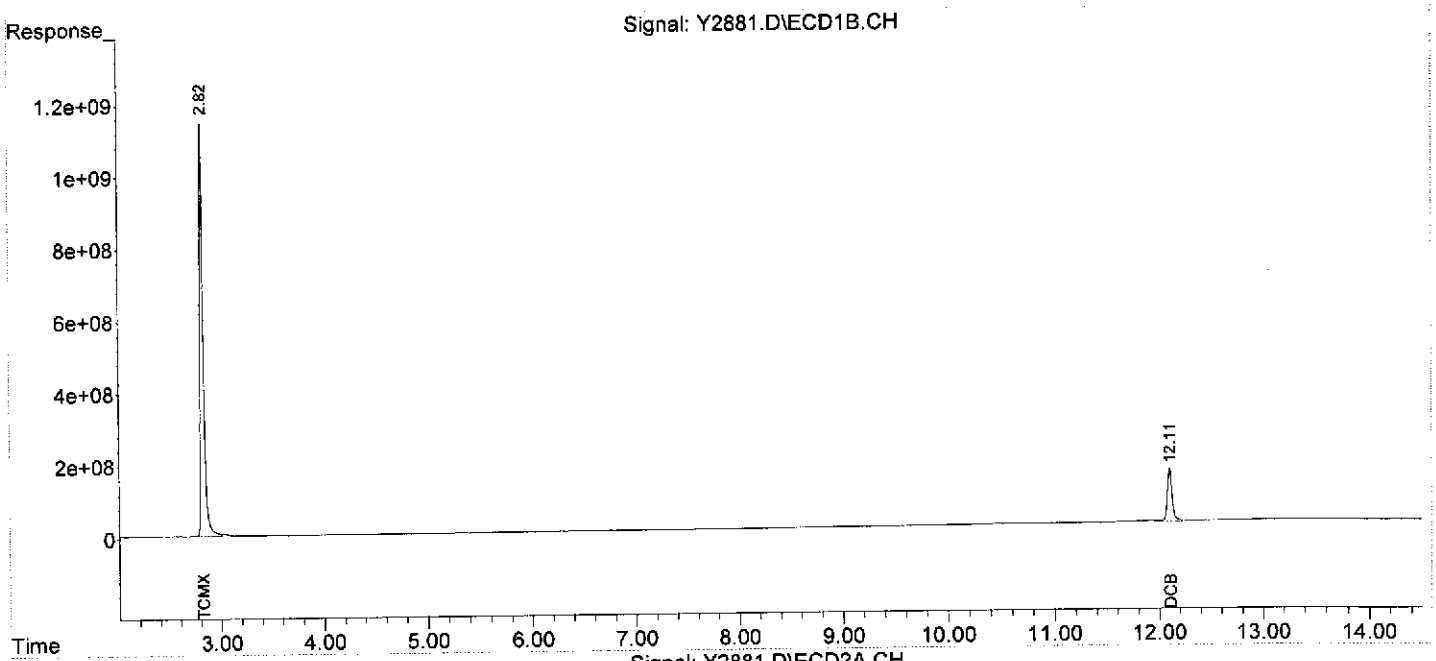
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

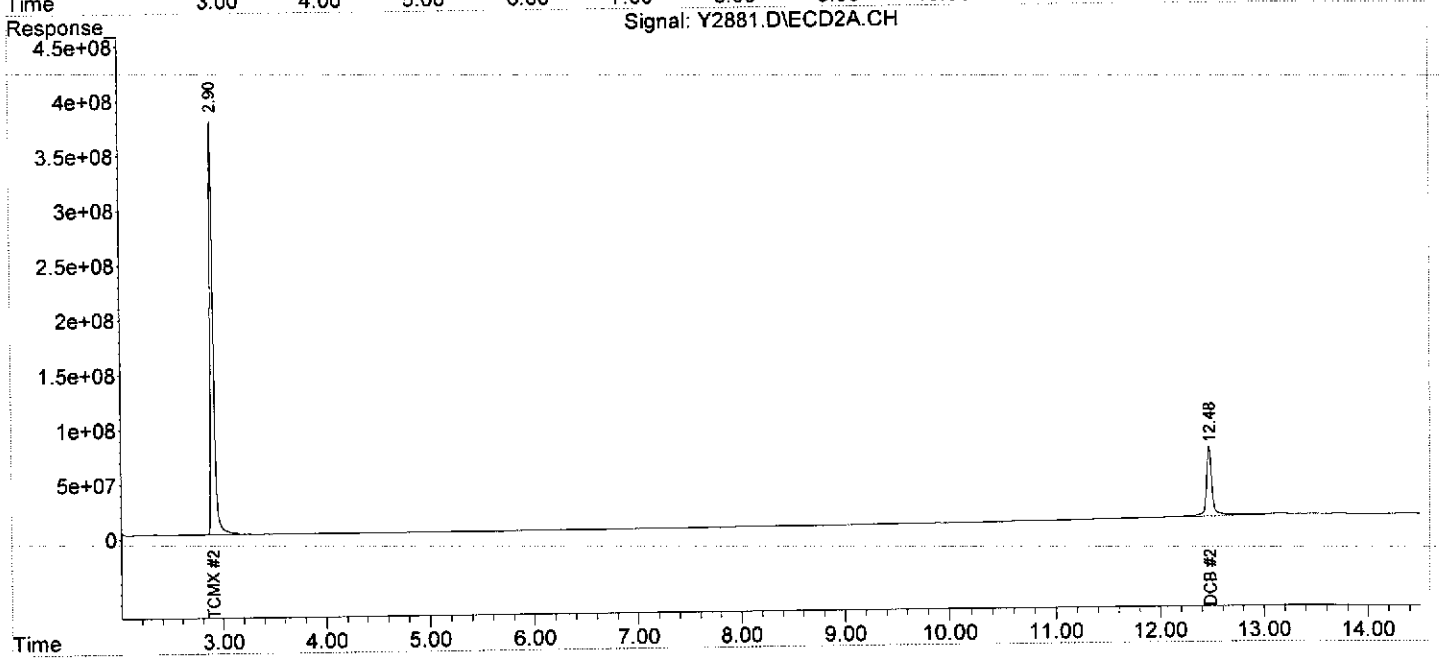
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2881.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 6:14
Operator : YG
Sample : R-34(2.0-4,10574-021,S,5.64g,13.2,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 10:07:00 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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 : Y2882.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 6:31
Operator : YG
Sample : R-34(4.0-5,10574-022,S,5.93g,79.0,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 10:07:41 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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	2.90	31921.0E6	10673.5E6	337.921	346.850
Spiked Amount 200.000			Recovery	=	168.96%	173.43%
) S DCB	12.11	12.48	5935.4E6	2462.3E6	272.809m	286.637m
Spiked Amount 200.000			Recovery	=	136.40%	143.32%
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
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

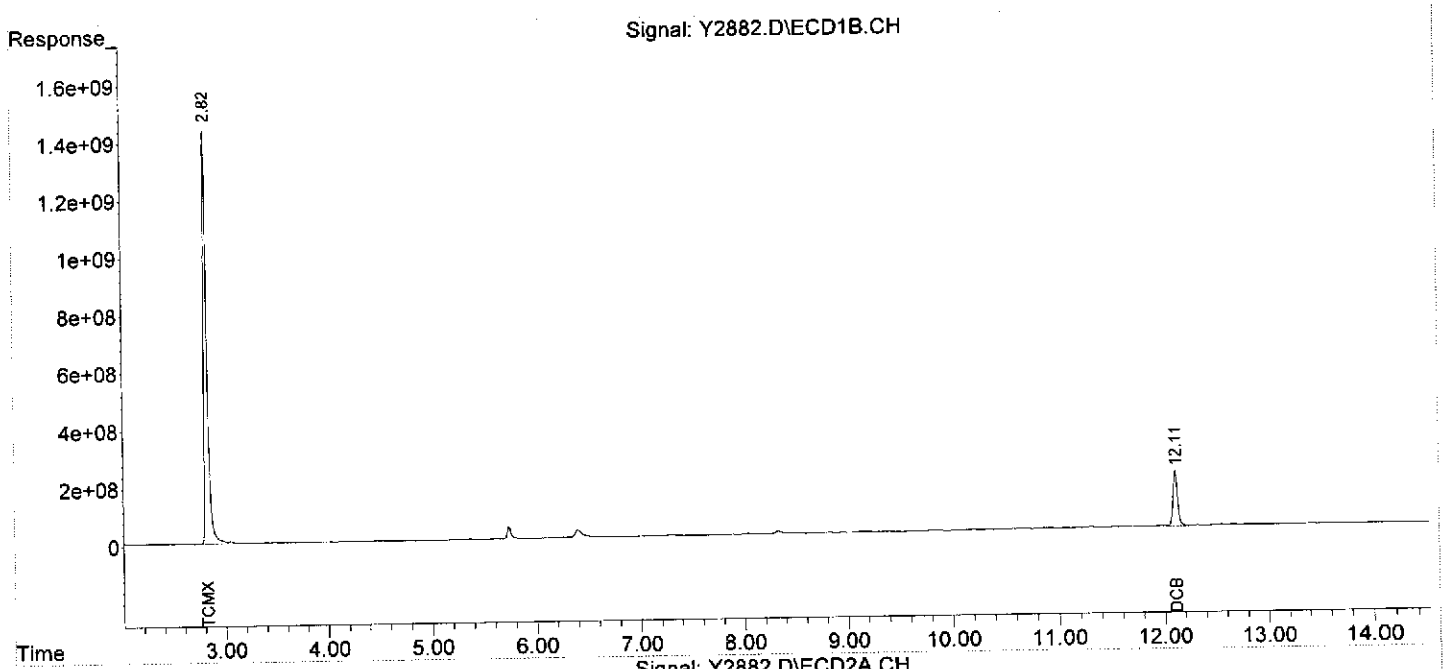
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

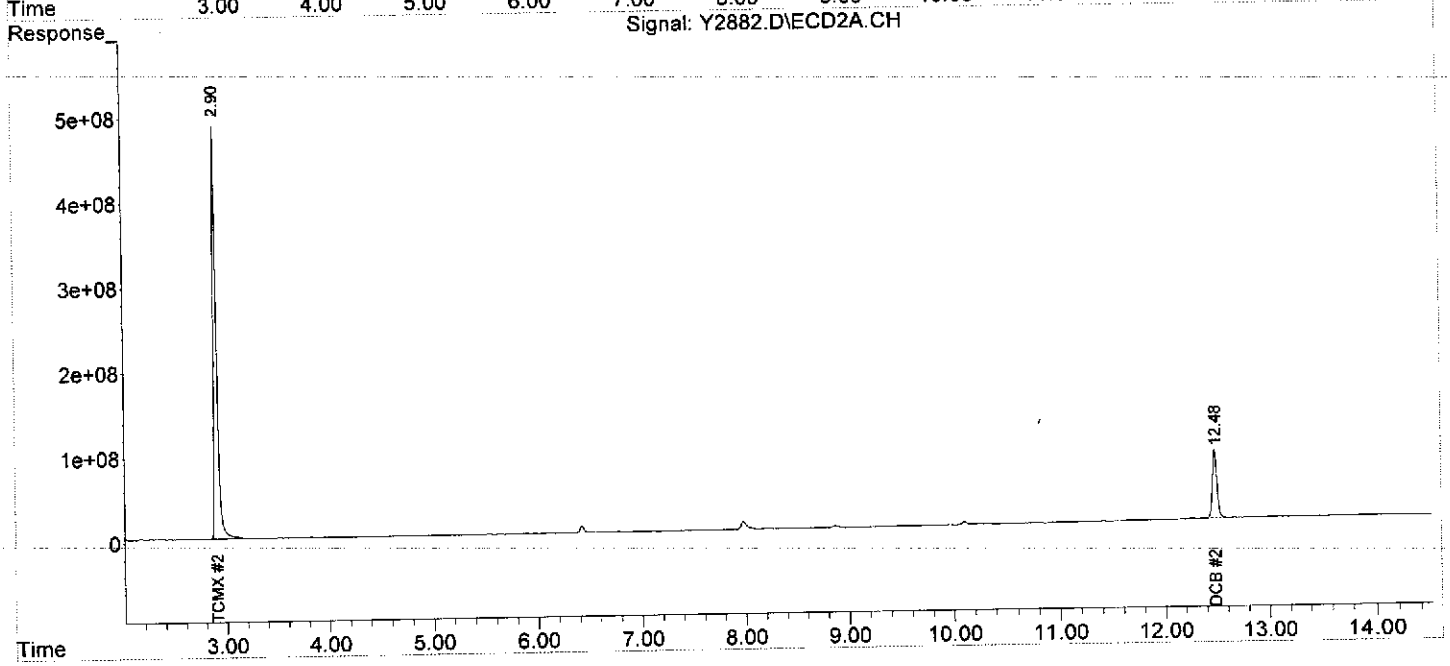
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2882.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 6:31
Operator : YG
Sample : R-34(4.0-5,10574-022,S,5.93g,79.0,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 10:07:41 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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 : Y2883.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 6:48
Operator : YG
Sample : R-34(5.0-6,10574-023,S,5.74g,24.5,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 10:08:10 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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	2.90	27690.3E6	8842.8E6	293.134	287.358
Spiked Amount 200.000			Recovery	=	146.57%	143.68%
) S DCB	12.10	12.48	4248.7E6	2152.0E6	195.285	250.509 #
Spiked Amount 200.000			Recovery	=	97.64%	125.25%
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

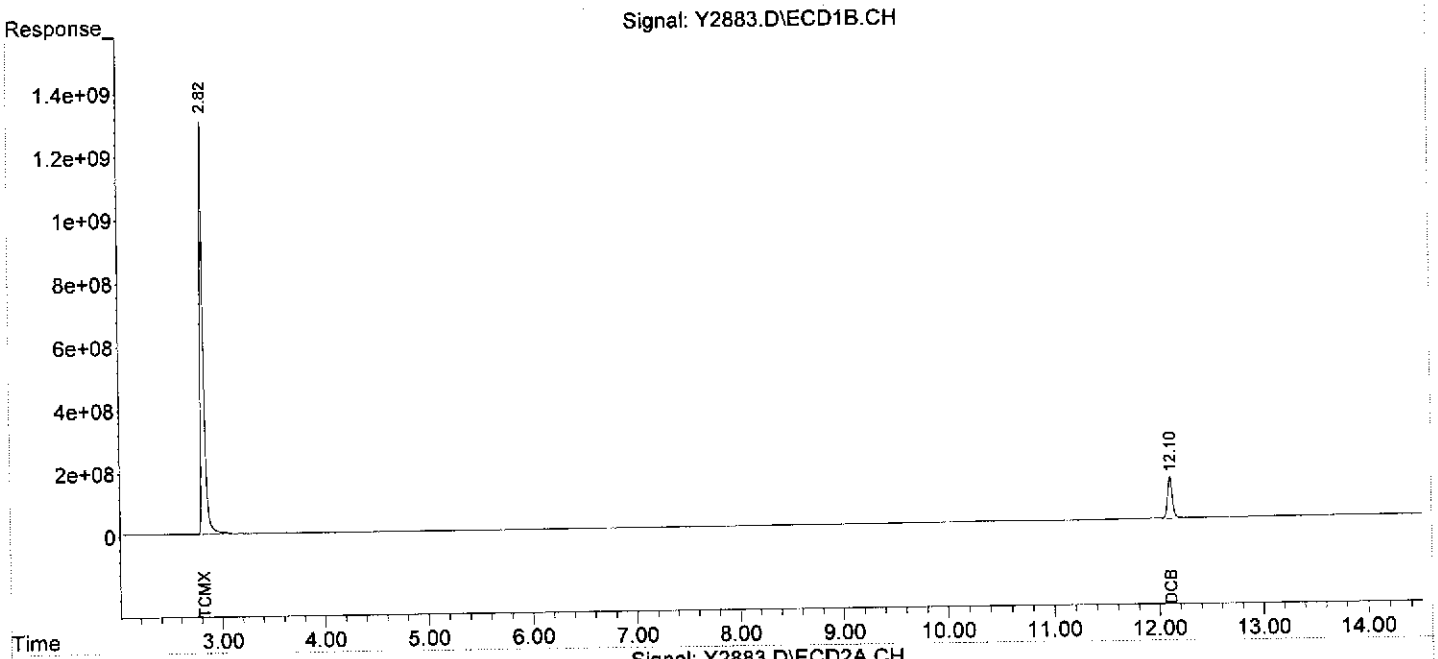
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

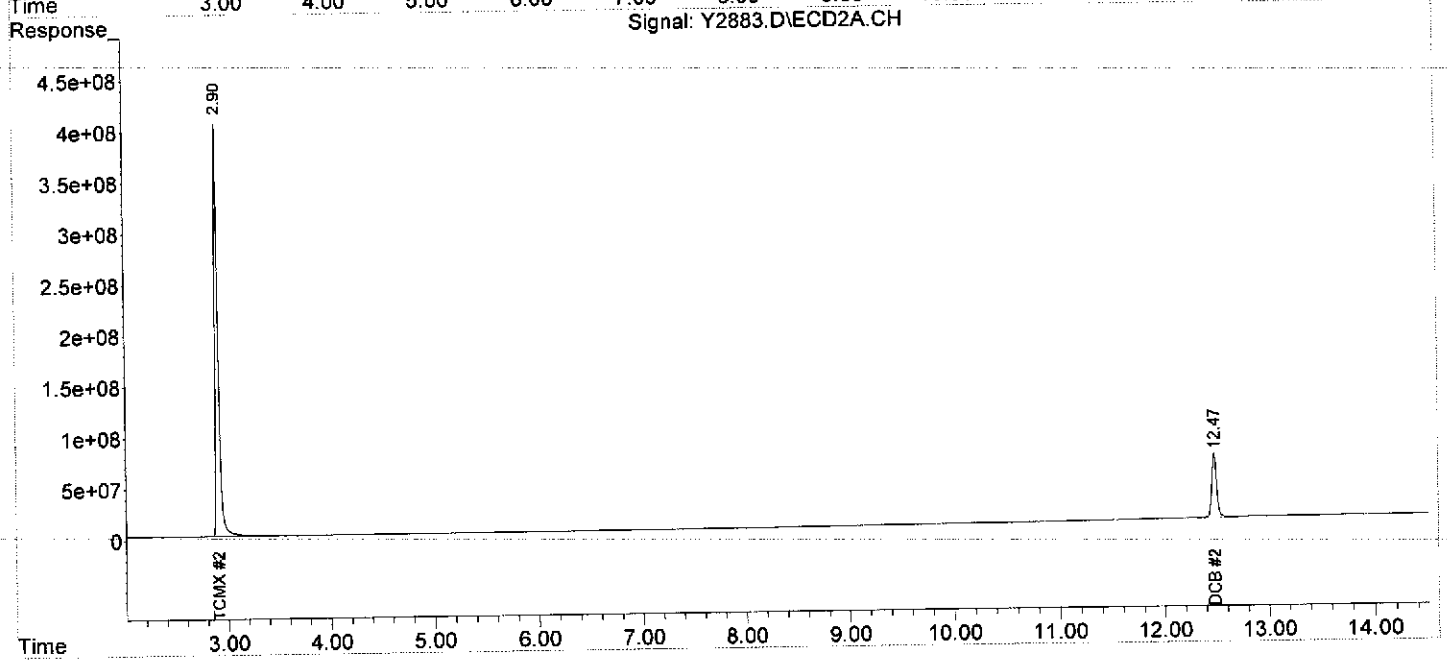
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2883.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 6:48
Operator : YG
Sample : R-34(5.0-6,10574-023,S,5.74g,24.5,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 10:08:10 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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 : Y2884.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 7:05
Operator : YG
Sample : T-34(0-2.0,10574-024,S,5.66g,11.6,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:08:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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	25627.2E6	8378.7E6	271.294	272.278	
Spiked Amount 200.000			Recovery	=	135.65%	136.14%	
2) S DCB	12.11	12.48	5185.2E6	2030.5E6	238.330	236.369	
Spiked Amount 200.000			Recovery	=	119.17%	118.18%	
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	
3) L7 Aroclor-1254	6.46	7.10	1101.1E6	219.1E6	213.029	131.929	#
9) L7 Aroclor-1254 {2}	6.89	7.68	604.9E6	314.2E6	185.395	242.723	#
0) L7 Aroclor-1254 {3}	7.06	8.30	1321.3E6	319.8E6	205.237	256.782	#
1) L7 Aroclor-1254 {4}	7.50	8.52	1540.9E6	269.0E6	239.122	353.555	#
2) L7 Aroclor-1254 {5}	8.34	9.11	1882.2E6	462.0E6	325.955	259.348	
Sum Aroclor-1254			6450.3E6	1584.0E6	1168.738	1244.337	
verage Aroclor-1254					233.748	248.867	
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	

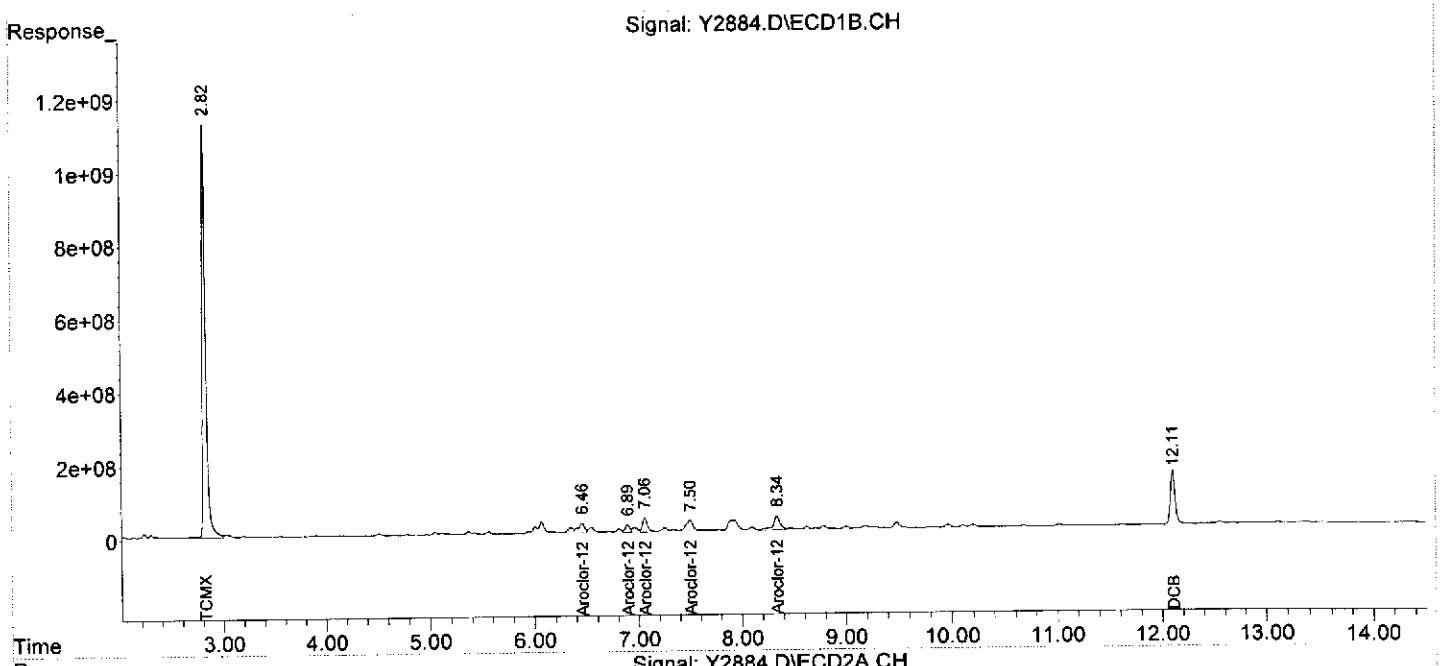
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

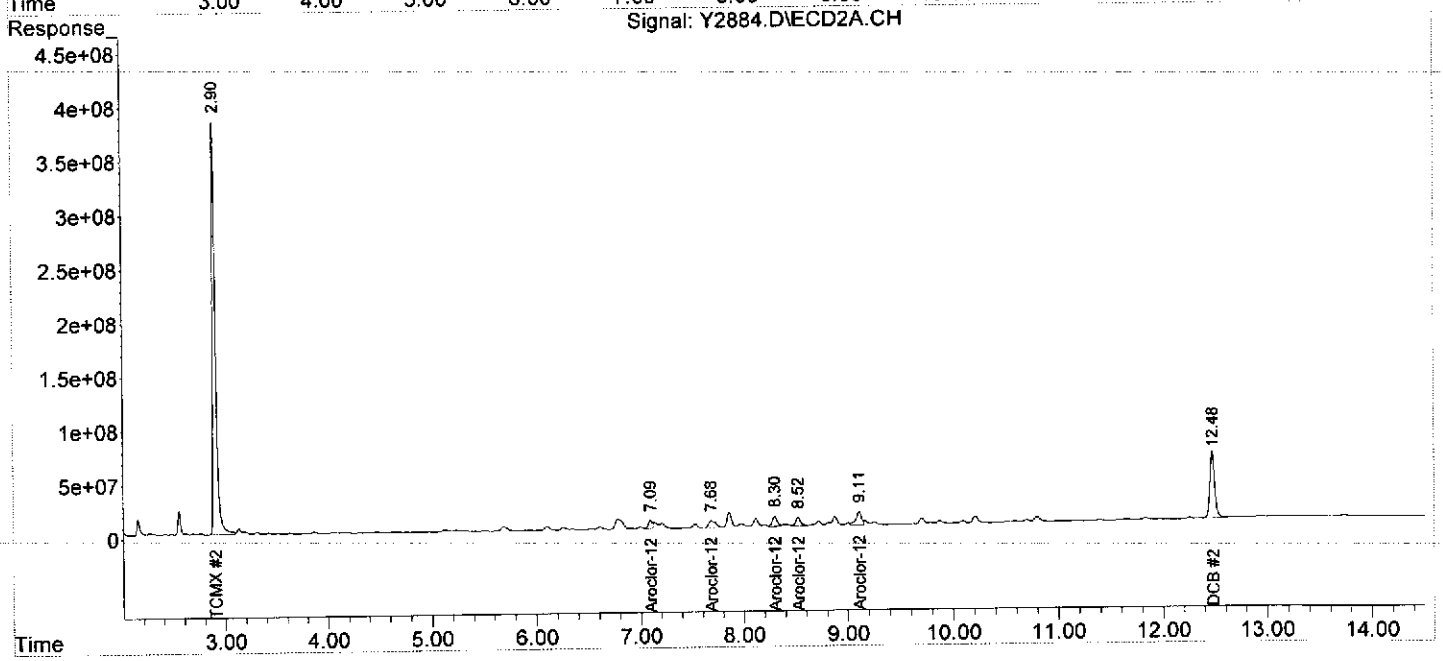
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2884.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 7:05
Operator : YG
Sample : T-34(0-2.0,10574-024,S,5.66g,11.6,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:08:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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 : Y2885.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 7:23
Operator : YG
Sample : T-34(2.0-4,10574-025,S,5.81g,10.0,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 10:13:32 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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	25463.6E6	8272.3E6	269.561	268.821
Spiked Amount 200.000			Recovery	=	134.78%	134.41%
) S DCB	12.10	12.48	4030.0E6	2240.7E6	185.232	260.842 #
Spiked Amount 200.000			Recovery	=	92.62%	130.42%
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

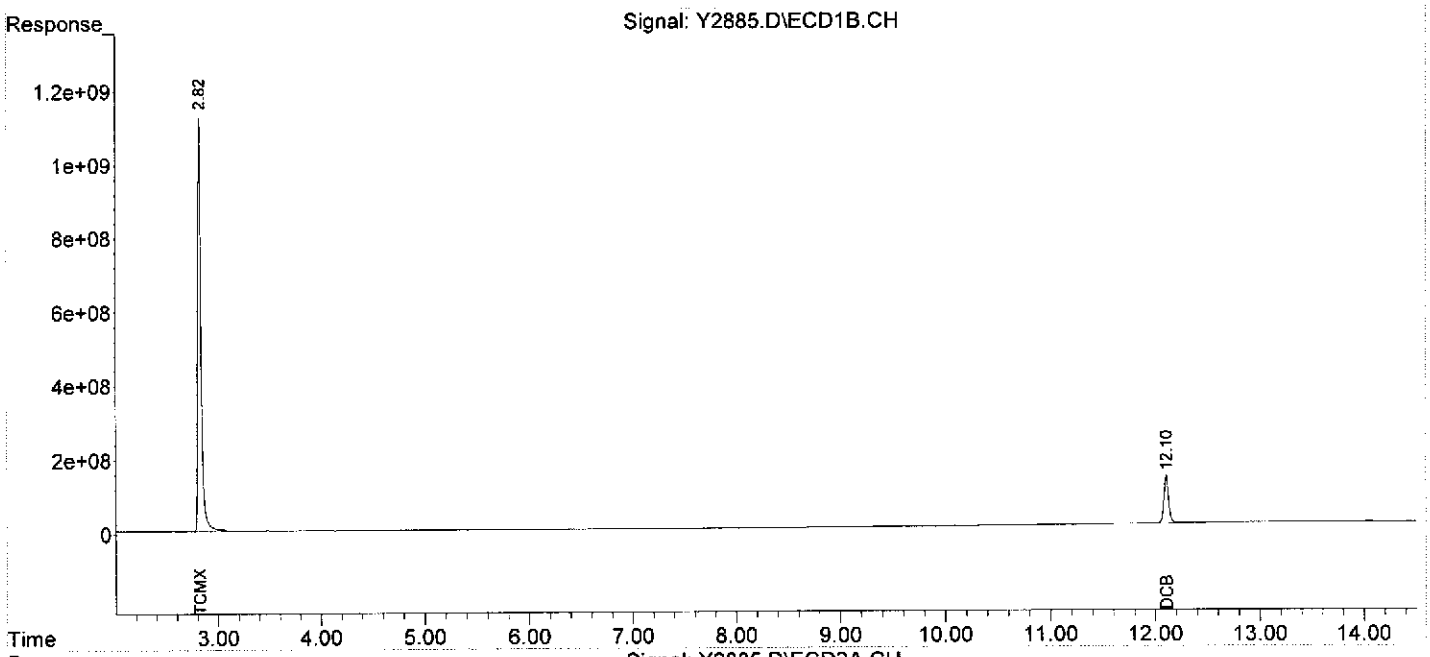
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

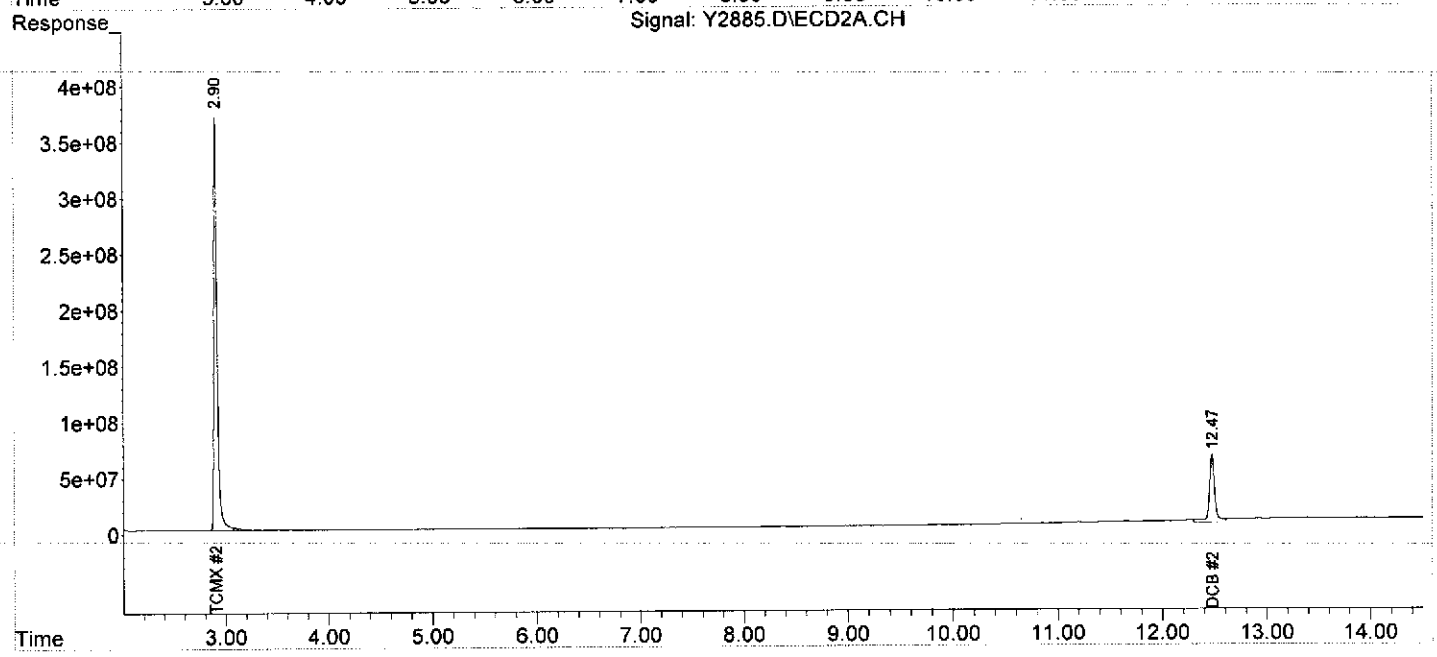
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2885.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 7:23
Operator : YG
Sample : T-34(2.0-4,10574-025,S,5.81g,10.0,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 10:13:32 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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 : Y2886.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 7:40
Operator : YG
Sample : T-34(4.0-5,10574-026,S,5.78g,77.6,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 10:14:01 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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	31007.8E6	10388.8E6	328.253	337.597
Spiked Amount 200.000			Recovery	=	164.13%	168.80%
2) S DCB	12.11	12.48	6262.4E6	2567.9E6	287.842	298.930
Spiked Amount 200.000			Recovery	=	143.92%	149.47%
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

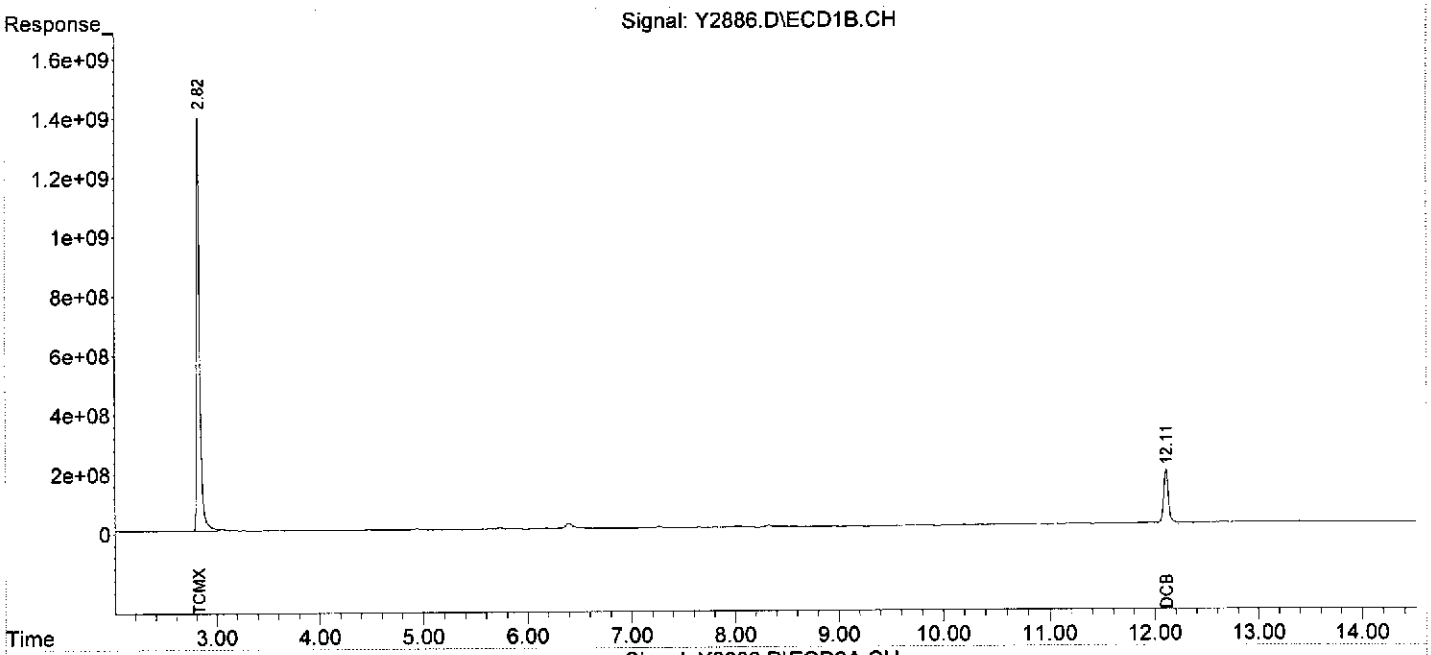
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

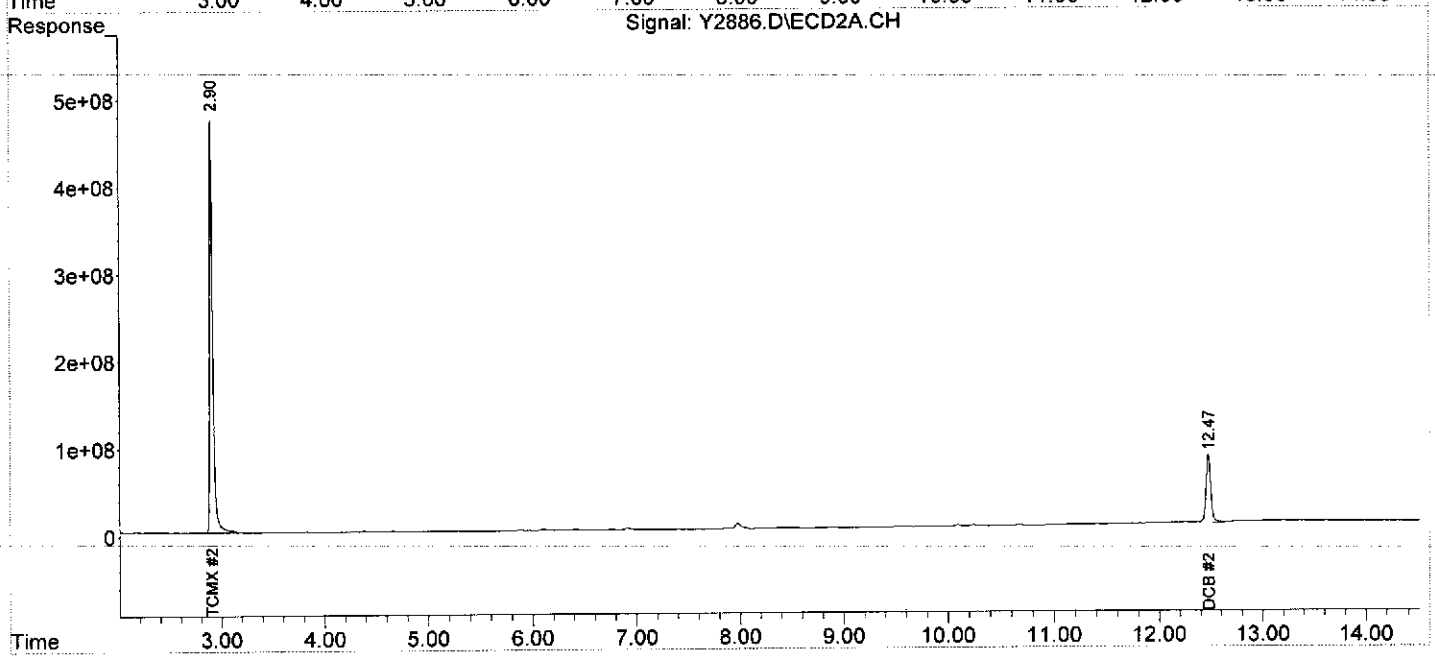
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2886.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 7:40
Operator : YG
Sample : T-34(4.0-5,10574-026,S,5.78g,77.6,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 10:14:01 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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 : Y2887.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 7:57
Operator : YG
Sample : T-34(5.0-6,10574-027,S,5.92g,25.5,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 10:14:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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	2.90	27561.3E6	8843.0E6	291.769	287.364
Spiked Amount 200.000			Recovery	=	145.88%	143.68%
) S DCB	12.10	12.48	4338.6E6	2153.1E6	199.415	250.633 #
Spiked Amount 200.000			Recovery	=	99.71%	125.32%
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

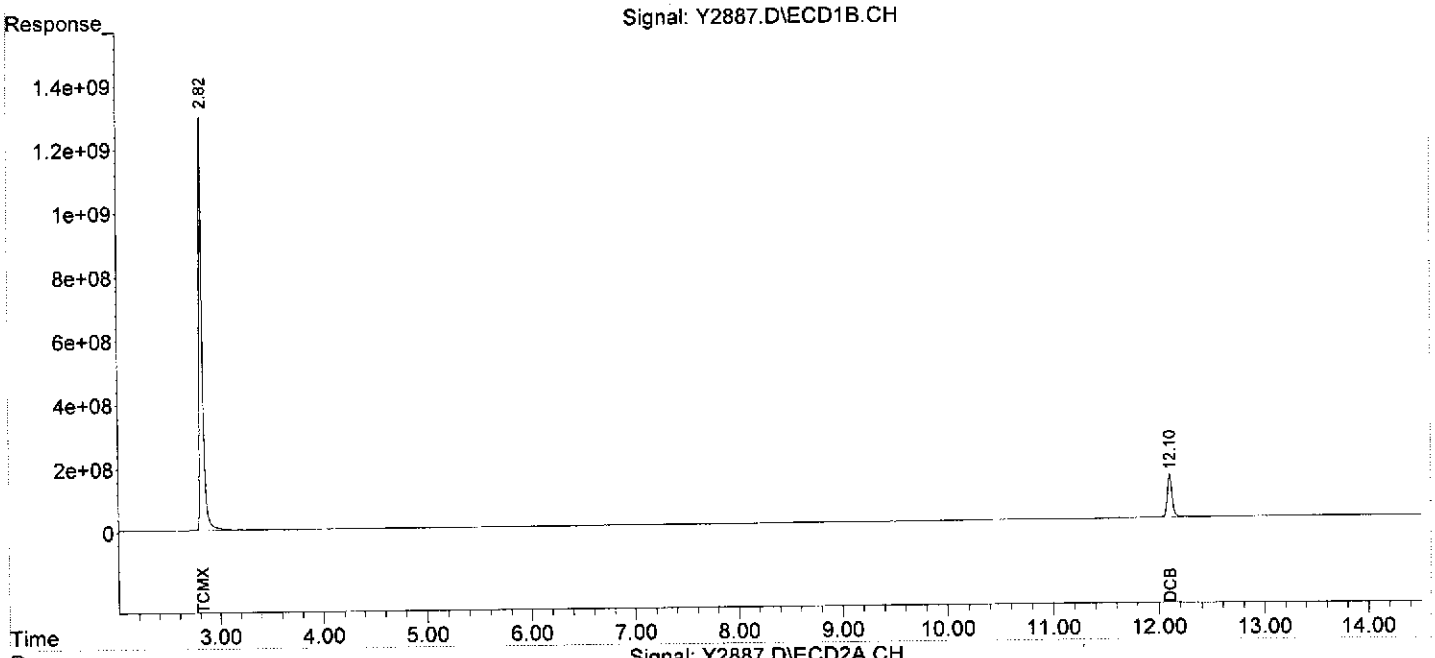
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

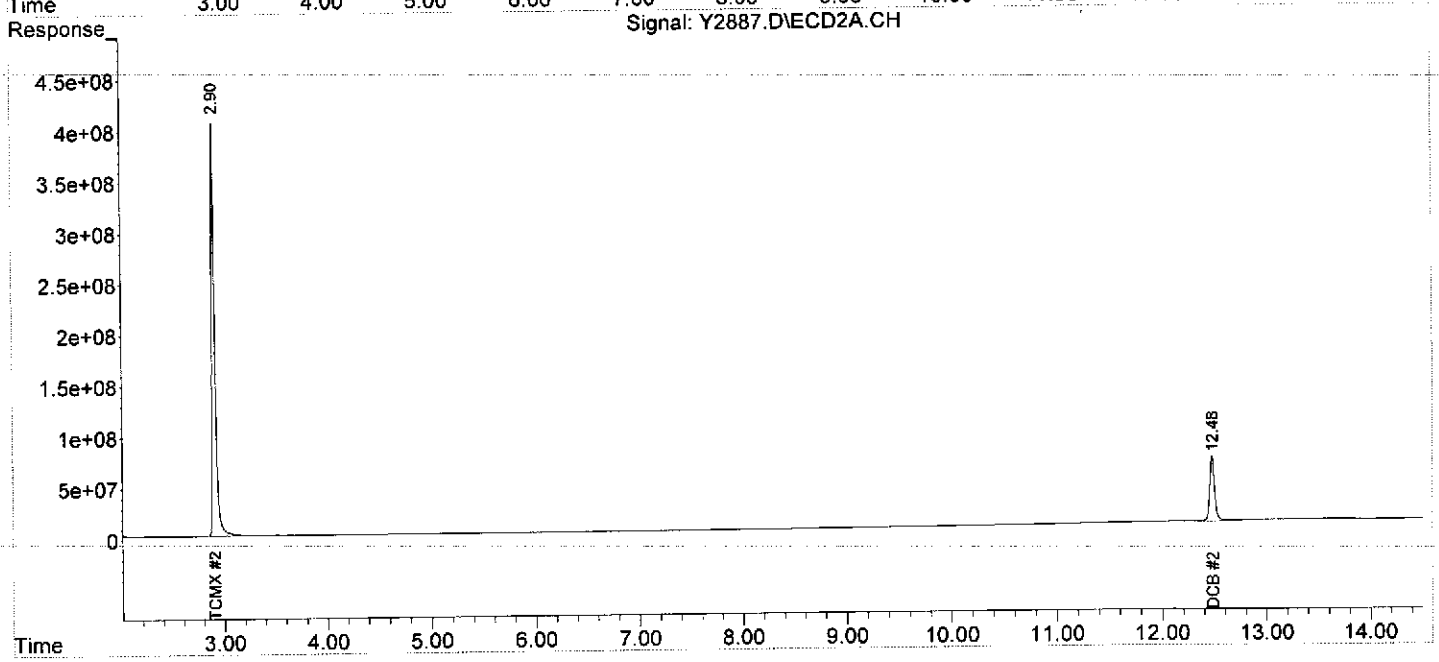
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2887.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 7:57
Operator : YG
Sample : T-34(5.0-6,10574-027,S,5.92g,25.5,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 10:14:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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 : Y2888.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 8:14
Operator : YG
Sample : T-33(0-2.0,10574-028,S,5.05g,3.40,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 10:39:02 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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	16969.3E6	6836.8E6	179.639	222.170
Spiked Amount 200.000			Recovery	=	89.82%	111.08%
2) S DCB	12.11	12.48	3877.1E6	2031.1E6	178.205m	236.440m#
Spiked Amount 200.000			Recovery	=	89.10%	118.22%
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

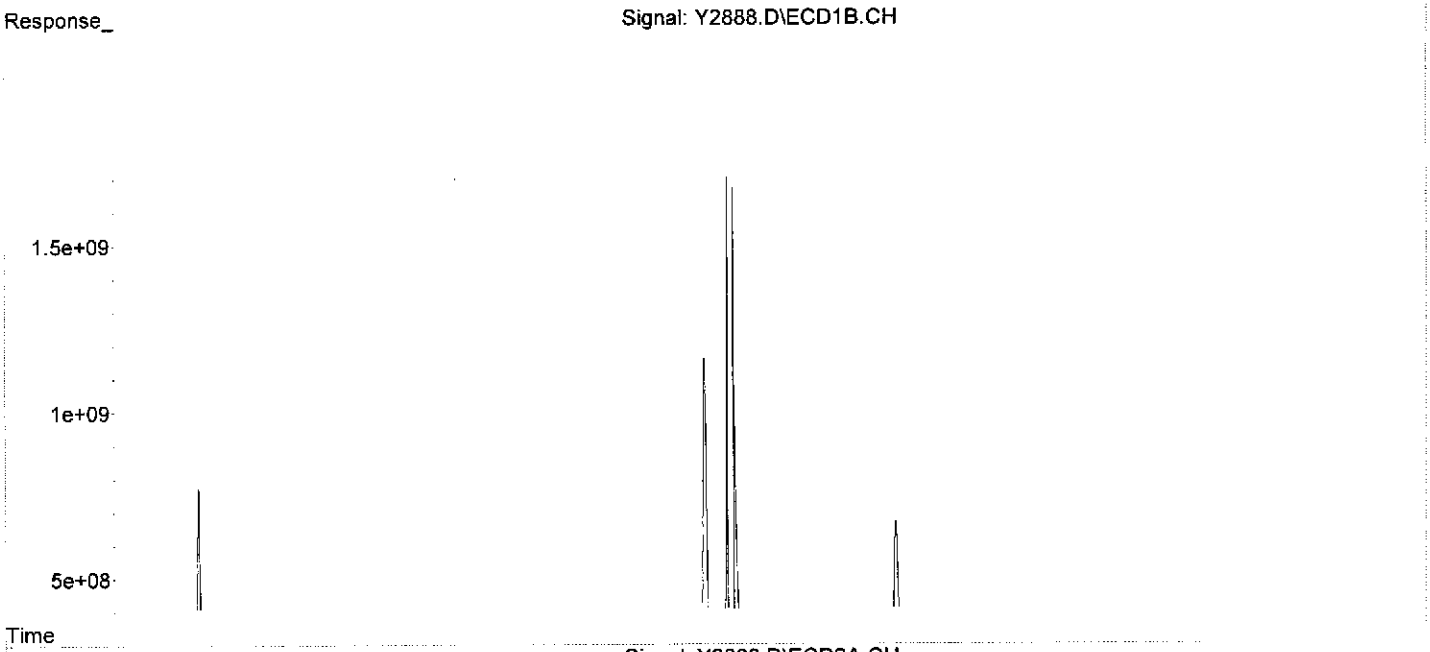
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

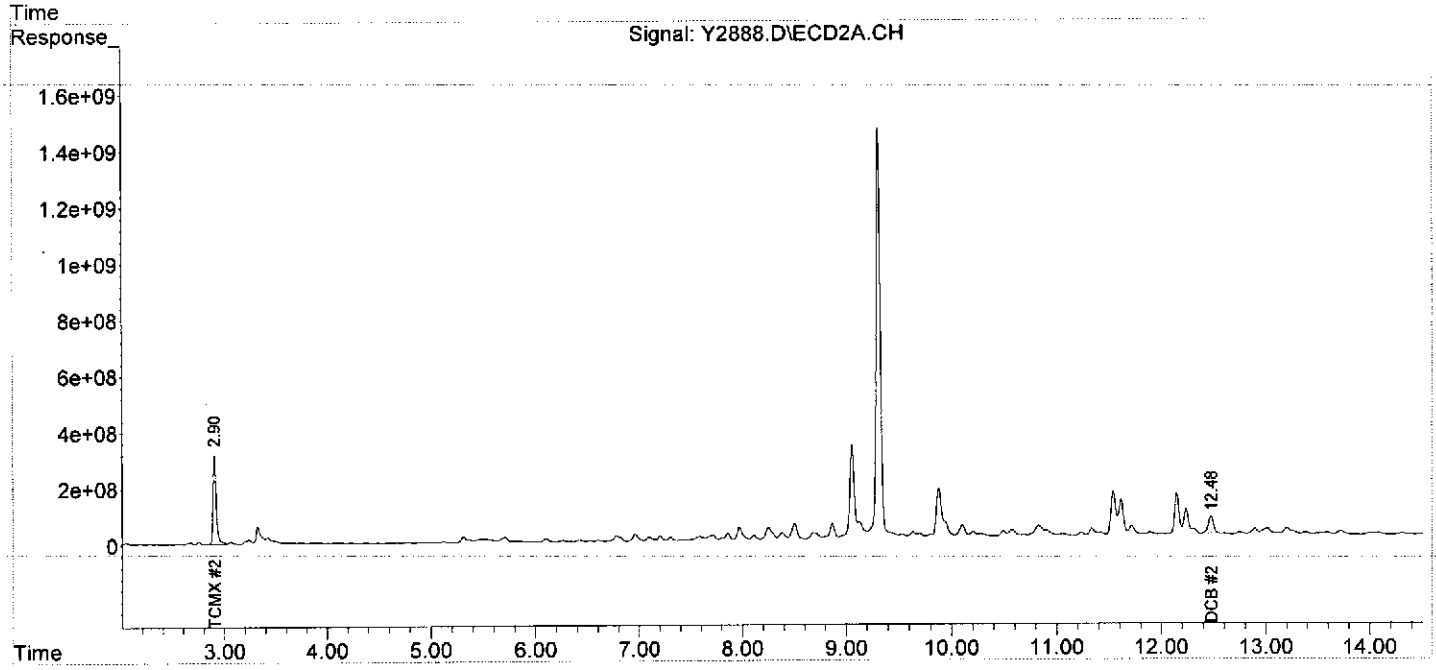
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2888.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 8:14
Operator : YG
Sample : T-33(0-2.0,10574-028,S,5.05g,3.40,10/22/12,4
Misc : 121022-03,10/18/12,10/18/12,1
ALS Vial : 58 Sample Multiplier: 1

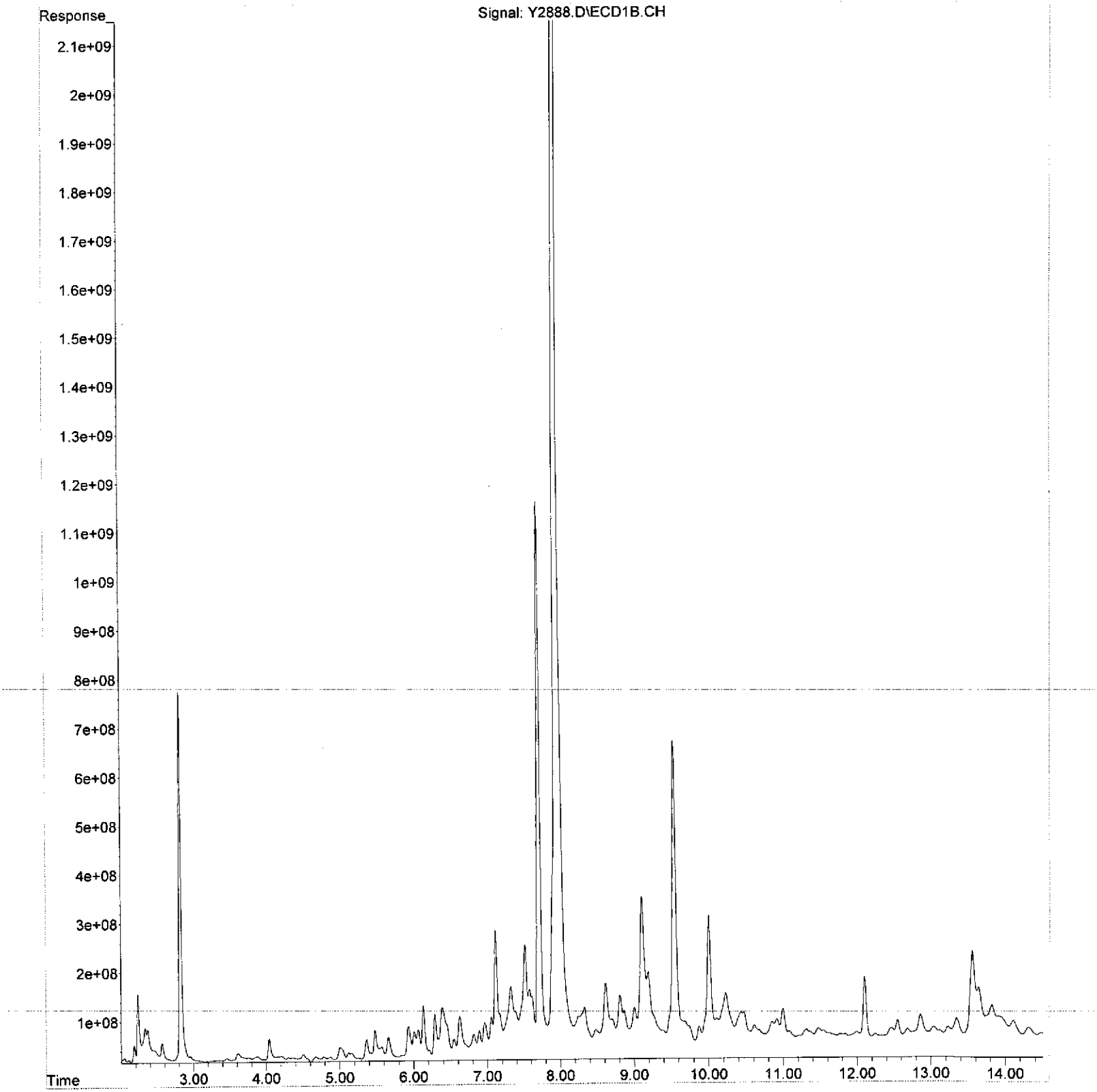
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 10:39:02 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

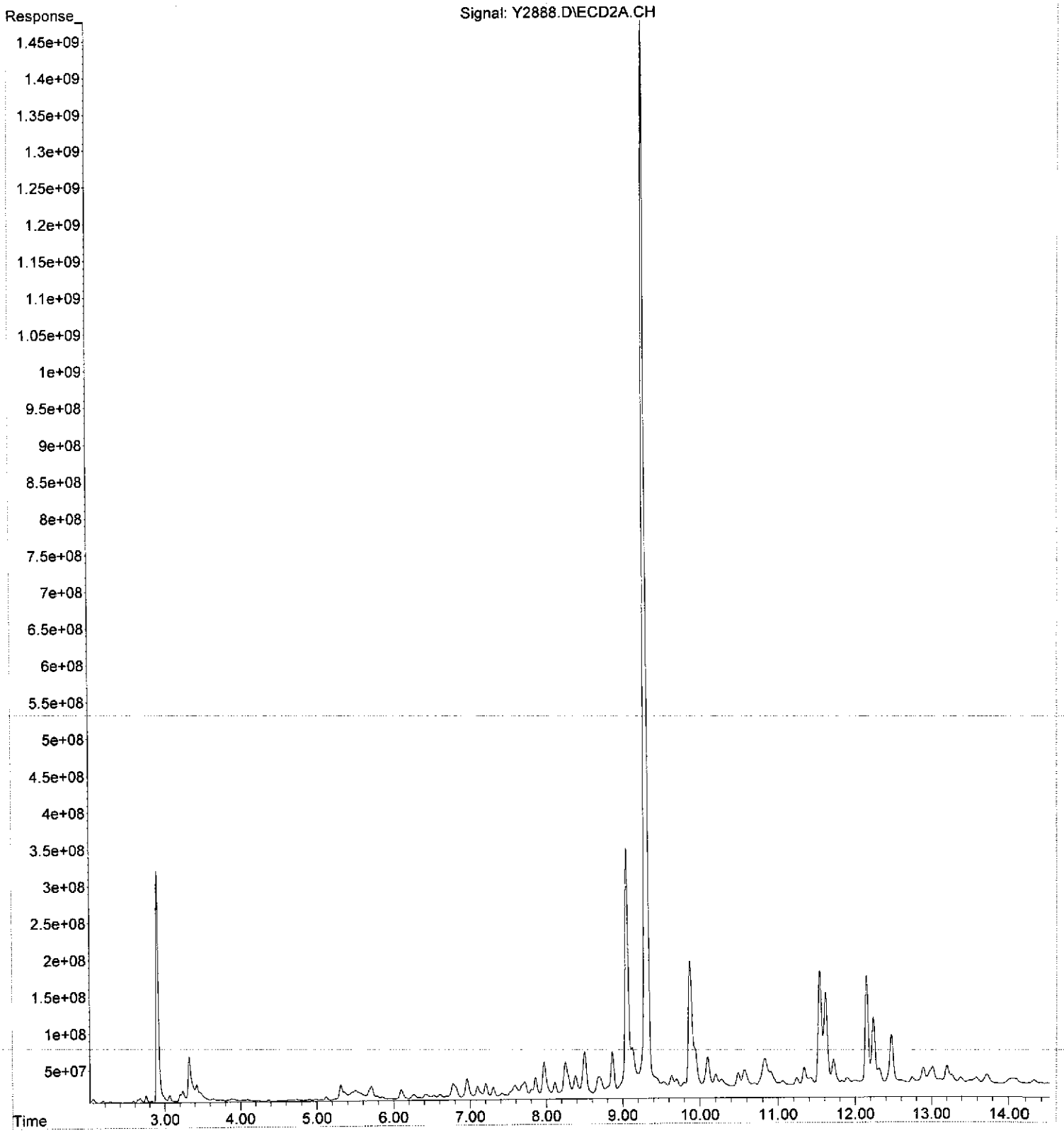




File :C:\MSDCHEM\1\DATA\10-24-12\Y2888.D
Operator : YG
Acquired : 25 Oct 2012 8:14 using AcqMethod YPCB1024.M
Instrument : GC_Y
Sample Name: T-33(0-2.0,10574-028,S,5.05g,3.40,10/22/12,4
Misc Info : 121022-03,10/18/12,10/18/12,1
Vial Number: 58



File :C:\MSDCHEM\1\DATA\10-24-12\Y2888.D
Operator : YG
Acquired : 25 Oct 2012 8:14 using AcqMethod YPCB1024.M
Instrument : GC_Y
Sample Name: T-33(0-2.0,10574-028,S,5.05g,3.40,10/22/12,4
Misc Info : 121022-03,10/18/12,10/18/12,1
Vial Number: 58



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2895.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 10:14
Operator : YG
Sample : T-33(2.0-4,10574-029,S,5.17g,6.10,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 63 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:20:03 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						
) S TCMX	2.82	2.90	10242.1E6	4205.2E6	100.975	127.520 #
Spiked Amount 200.000			Recovery	=	50.49%	63.76%
) S DCB	12.10	12.47	2856.4E6	2024.7E6	112.045m	194.993m#
Spiked Amount 200.000			Recovery	=	56.02%	97.50%
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.
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

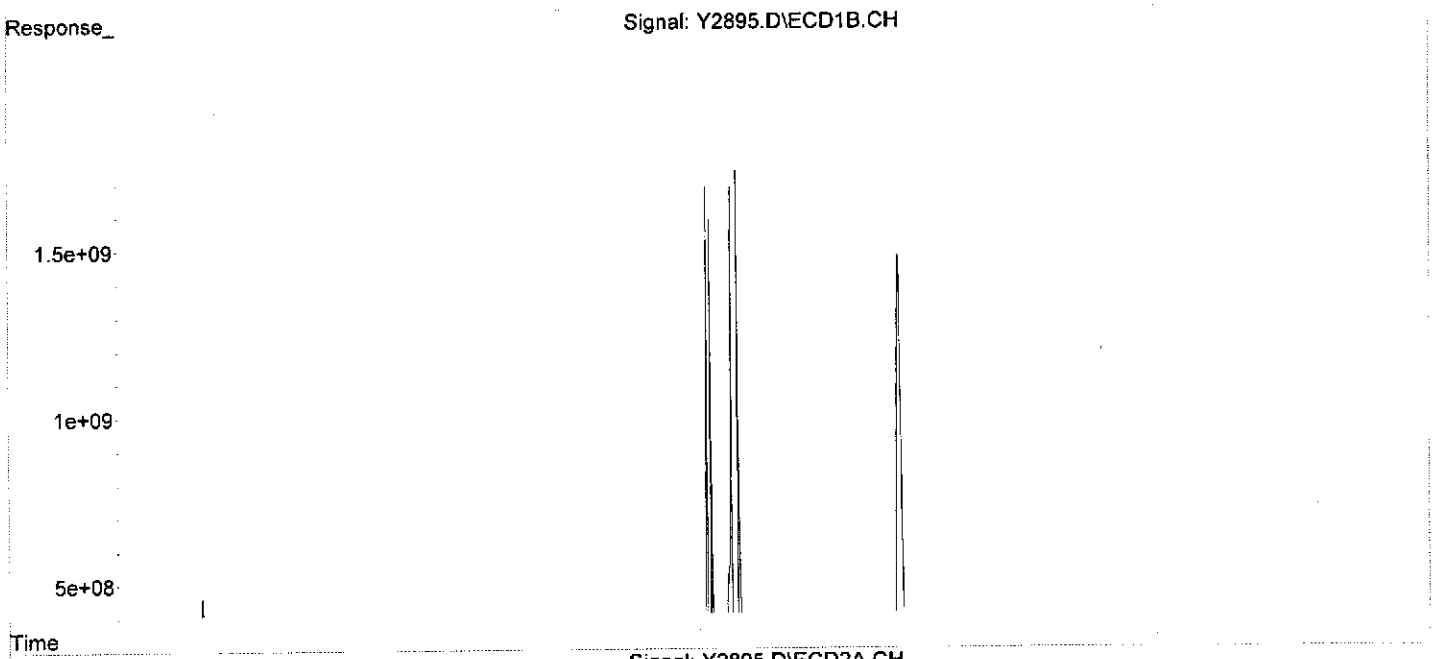
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

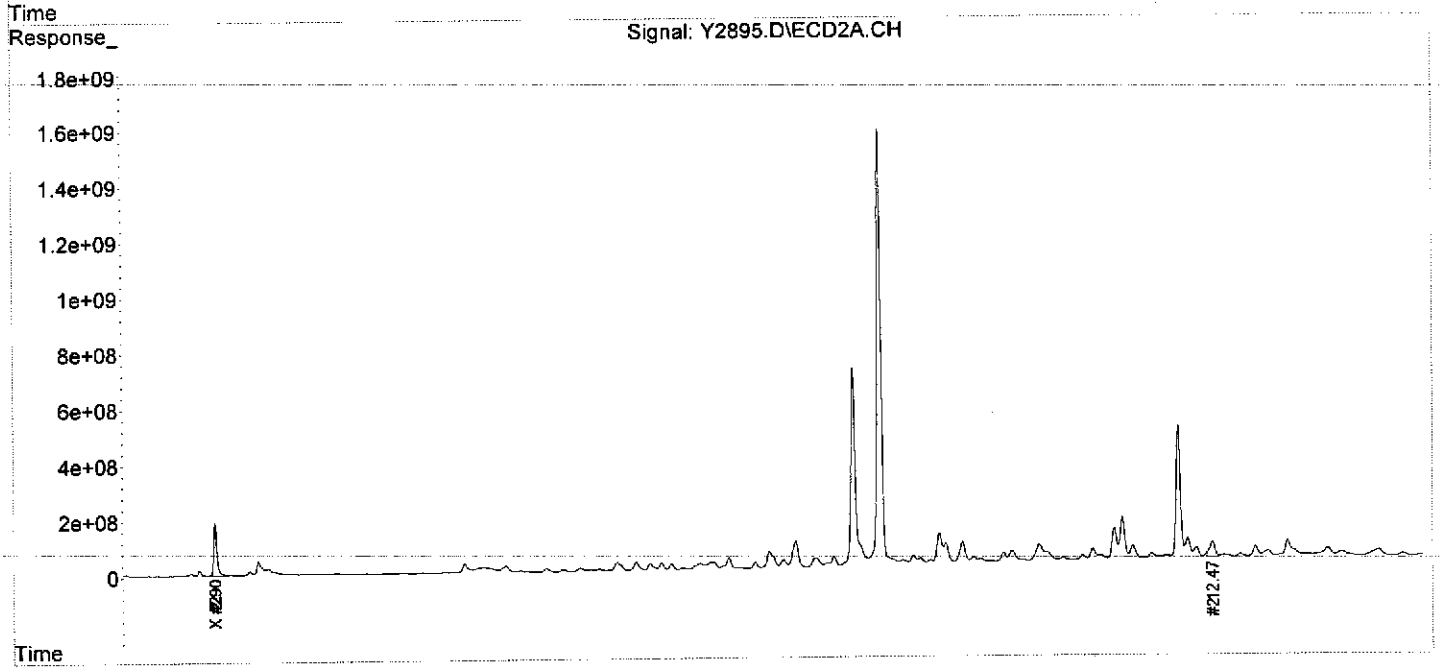
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2895.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 10:14
Operator : YG
Sample : T-33(2.0-4,10574-029,S,5.17g,6.10,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 63 Sample Multiplier: 1

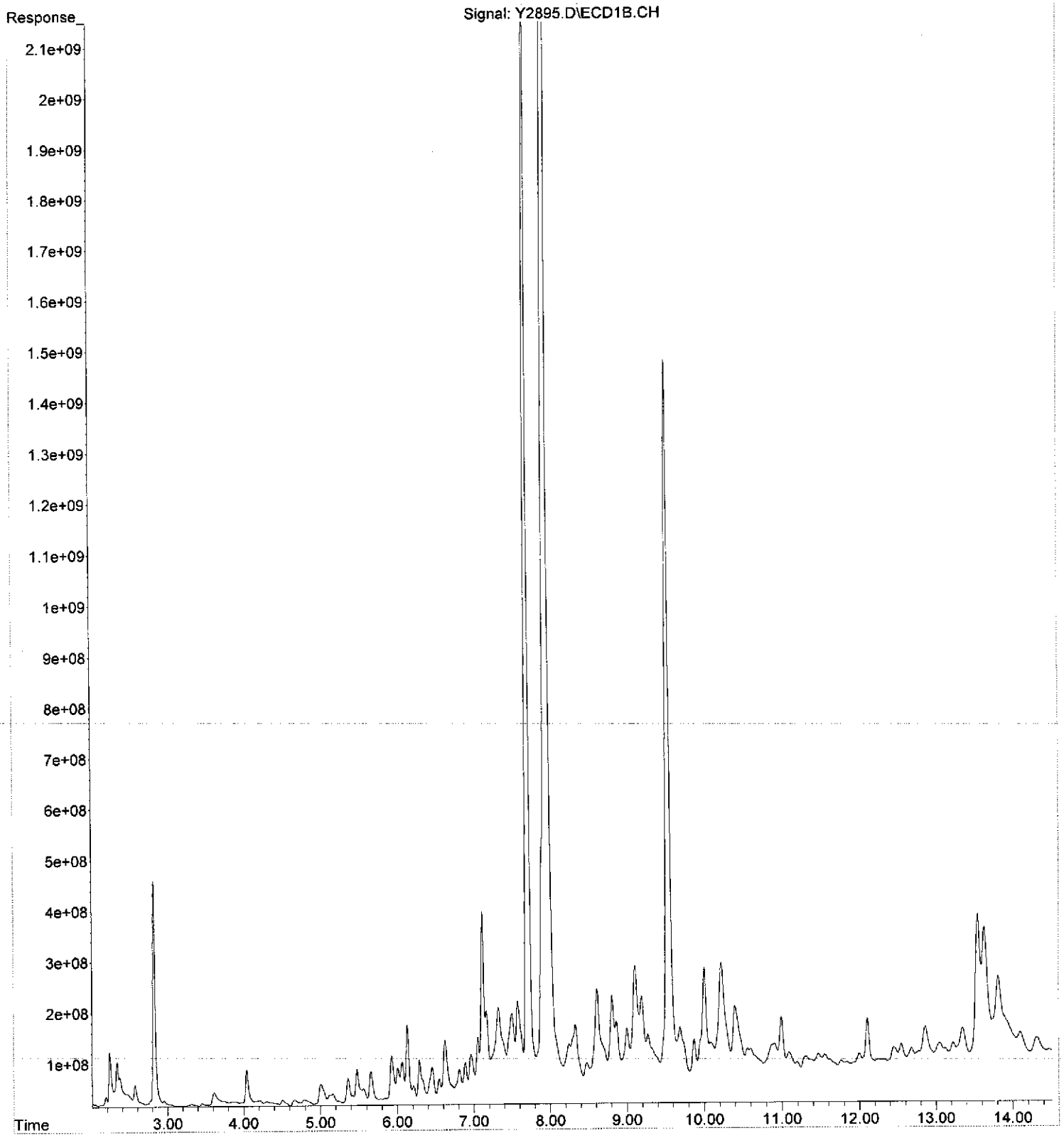
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:20:03 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





File :C:\MSDChem\1\DATA\10-24-12\Y2895.D
Operator : YG
Acquired : 25 Oct 2012 10:14 using AcqMethod YPCB1024.M
Instrument : GC_Y
Sample Name: T-33(2.0-4,10574-029,S,5.17g,6.10,10/22/12,4
Misc Info : 121022-04,10/18/12,10/18/12,1
Vial Number: 63



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2925.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 21:57
Operator : JS
Sample : T-33(4.0-5,10574-030,S,5.03g,13.0,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:42:10 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	15623.6E6	5406.9E6	154.031	163.960
Spiked Amount 200.000			Recovery	=	77.02%	81.98%
2) S DCB	12.11	12.48	3615.5E6	1569.9E6	141.820	151.190
Spiked Amount 200.000			Recovery	=	70.91%	75.59%
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

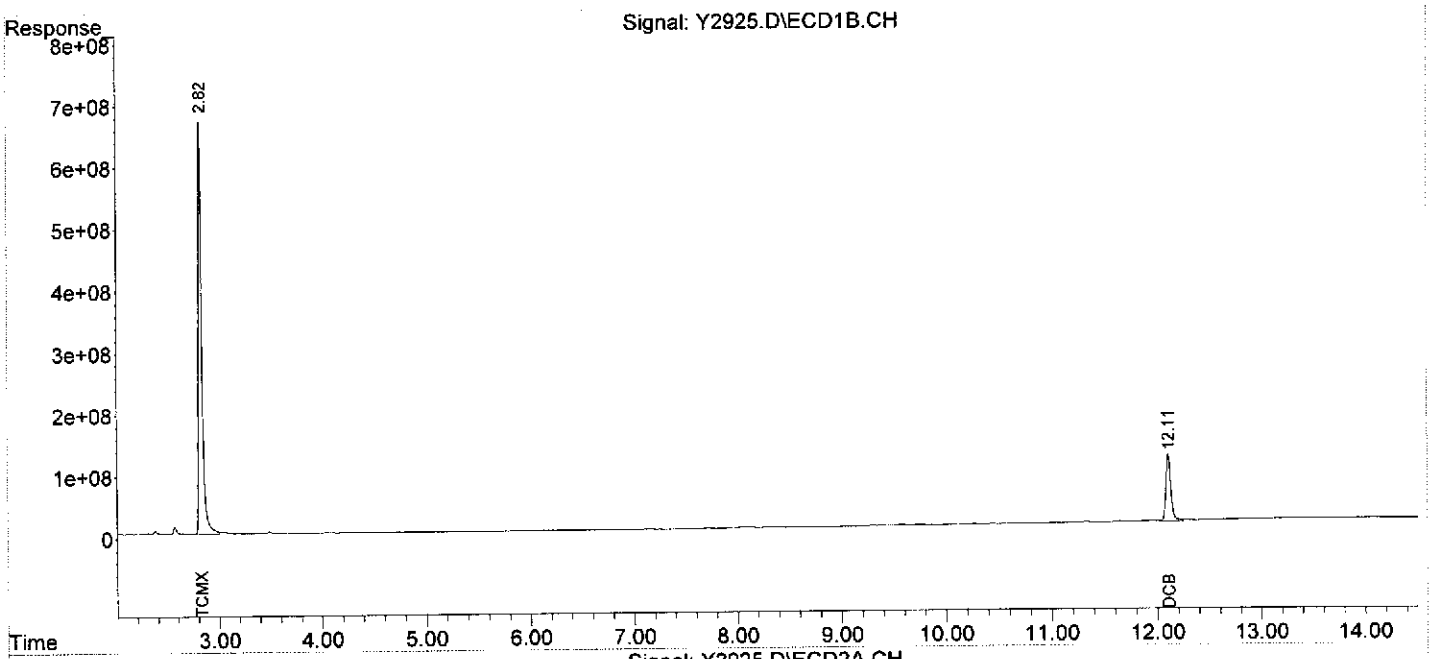
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

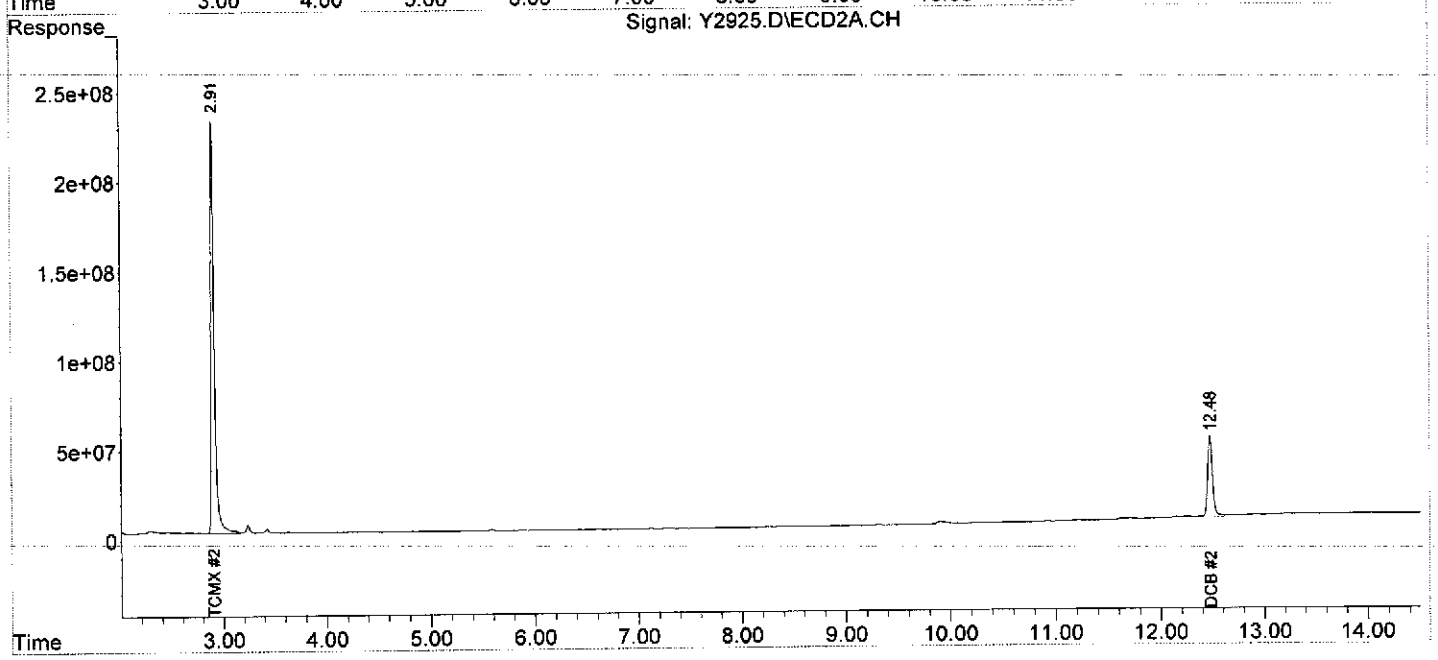
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2925.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 21:57
Operator : JS
Sample : T-33(4.0-5,10574-030,S,5.03g,13.0,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:42:10 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\10-24-12\
Data File : Y2897.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 10:49
Operator : YG
Sample : T-33(5.0-5,10574-031,S,5.08g,61.5,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 65 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:16:06 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	2.82	2.90	16063.3E6	5544.1E6	158.365	168.119
Spiked Amount 200.000			Recovery	=	79.18%	84.06%
2) S DCB	12.11	12.48	4480.9E6	2780.2E6	175.769	267.754 #
Spiked Amount 200.000			Recovery	=	87.88%	133.88%
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.

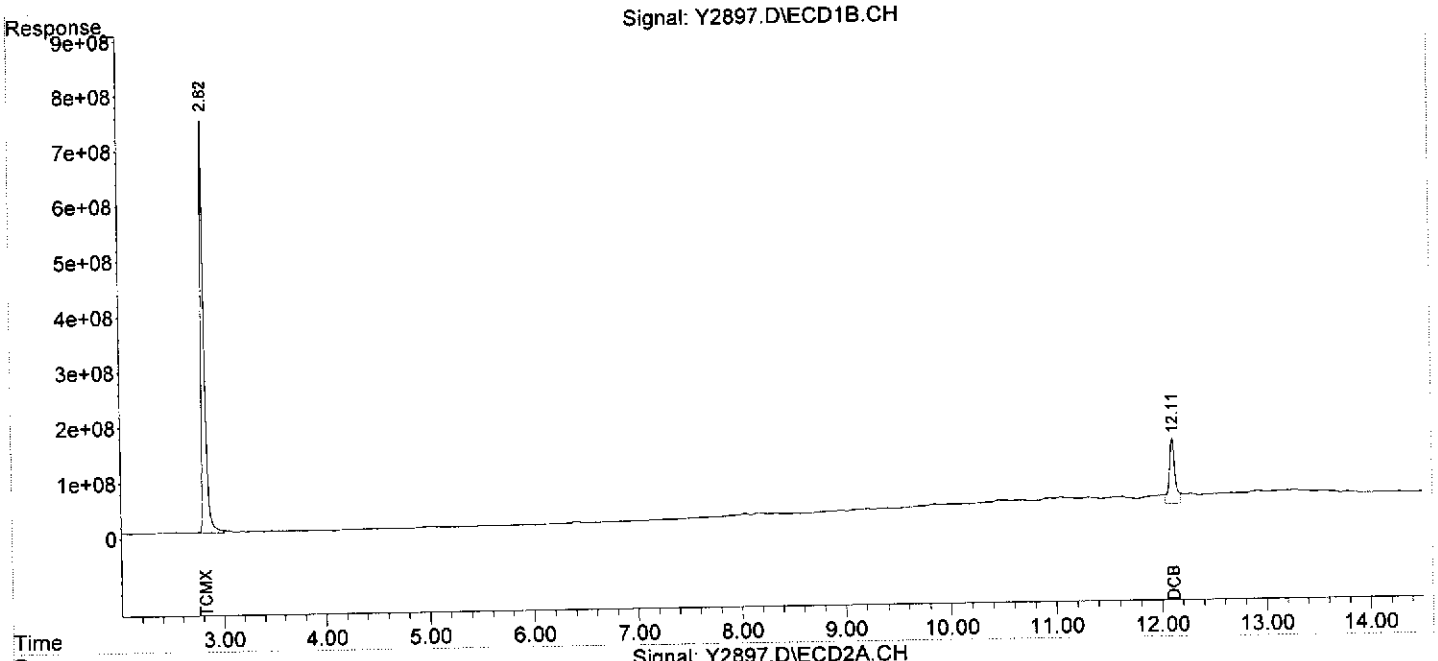
Quantitation Report (QT Reviewed)

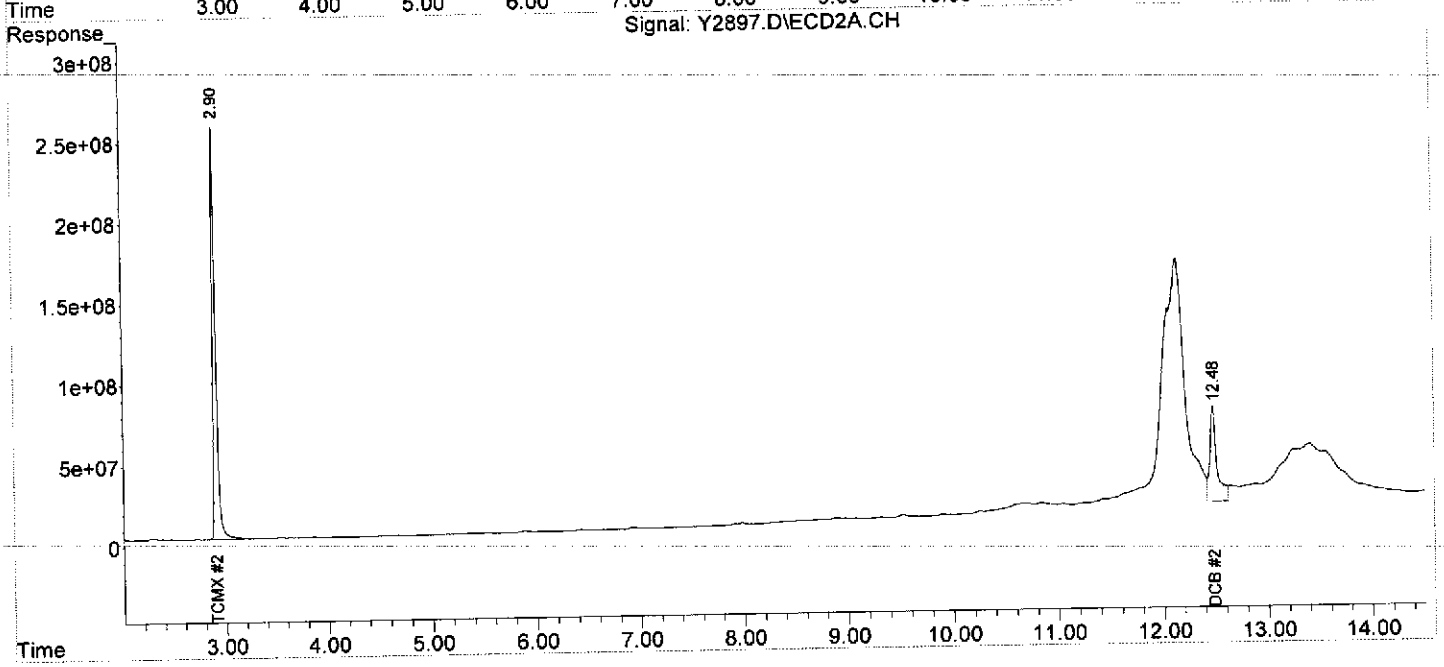
Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2897.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 10:49
Operator : YG
Sample : T-33(5.0-5,10574-031,S,5.08g,61.5,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 65 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:16:06 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 #1 Info :

Signal #2 Phase:
Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2898.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 12:29
Operator : YG
Sample : T-33(5.5-6,10574-032,S,5.85g,24.7,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:16:36 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	16712.1E6	5249.5E6	164.763	159.185
Spiked Amount 200.000			Recovery	=	82.38%	79.59%
2) S DCB	12.11	12.49	3447.2E6	1504.3E6	135.221	144.876m
Spiked Amount 200.000			Recovery	=	67.61%	72.44%
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

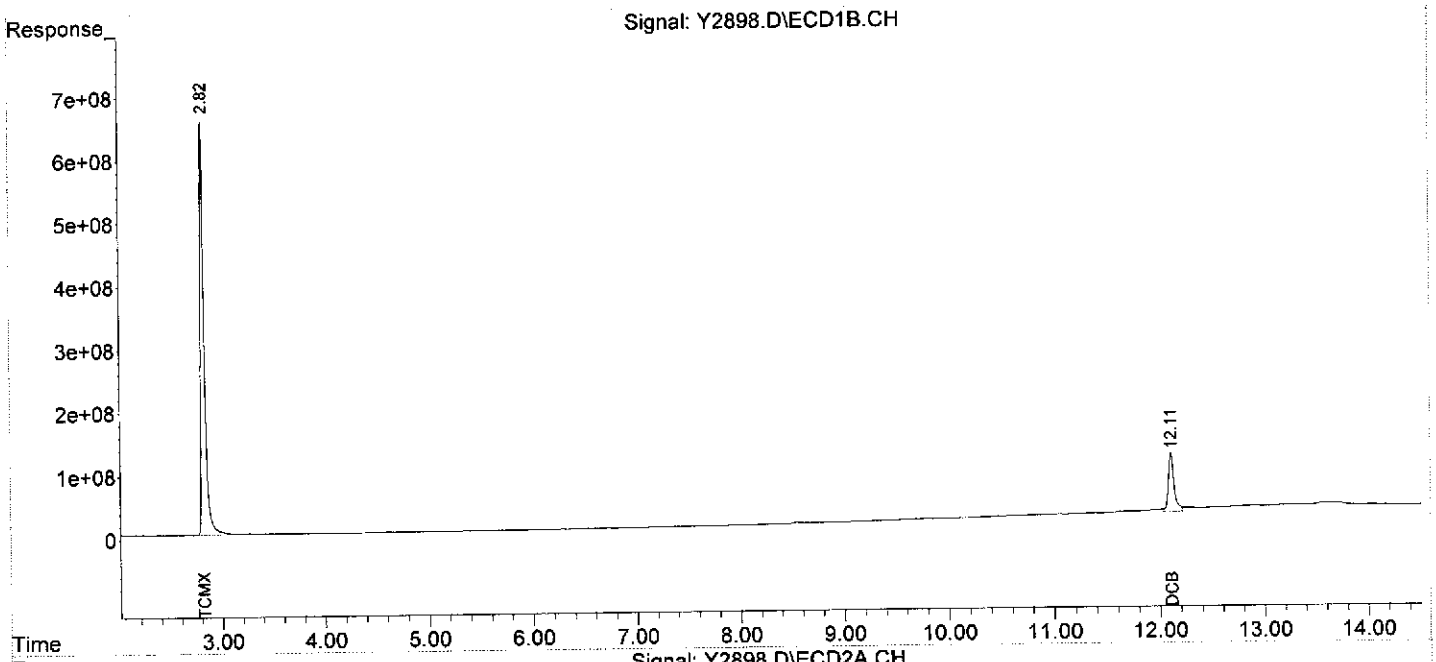
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

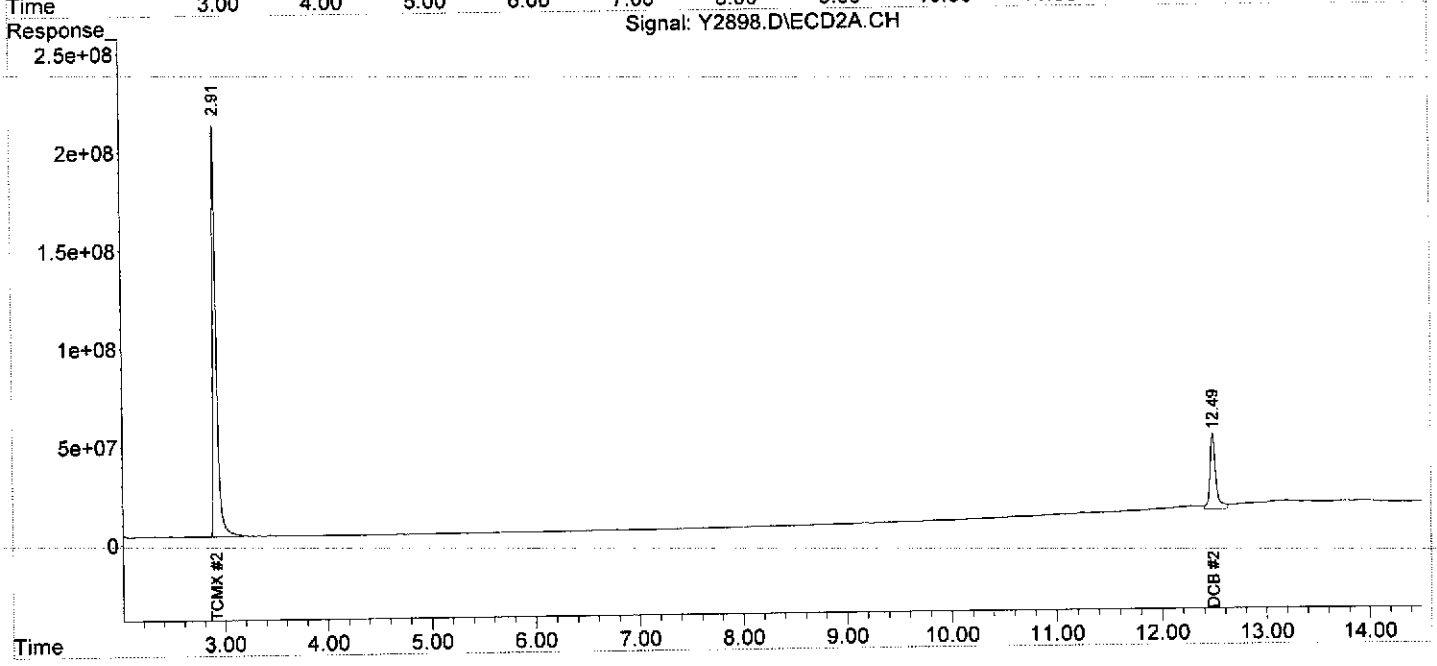
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2898.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 12:29
Operator : YG
Sample : T-33(5.5-6,10574-032,S,5.85g,24.7,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:16:36 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 : Y2926.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 22:14
Operator : JS
Sample : U-33(0-2.0,10574-033,S,5.21g,15.6,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,10
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:46:00 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	1610.7E6	554.5E6	15.879	16.816
Spiked Amount 200.000			Recovery	=	7.94%	8.41%
2) S DCB	12.11	12.48	503.5E6	218.1E6	19.752m	21.008m
Spiked Amount 200.000			Recovery	=	9.88%	10.50%
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
3) L8 Aroclor-1260	8.34	7.86	4718.7E6	852.8E6	798.400	1045.359 #
4) L8 Aroclor-1260 {2}	9.01	8.12	3160.0E6	1084.8E6	1208.498	903.692 #
5) L8 Aroclor-1260 {3}	9.49	9.71	8955.2E6	1204.0E6	1353.673	1184.696
6) L8 Aroclor-1260 {4}	9.97	10.21	3537.4E6	3084.9E6	1012.136	1361.341 #
7) L8 Aroclor-1260 {5}	11.02	10.80	2349.9E6	2124.7E6	1519.533	1315.345
Sum Aroclor-1260			22721.1E6	8351.2E6	5892.240	5810.432
verage Aroclor-1260					1178.448	1162.086
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

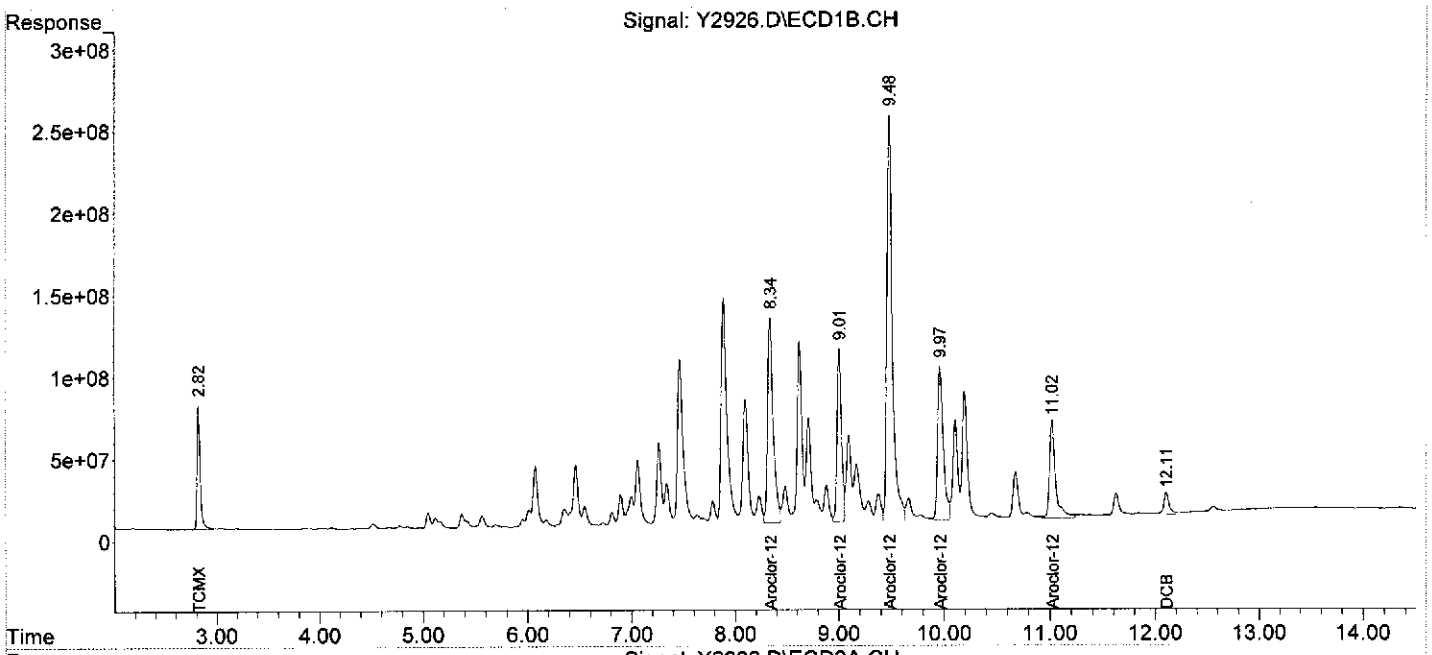
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

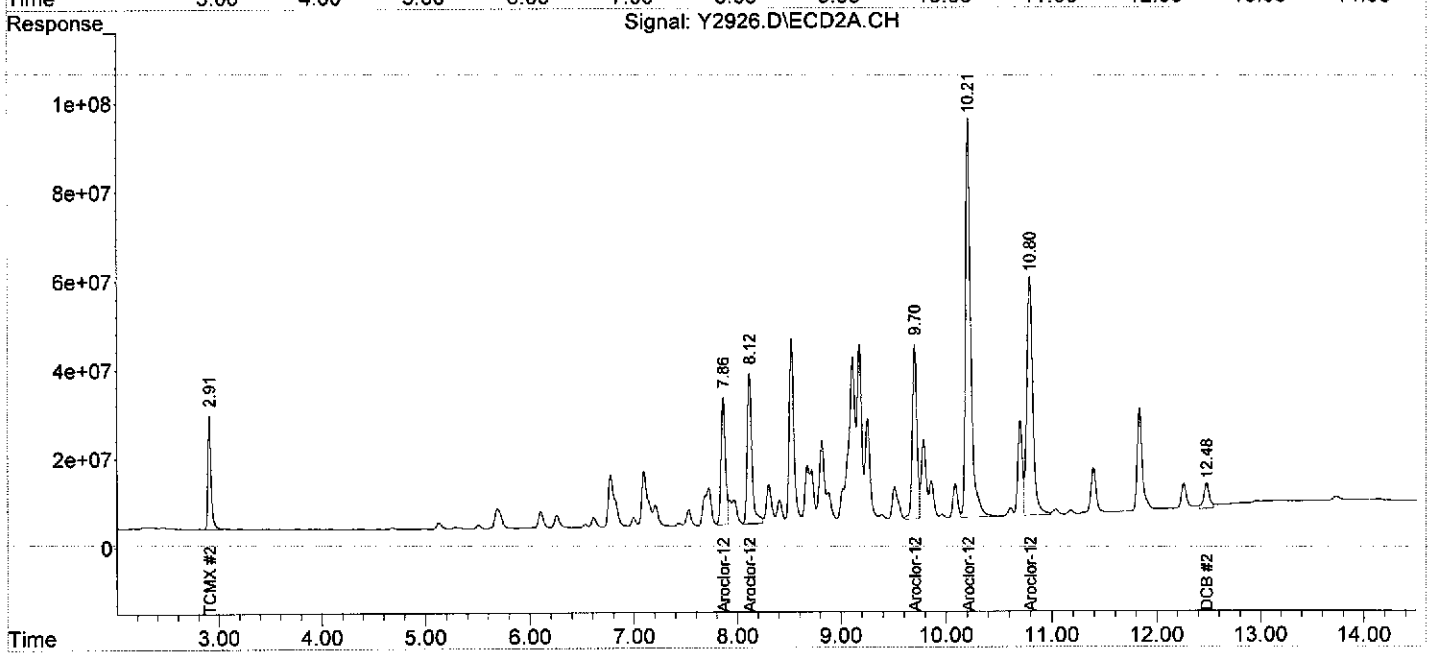
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2926.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 22:14
Operator : JS
Sample : U-33(0-2.0,10574-033,S,5.21g,15.6,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,10
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:46:00 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\10-24-12\
Data File : Y2900.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 13:04
Operator : YG
Sample : U-33(2.0-4,10574-034,S,5.17g,12.2,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 68 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:17:24 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	16059.7E6	5214.7E6	158.330	158.130
Spiked Amount 200.000			Recovery	=	79.17%	79.06%
2) S DCB	12.11	12.48	3641.6E6	1424.6E6	142.844m	137.200m
Spiked Amount 200.000			Recovery	=	71.42%	68.60%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

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

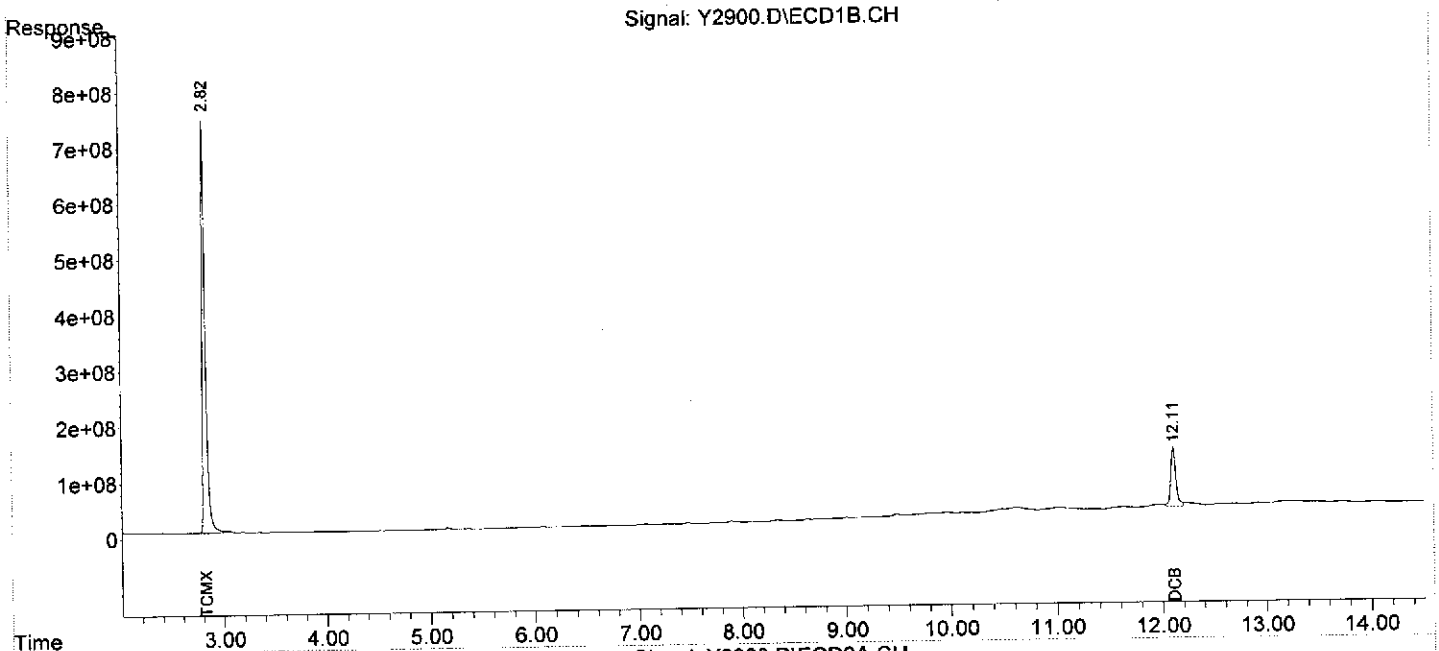
Quantitation Report (QT Reviewed)

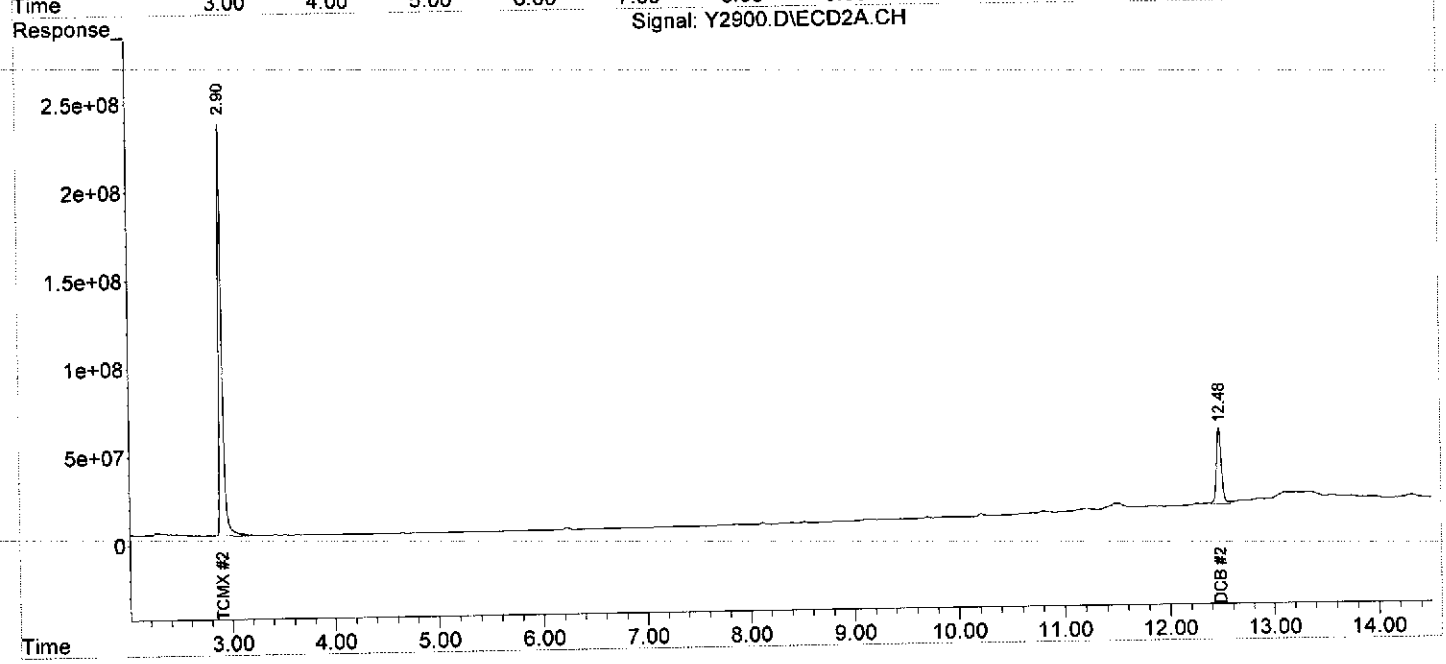
Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2900.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 13:04
Operator : YG
Sample : U-33(2.0-4,10574-034,S,5.17g,12.2,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 68 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:17:24 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 #1 Info :

Signal #2 Phase:
Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2901.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 13:21
Operator : YG
Sample : U-33(4.0-5,10574-035,S,5.17g,16.3,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 69 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:20:52 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	16098.6E6	5297.6E6	158.713	160.644
Spiked Amount 200.000			Recovery	=	79.36%	80.32%
2) S DCB	12.11	12.48	3560.1E6	1488.6E6	139.647m	143.357m
Spiked Amount 200.000			Recovery	=	69.82%	71.68%
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

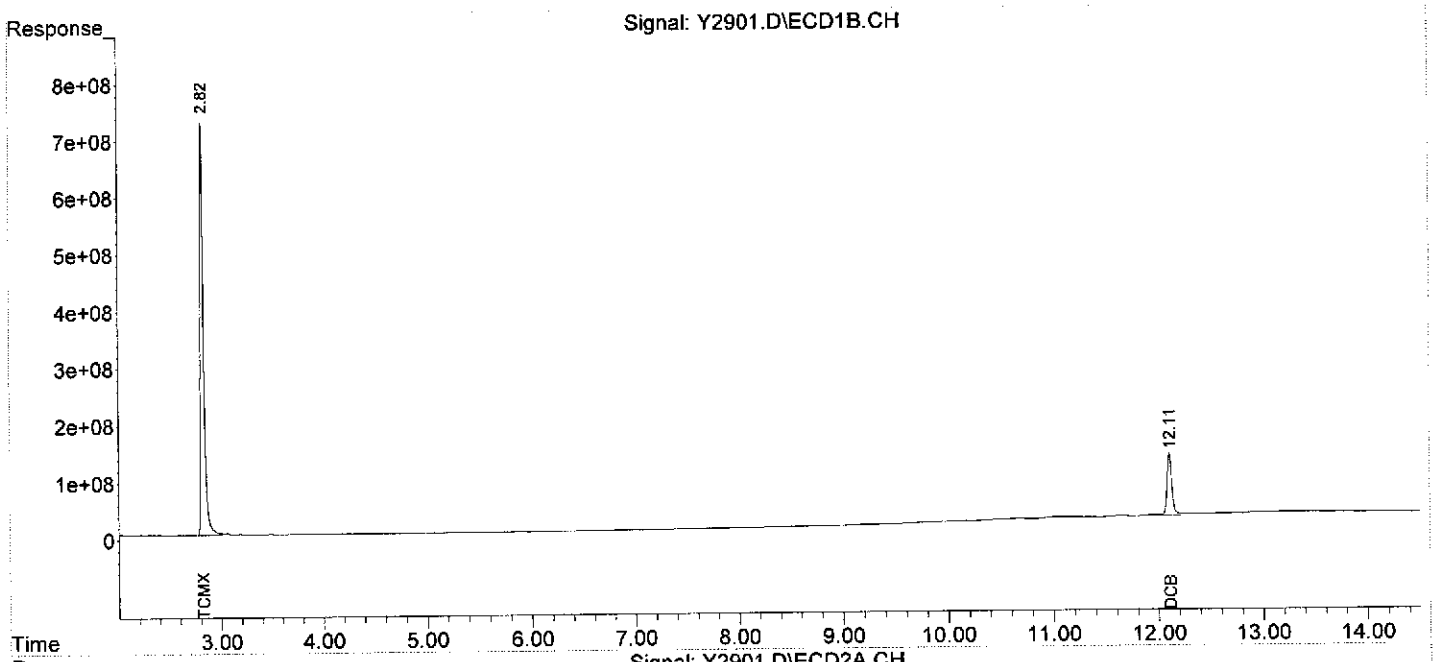
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

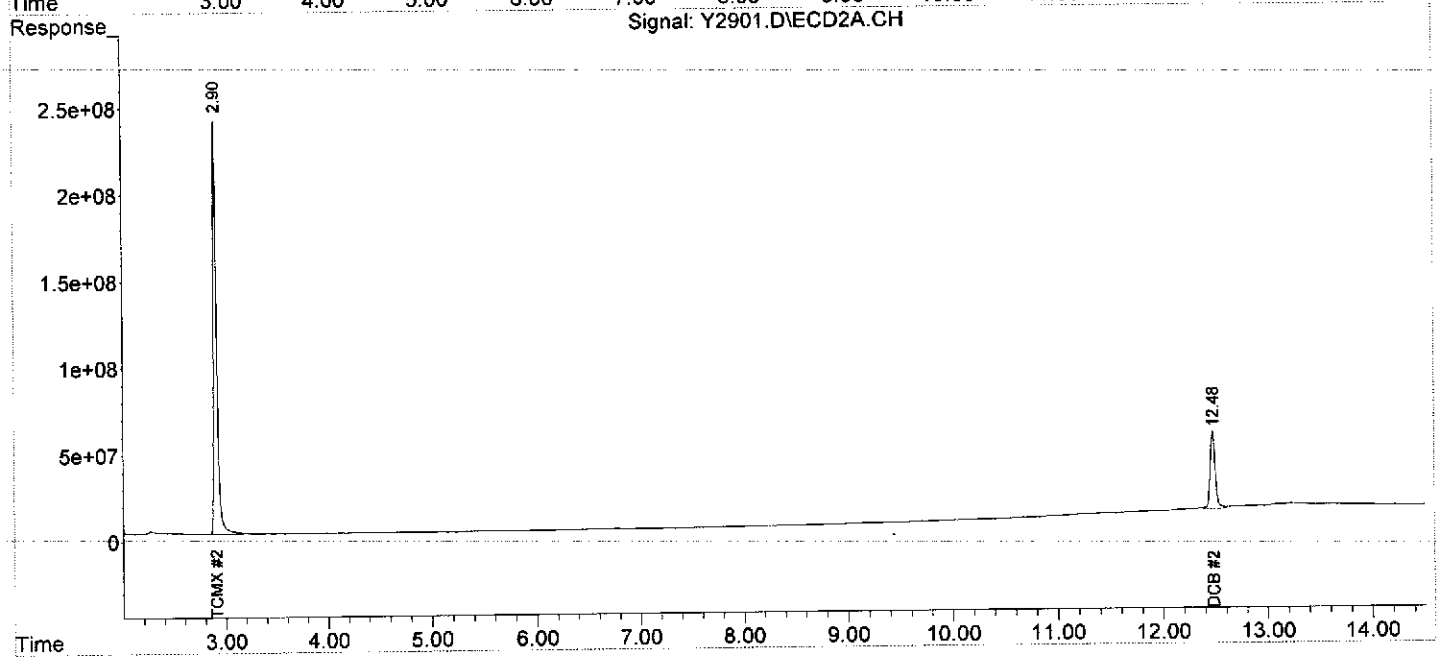
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2901.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 13:21
Operator : YG
Sample : U-33(4.0-5,10574-035,S,5.17g,16.3,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 69 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:20:52 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\10-24-12\
Data File : Y2902.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 13:38
Operator : YG
Sample : U-33(5.0-5,10574-036,S,5.15g,71.3,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 70 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:21:28 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						
) S TCMX	2.82	2.91	17764.5E6	6331.0E6	175.138	191.982
Spiked Amount 200.000			Recovery	=	87.57%	95.99%
) S DCB	12.11	12.48	4370.7E6	1828.7E6	171.443m	176.118m
Spiked Amount 200.000			Recovery	=	85.72%	88.06%
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

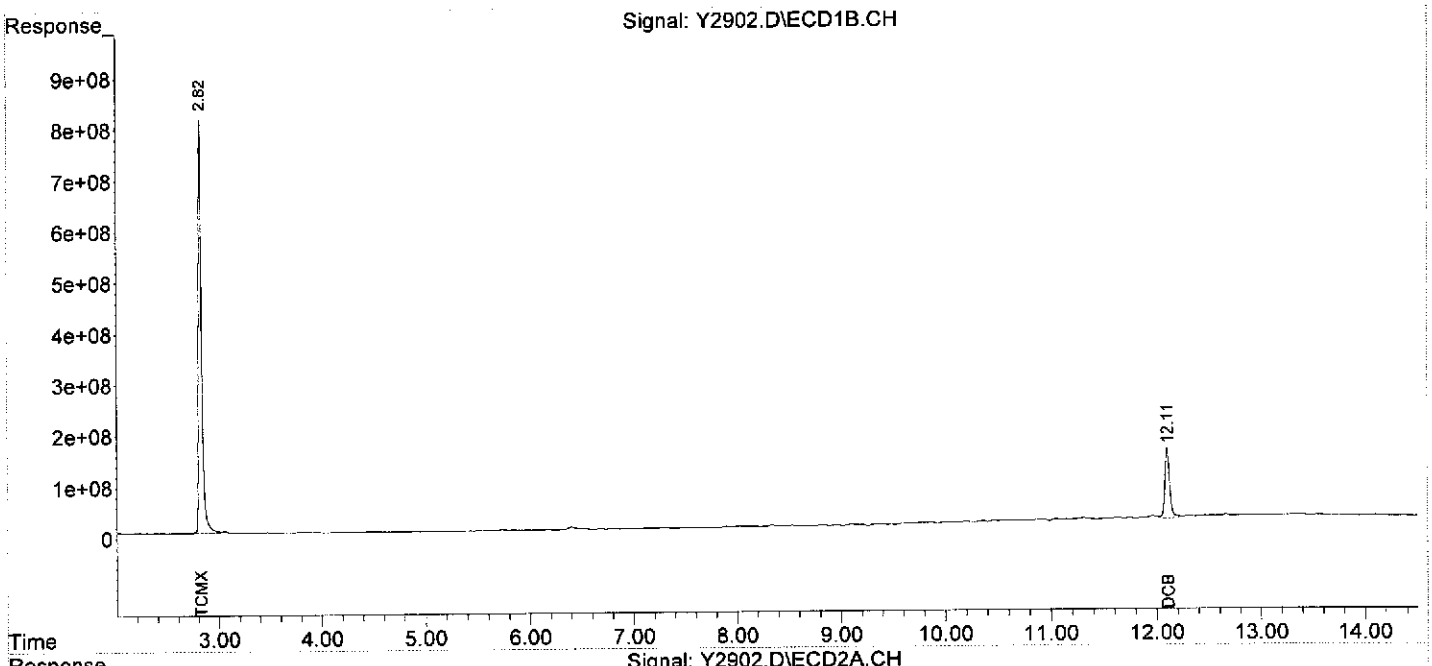
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

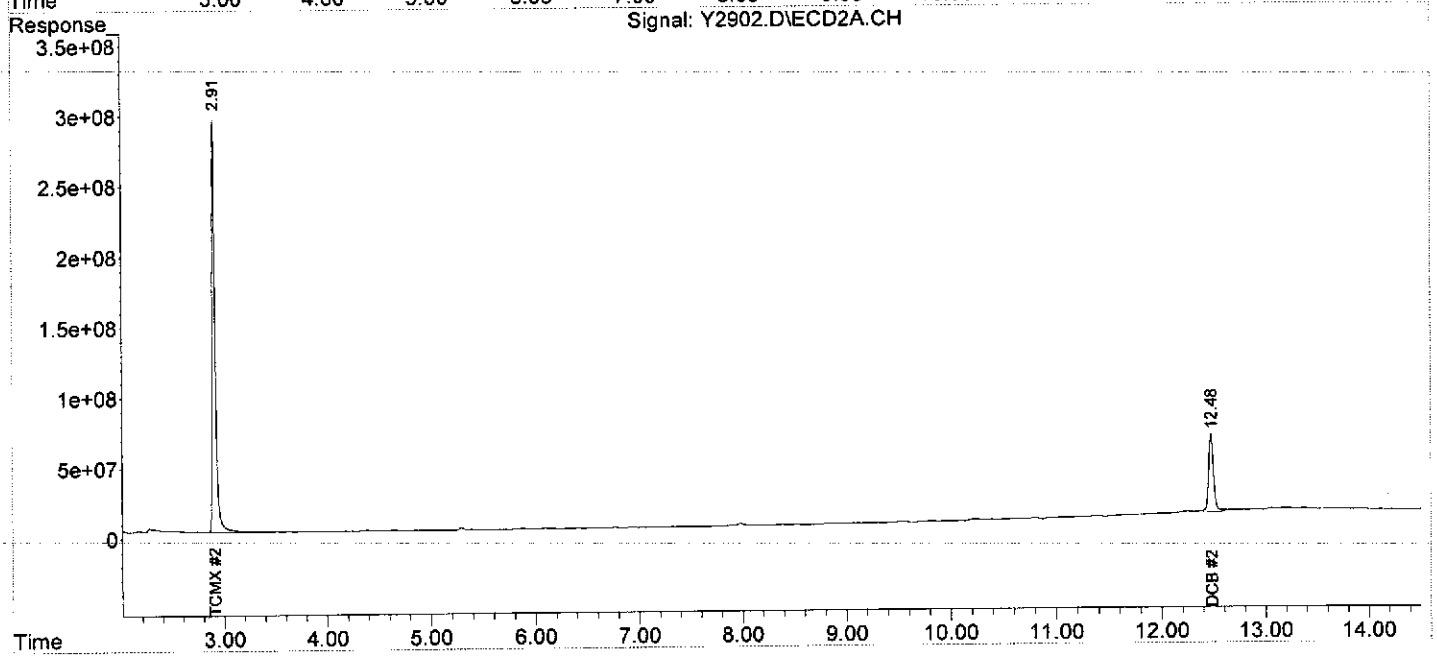
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2902.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 13:38
Operator : YG
Sample : U-33(5.0-5,10574-036,S,5.15g,71.3,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 70 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:21:28 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\10-24-12\
Data File : Y2903.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 13:55
Operator : YG
Sample : U-33(5.5-6,10574-037,S,5.76g,22.8,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 71 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:22:03 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	15784.2E6	5157.7E6	155.615	156.402
Spiked Amount 200.000			Recovery	=	77.81%	78.20%
2) S DCB	12.11	12.48	3171.6E6	1447.5E6	124.408m	139.402m
Spiked Amount 200.000			Recovery	=	62.20%	69.70%
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

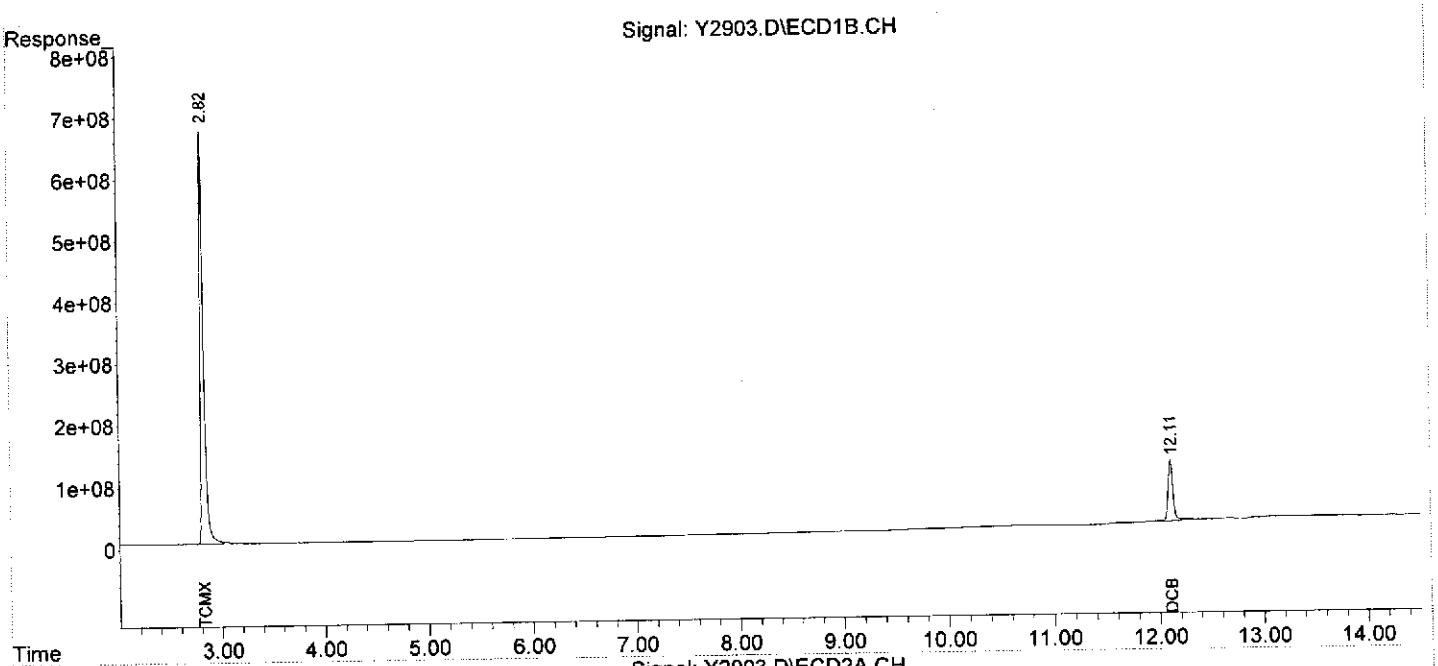
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

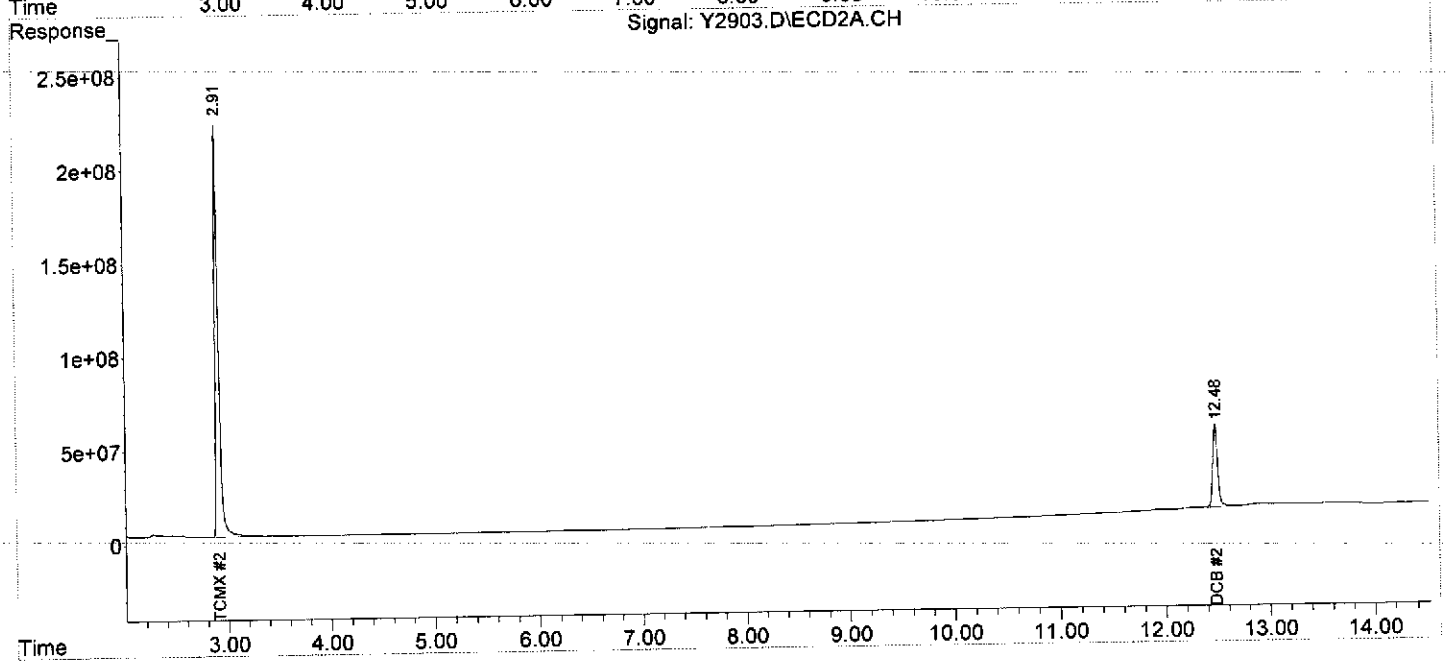
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2903.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 13:55
Operator : YG
Sample : U-33(5.5-6,10574-037,S,5.76g,22.8,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 71 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:22:03 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\10-24-12\
Data File : Y2904.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 14:12
Operator : YG
Sample : U-34(0-2.0,10574-038,S,5.15g,12.1,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 72 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 13:31:28 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						
) S TCMX	2.82	2.91	14708.9E6	4930.6E6	145.013	149.517
Spiked Amount 200.000			Recovery	=	72.51%	74.76%
) S DCB	12.10	12.48	3550.4E6	1502.2E6	139.266	144.675
Spiked Amount 200.000			Recovery	=	69.63%	72.34%
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
) L7 Aroclor-1254	6.46	7.10	8352.4E6	3278.2E6	1618.402	1955.420
) L7 Aroclor-1254 {2}	6.89	7.68	5199.1E6	2615.0E6	1589.370	1972.727
) L7 Aroclor-1254 {3}	7.06	8.30	11499.9E6	2586.6E6	1784.379	2001.527
) L7 Aroclor-1254 {4}	7.50	8.52	13235.4E6	2391.7E6	2053.310	3037.910 #
) L7 Aroclor-1254 {5}	8.34	9.11	12837.5E6	4915.8E6	2237.446	2618.861
Sum Aroclor-1254			51124.3E6	15787.3E6	9282.906	11586.445
erage Aroclor-1254					1856.581	2317.289
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

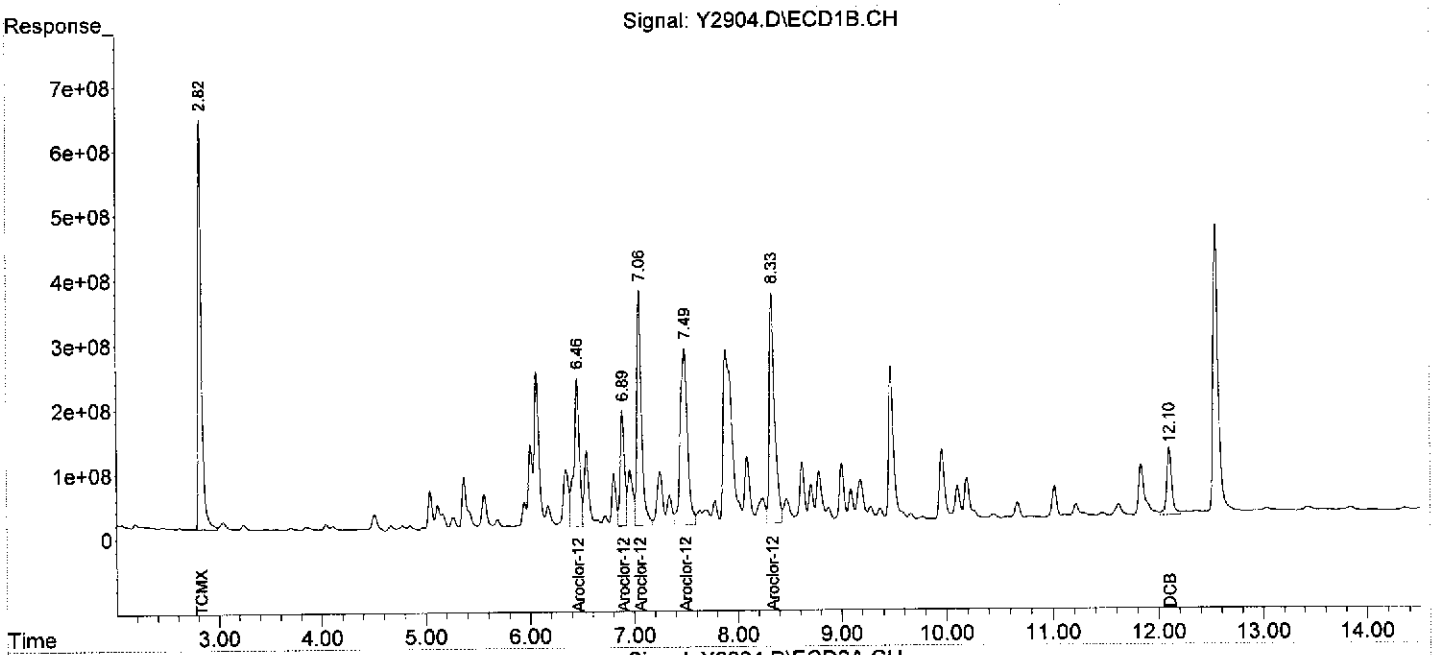
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

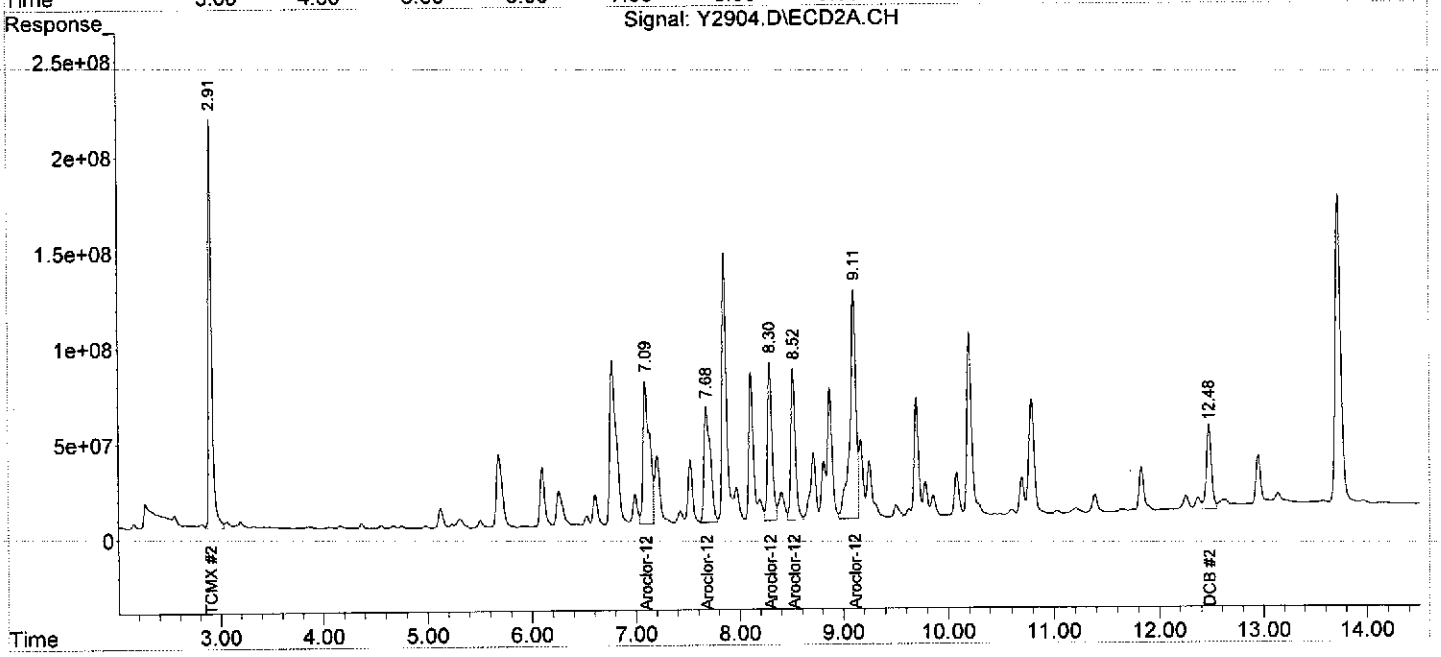
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2904.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 14:12
Operator : YG
Sample : U-34(0-2.0,10574-038,S,5.15g,12.1,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 72 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 13:31:28 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\10-24-12\
Data File : Y2905.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 14:29
Operator : YG
Sample : U-34(2.0-4,10574-039,S,5.40g,14.9,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 73 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:24:28 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						
) S TCMX	2.82	2.91	15533.0E6	5086.5E6	153.138	154.243
Spiked Amount 200.000			Recovery	=	76.57%	77.12%
) S DCB	12.11	12.48	3569.5E6	1489.5E6	140.018m	143.444m
Spiked Amount 200.000			Recovery	=	70.01%	71.72%
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

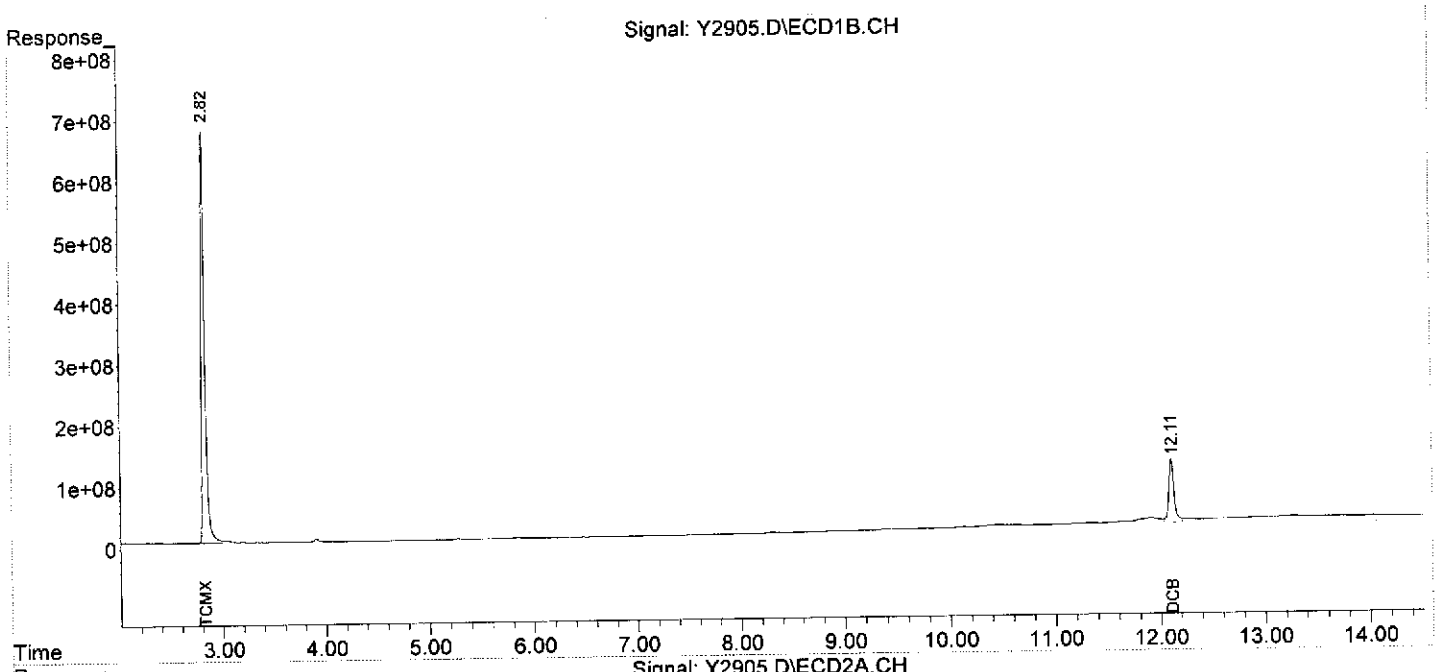
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

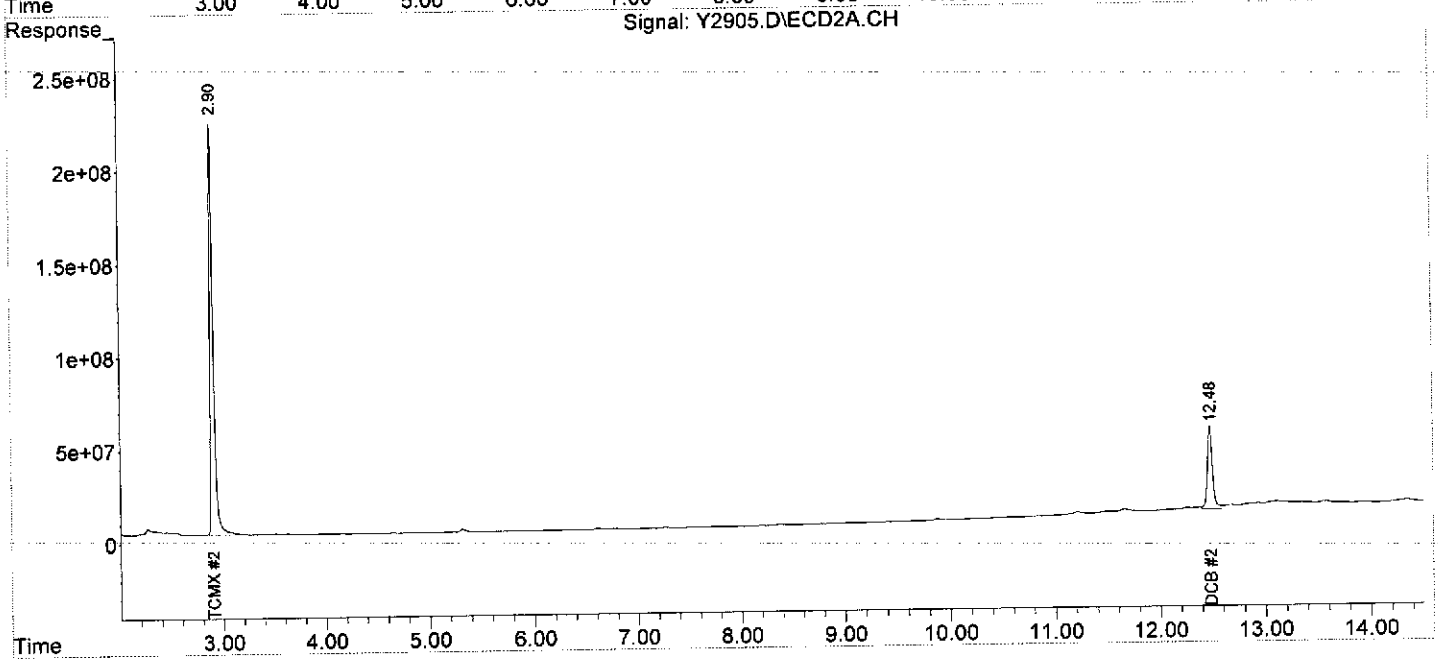
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2905.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 14:29
Operator : YG
Sample : U-34(2.0-4,10574-039,S,5.40g,14.9,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 73 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:24:28 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\10-24-12\
Data File : Y2906.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 14:47
Operator : YG
Sample : U-34(4.0-5,10574-040,S,5.06g,82.9,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 74 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:25:07 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	19239.1E6	6478.9E6	189.675	196.465
Spiked Amount 200.000			Recovery	=	94.84%	98.23%
2) S DCB	12.11	12.48	4549.6E6	1812.7E6	178.464m	174.570m
Spiked Amount 200.000			Recovery	=	89.23%	87.28%
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

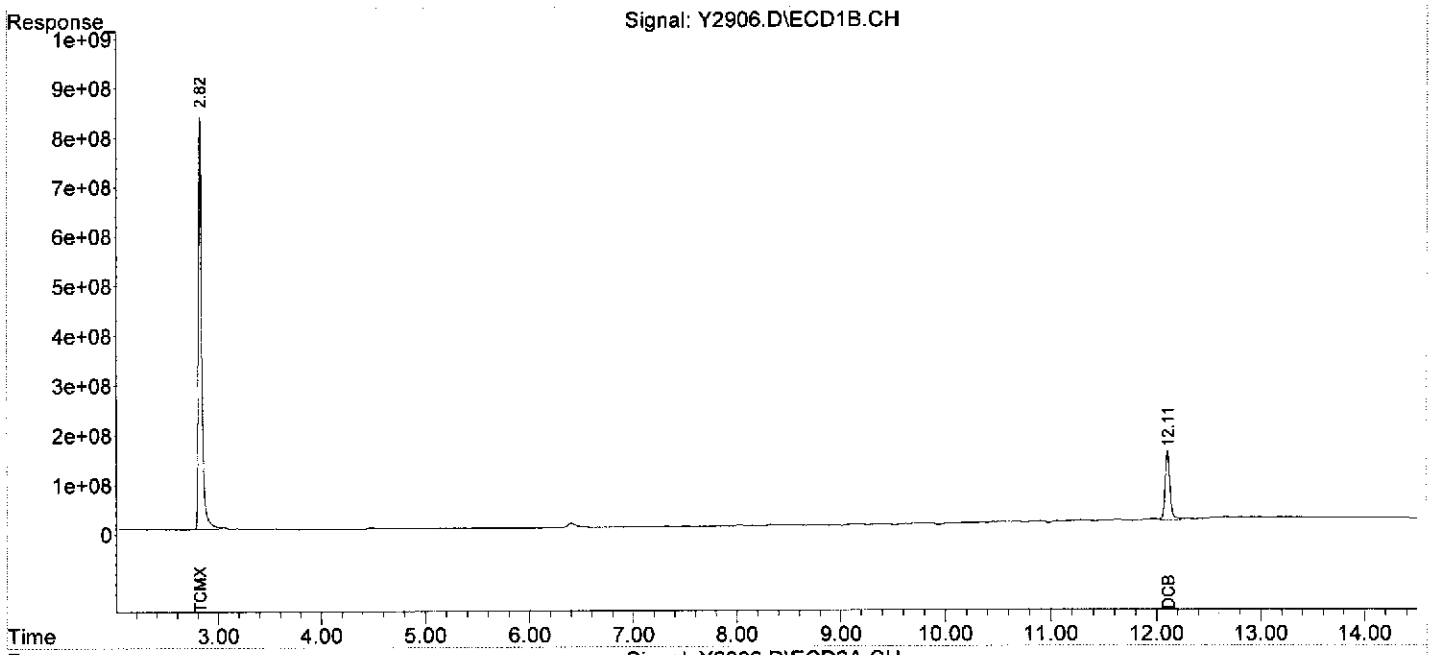
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

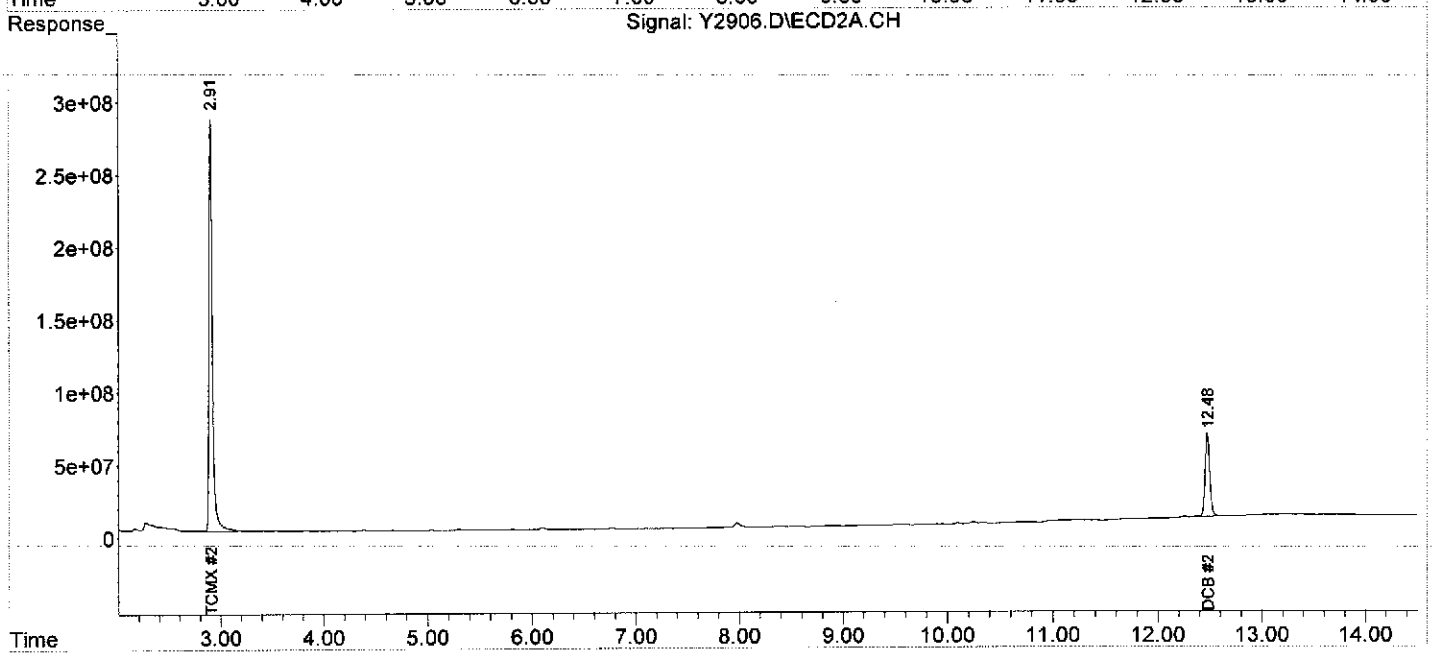
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2906.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 14:47
Operator : YG
Sample : U-34(4.0-5,10574-040,S,5.06g,82.9,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 74 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:25:07 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\10-24-12\
Data File : Y2907.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 15:04
Operator : YG
Sample : U-34(5.0-6,10574-041,S,5.53g,22.9,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 75 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:25:42 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	15670.0E6	5084.4E6	154.489	154.181
Spiked Amount 200.000			Recovery	=	77.24%	77.09%
) S DCB	12.11	12.48	3196.2E6	1412.9E6	125.373m	136.066m
Spiked Amount 200.000			Recovery	=	62.69%	68.03%
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

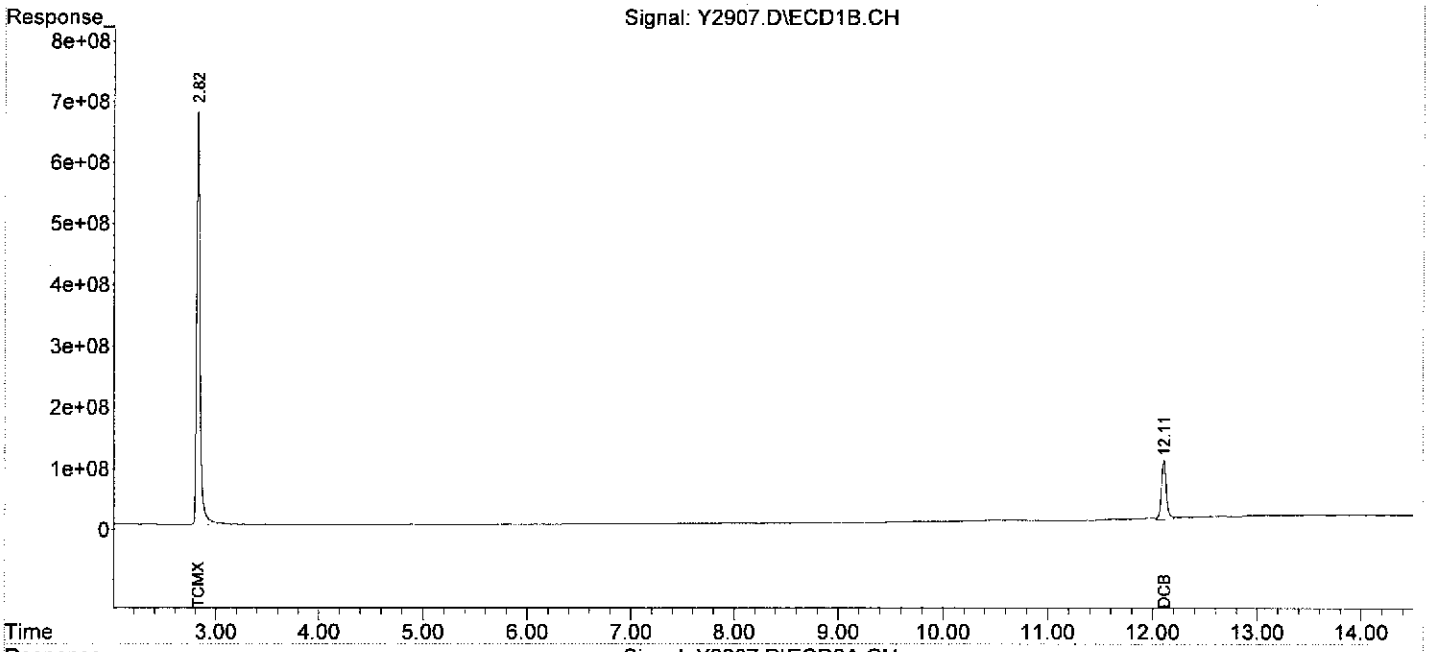
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

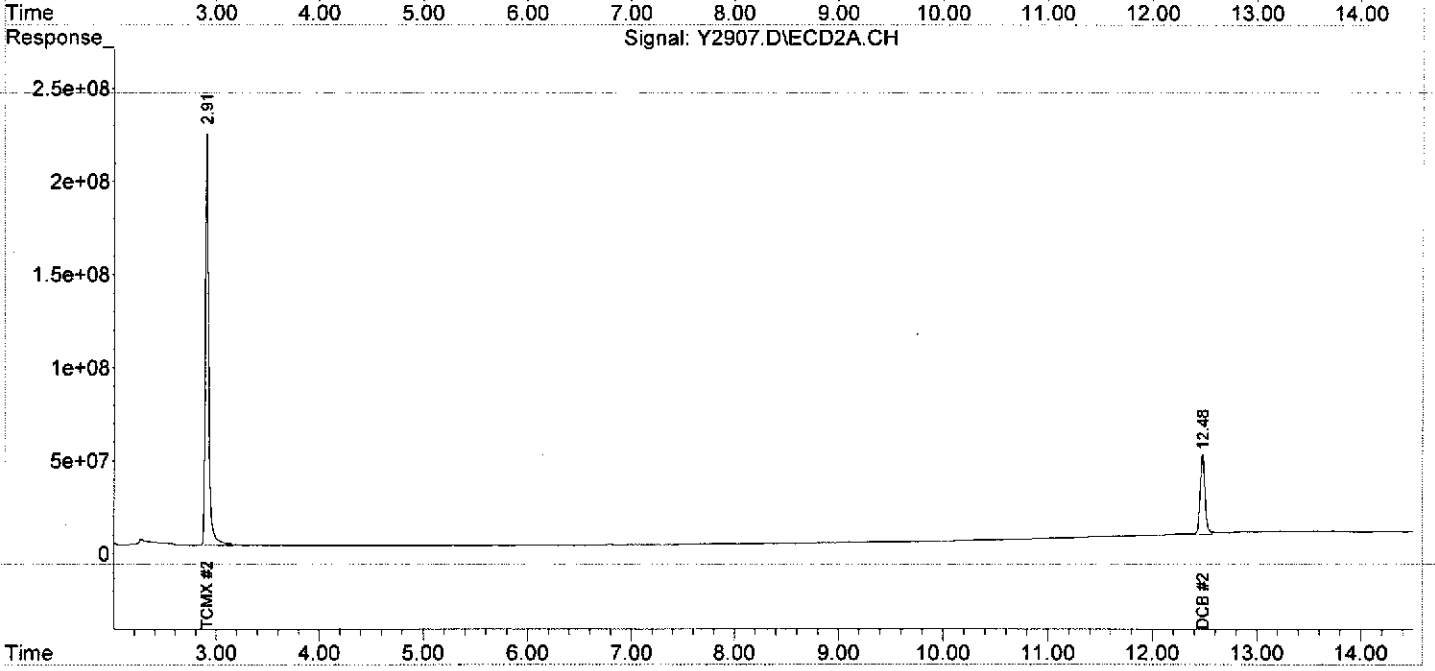
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2907.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 15:04
Operator : YG
Sample : U-34(5.0-6,10574-041,S,5.53g,22.9,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 75 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:25:42 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\10-24-12\
Data File : Y2908.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 15:21
Operator : YG
Sample : Y-29(0-2.0,10574-042,S,5.14g,14.6,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 76 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:26:25 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	2.90	14862.6E6	4973.9E6	146.528	150.828
Spiked Amount 200.000			Recovery	=	73.26%	75.41%
2) S DCB	12.11	12.48	2643.5E6	1396.9E6	103.693	134.535m#
Spiked Amount 200.000			Recovery	=	51.85%	67.27%
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

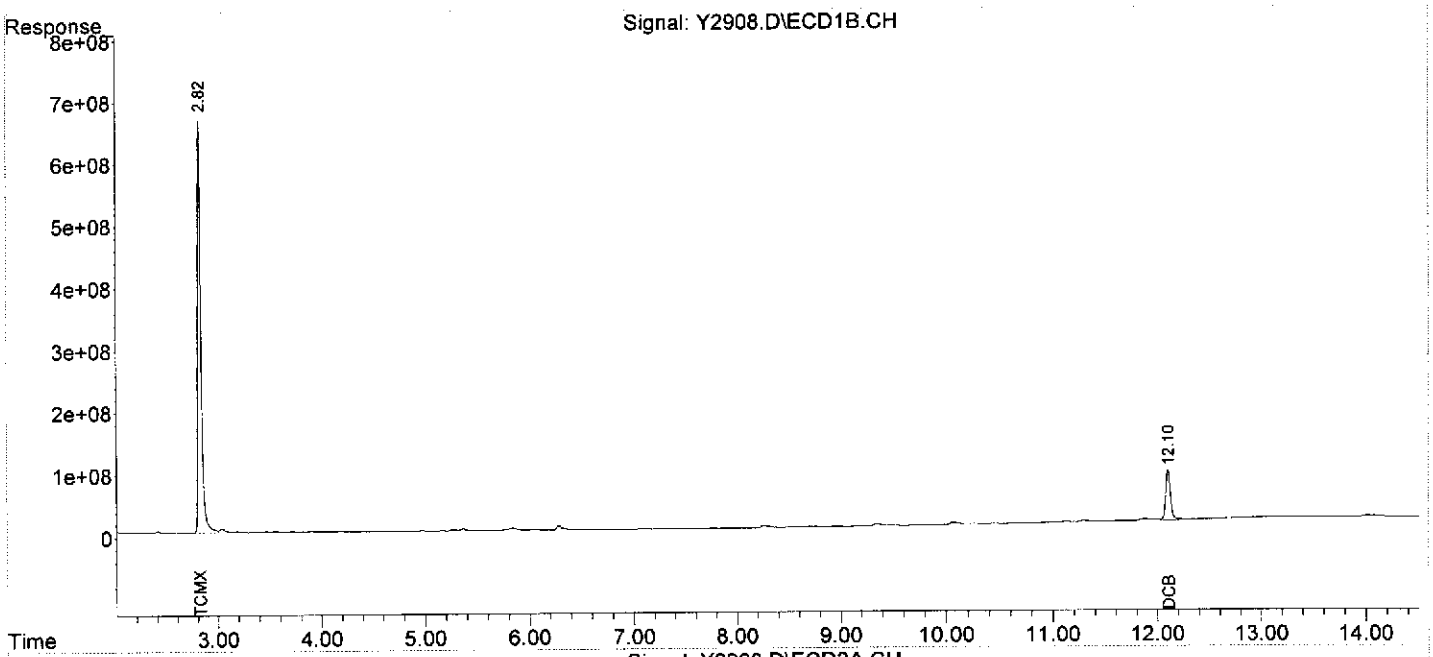
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

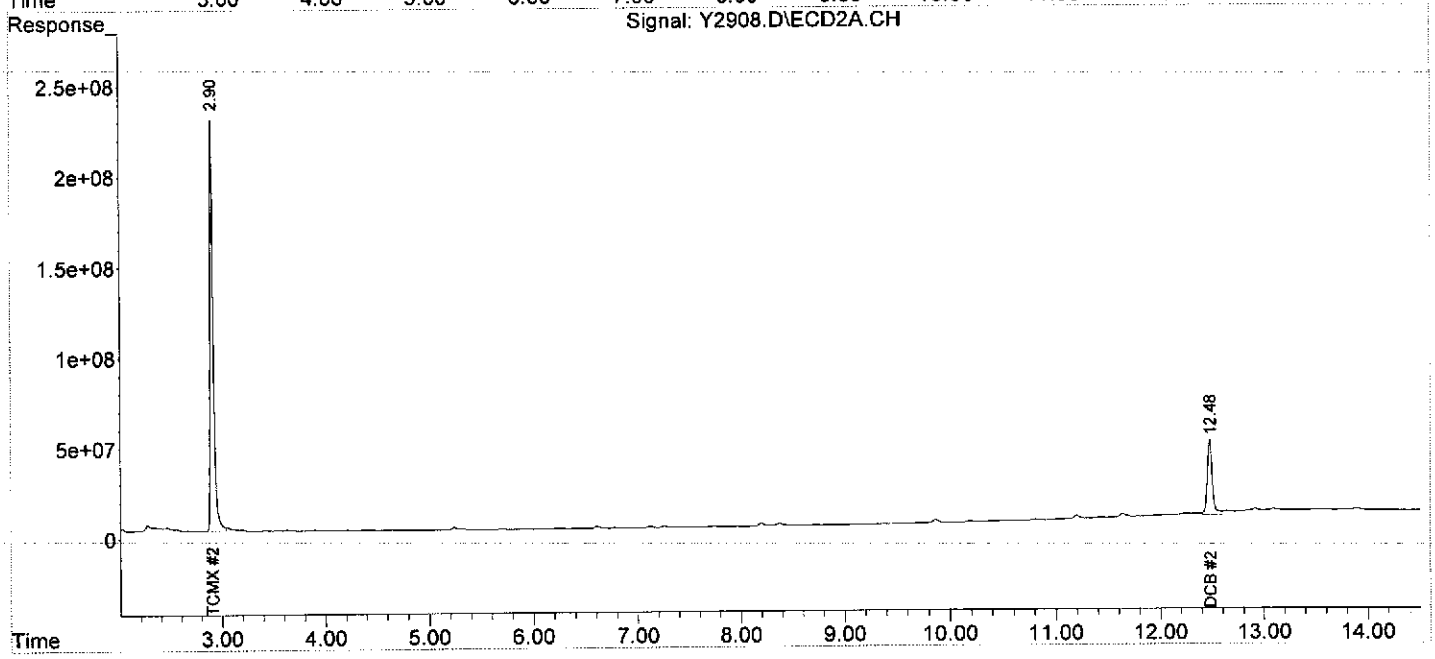
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2908.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 15:21
Operator : YG
Sample : Y-29(0-2.0,10574-042,S,5.14g,14.6,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 76 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:26:25 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\10-24-12\
Data File : Y2909.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 15:38
Operator : YG
Sample : Y-29(2.0-2,10574-043,S,5.70g,13.2,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 77 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:26:56 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	12688.6E6	4598.1E6	125.095	139.433
Spiked Amount 200.000			Recovery	=	62.55%	69.72%
2) S DCB	12.11	12.48	2868.3E6	1599.1E6	112.511	154.008m#
Spiked Amount 200.000			Recovery	=	56.26%	77.00%
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
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

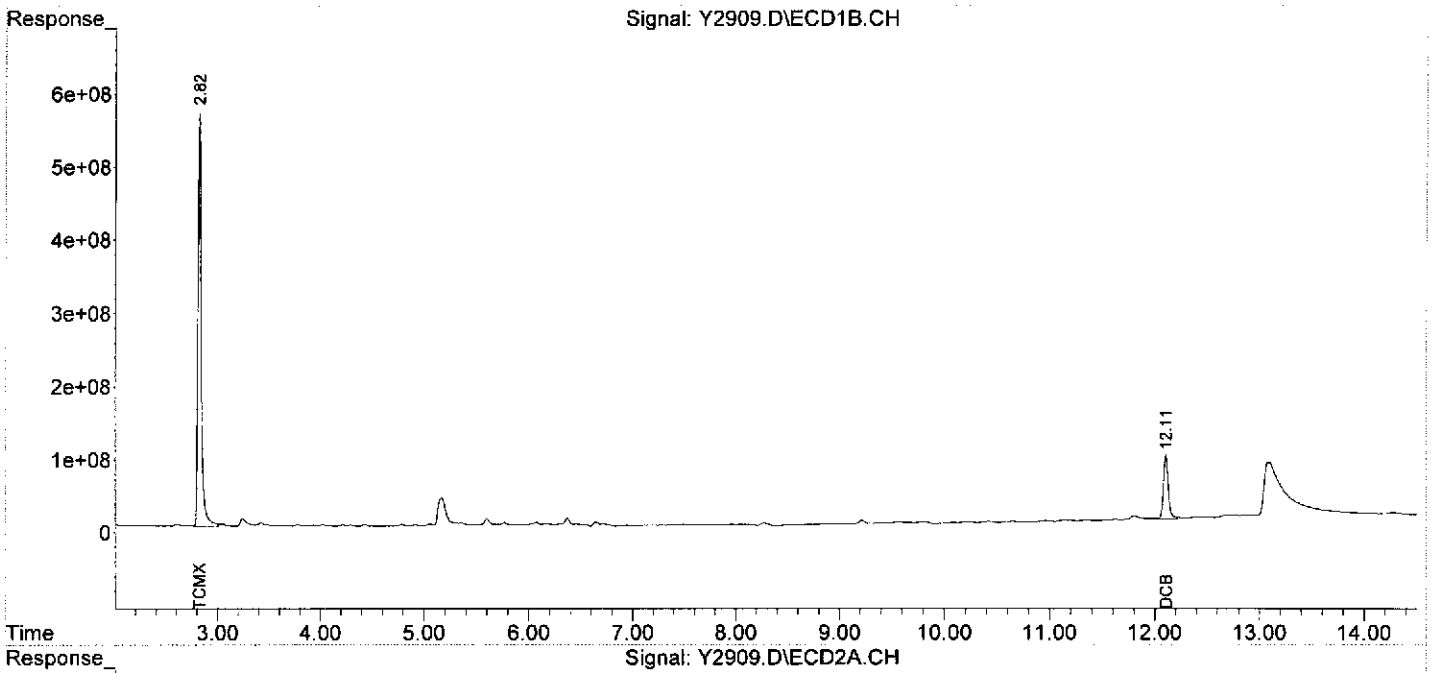
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

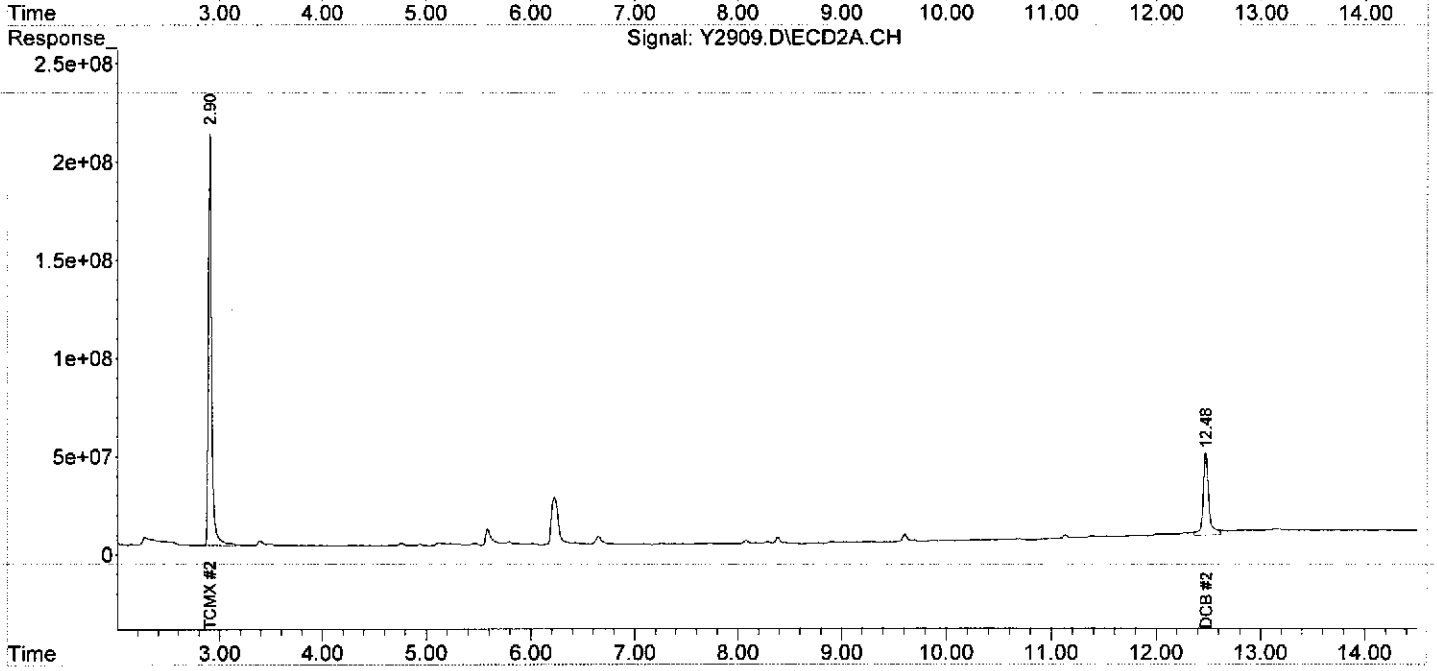
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2909.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 15:38
Operator : YG
Sample : Y-29(2.0-2,10574-043,S,5.70g,13.2,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 77 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:26:56 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\10-24-12\
Data File : Y2910.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 15:55
Operator : YG
Sample : Y-29(2.5-4,10574-044,S,5.12g,28.8,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,10
ALS Vial : 78 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 13:33:19 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						
L) S TCMX	2.82	2.90	955.8E6	358.4E6	9.423	10.867
Spiked Amount 200.000			Recovery	=	4.71%	5.43%
2) S DCB	12.10	12.48	316.9E6	127.1E6	12.431m	12.244m
Spiked Amount 200.000			Recovery	=	6.22%	6.12%
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

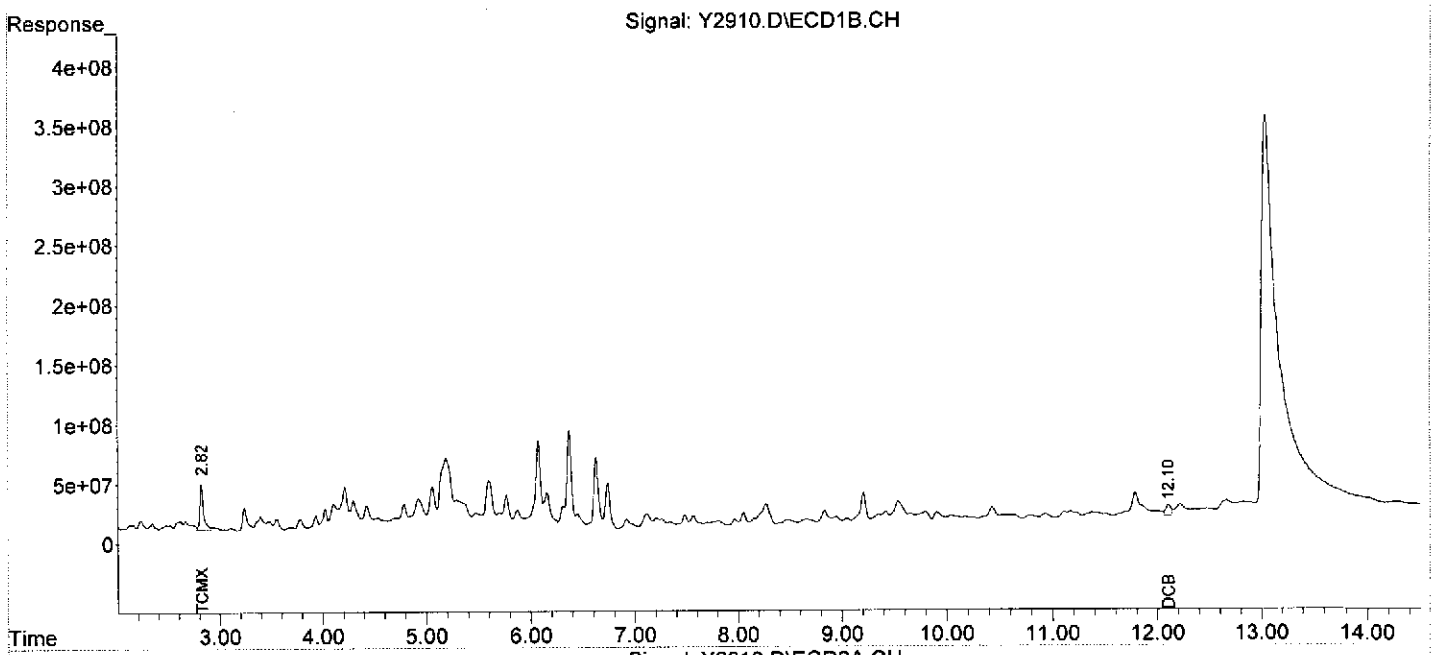
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

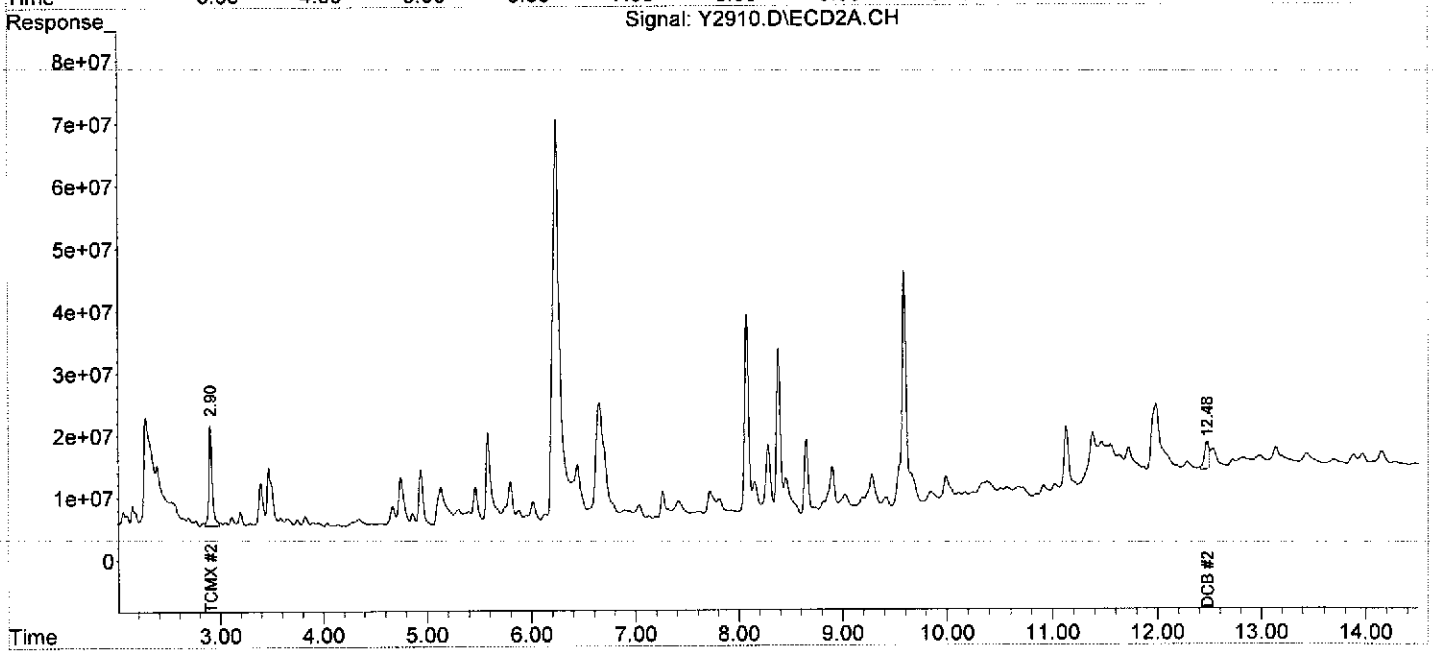
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2910.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 15:55
Operator : YG
Sample : Y-29(2.5-4,10574-044,S,5.12g,28.8,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,10
ALS Vial : 78 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 13:33:19 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\10-24-12\
Data File : Y2911.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 16:13
Operator : YG
Sample : Y-29(4.0-6,10574-045,S,5.40g,20.2,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 79 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:35:32 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	13523.0E6	4709.7E6	133.321	142.816
Spiked Amount 200.000			Recovery	=	66.66%	71.41%
2) S DCB	12.10	12.48	2746.6E6	1347.2E6	107.737	129.740m
Spiked Amount 200.000			Recovery	=	53.87%	64.87%
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

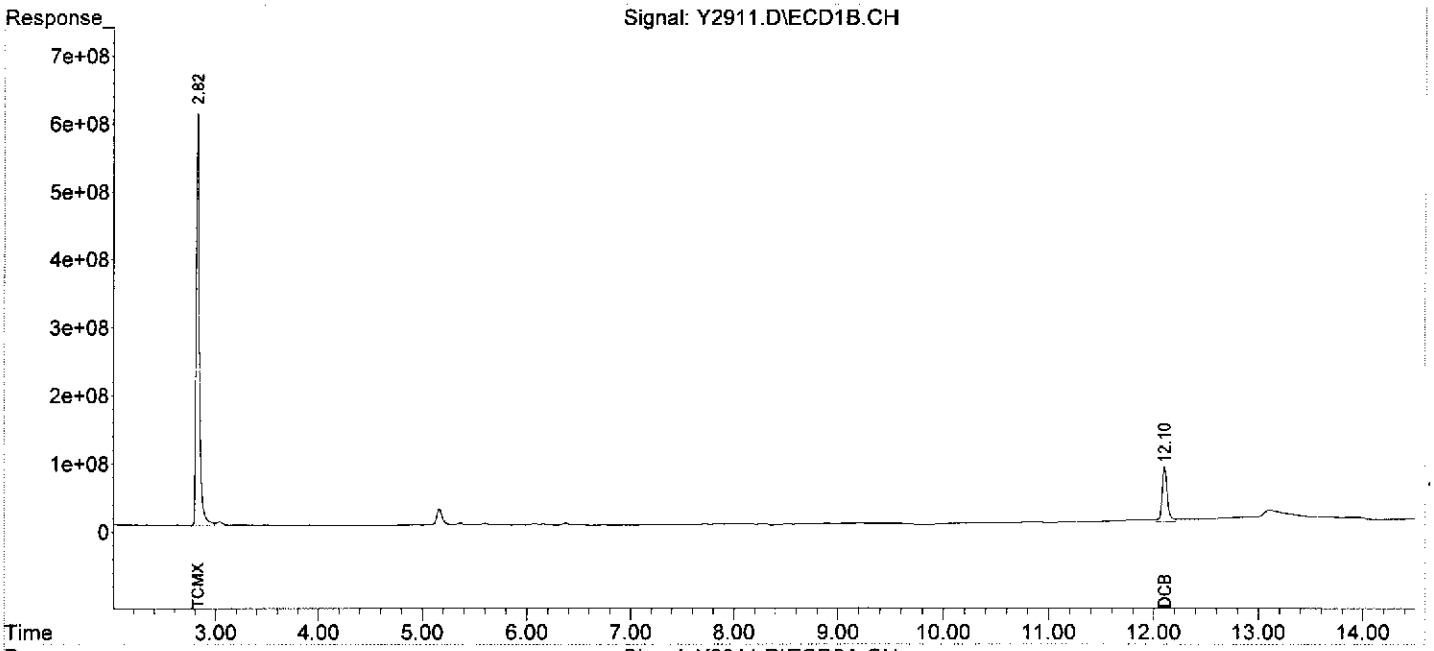
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

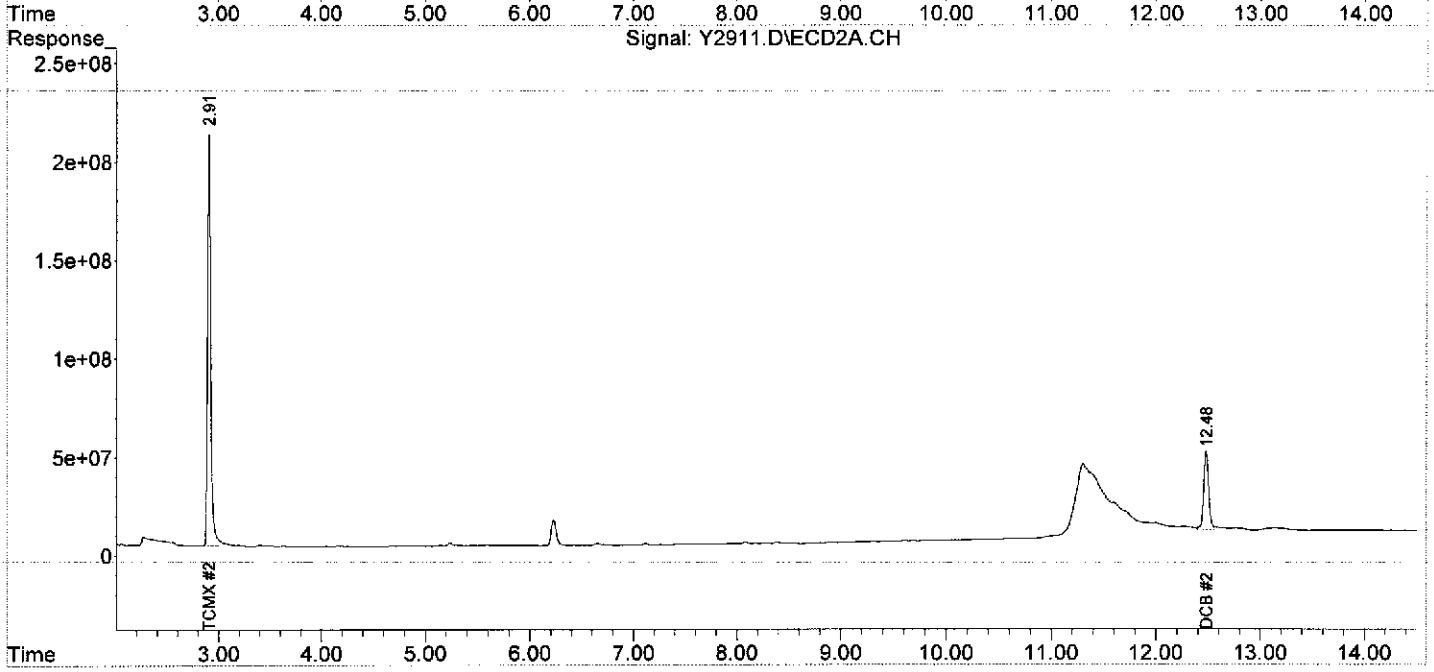
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2911.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 16:13
Operator : YG
Sample : Y-29(4.0-6,10574-045,S,5.40g,20.2,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 79 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:35:32 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 : Y2927.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 22:31
Operator : JS
Sample : Z-29(0-2.0,10574-046,S,5.57g,39.7,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 13:09:17 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	1646.0E6	565.0E6	16.228	17.134
Spiked Amount 200.000			Recovery	=	8.11%	8.57%
2) S DCB	12.11	12.48	506.0E6	222.6E6	19.849m	21.440
Spiked Amount 200.000			Recovery	=	9.92%	10.72%
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	5.13	1823.8E6	641.0E6	469.614	506.388
4) L6 Aroclor-1248 {2}	5.05	5.71	3151.7E6	2871.7E6	1502.472	1525.482
5) L6 Aroclor-1248 {3}	5.37	6.10	4638.5E6	2223.9E6	1681.853	1674.630
6) L6 Aroclor-1248 {4}	6.07	6.26	10051.5E6	1588.4E6	1946.266	1298.745 #
7) L6 Aroclor-1248 {5}	6.34	6.61	6218.4E6	865.6E6	1783.847	1282.496 #
Sum Aroclor-1248			25883.8E6	8190.6E6	7384.052	6287.741
Average Aroclor-1248					1476.810	1257.548
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

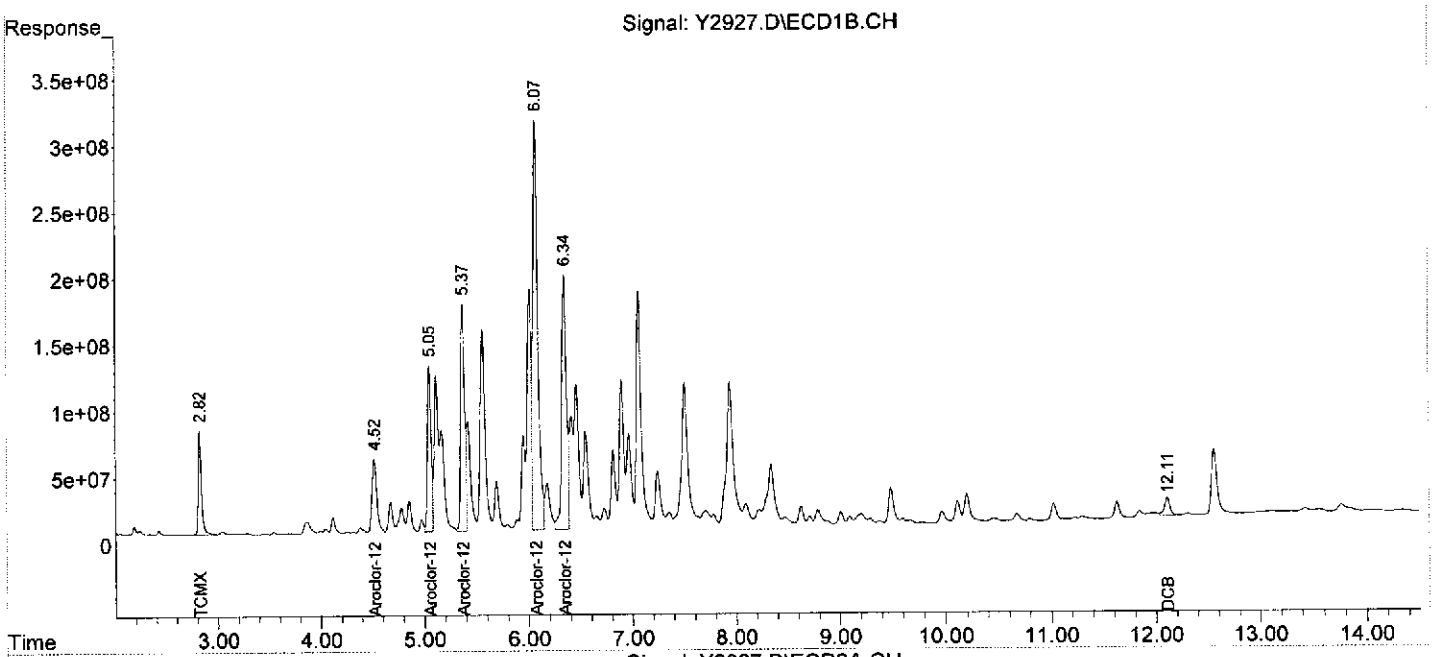
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

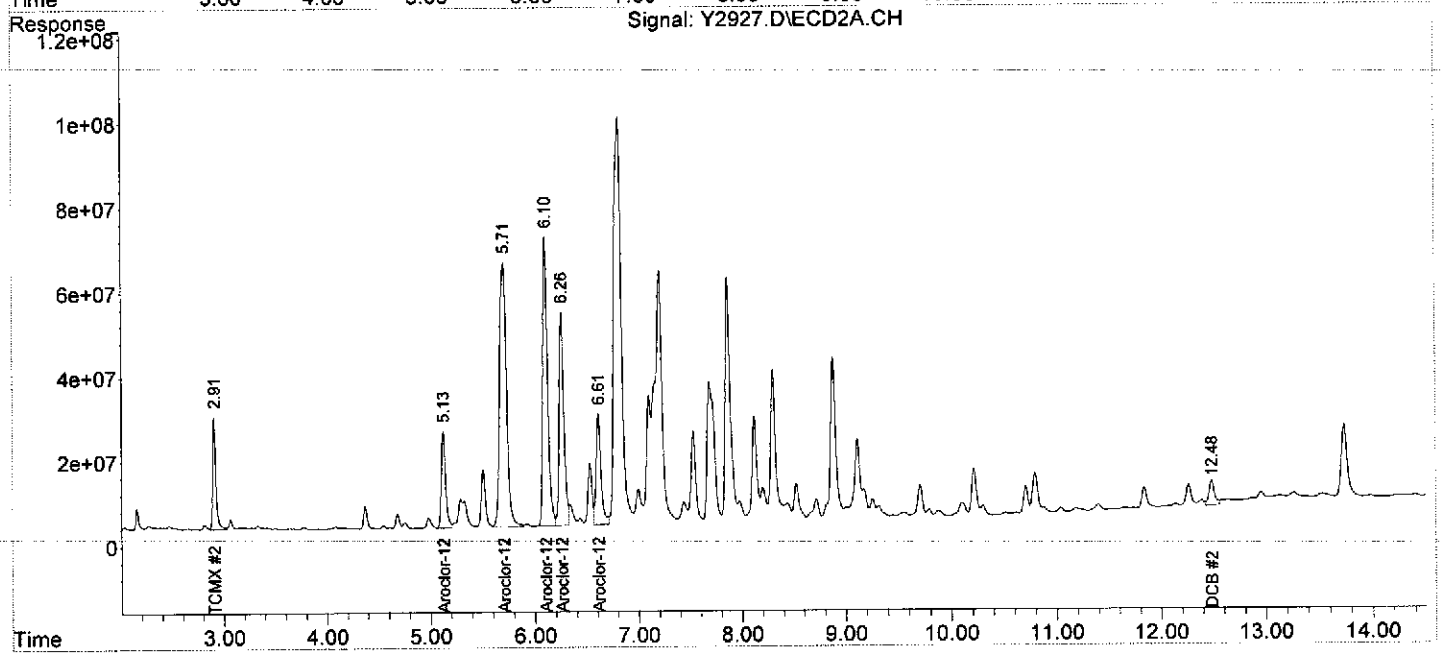
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : Y2927.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 22:31
Operator : JS
Sample : Z-29(0-2.0,10574-046,S,5.57g,39.7,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 13:09:17 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 :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2913.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 17:04
Operator : YG
Sample : Z-29(2.0-4,10574-047,S,5.47g,16.9,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:36:32 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	14216.5E6	5032.1E6	140.158	152.593
Spiked Amount 200.000			Recovery	=	70.08%	76.30%
) S DCB	12.11	12.48	2740.9E6	2357.6E6	107.512m	227.051m#
Spiked Amount 200.000			Recovery	=	53.76%	113.53%
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

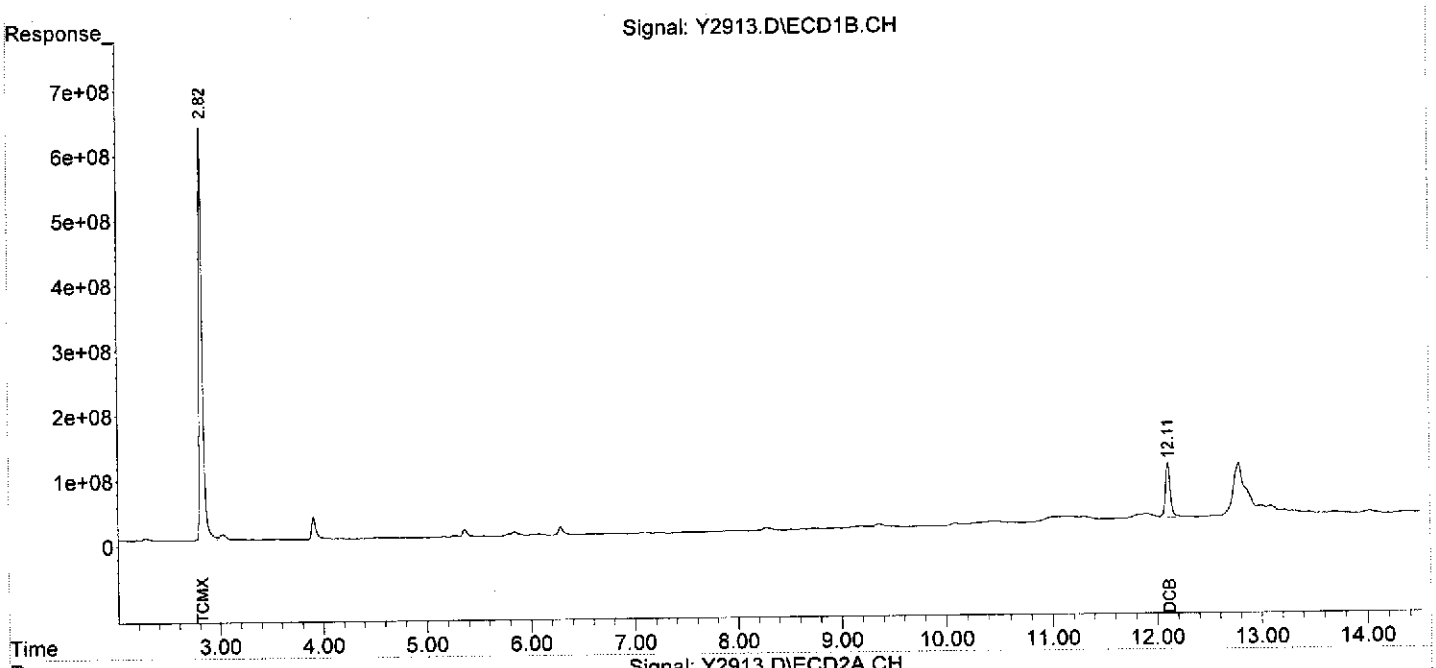
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

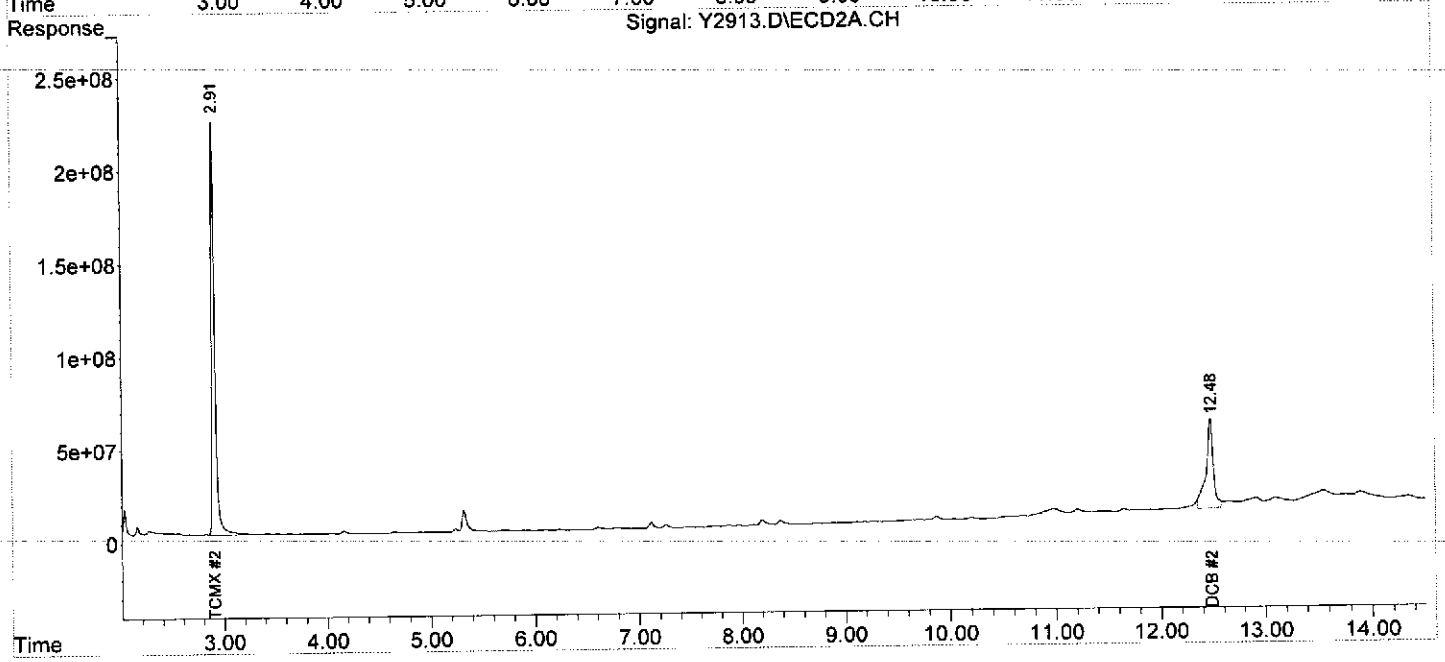
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2913.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 17:04
Operator : YG
Sample : Z-29(2.0-4,10574-047,S,5.47g,16.9,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:36:32 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\10-24-12\
Data File : Y2914.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 17:56
Operator : YG
Sample : Z-29(4.0-5,10574-048,S,5.02g,80.6,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:37:07 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	18936.6E6	6592.7E6	186.693	199.916
Spiked Amount 200.000			Recovery	=	93.35%	99.96%
2) S DCB	12.11	12.48	4133.2E6	1914.3E6	162.130m	184.354
Spiked Amount 200.000			Recovery	=	81.06%	92.18%
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

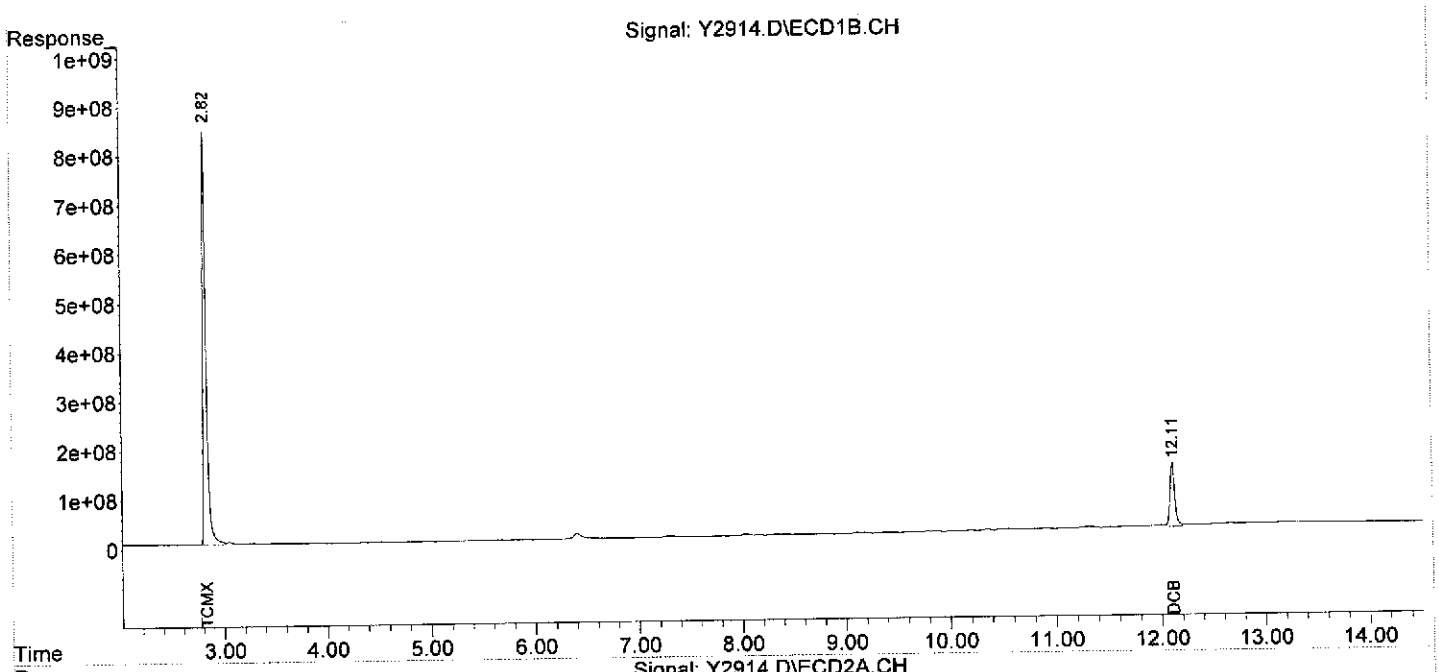
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

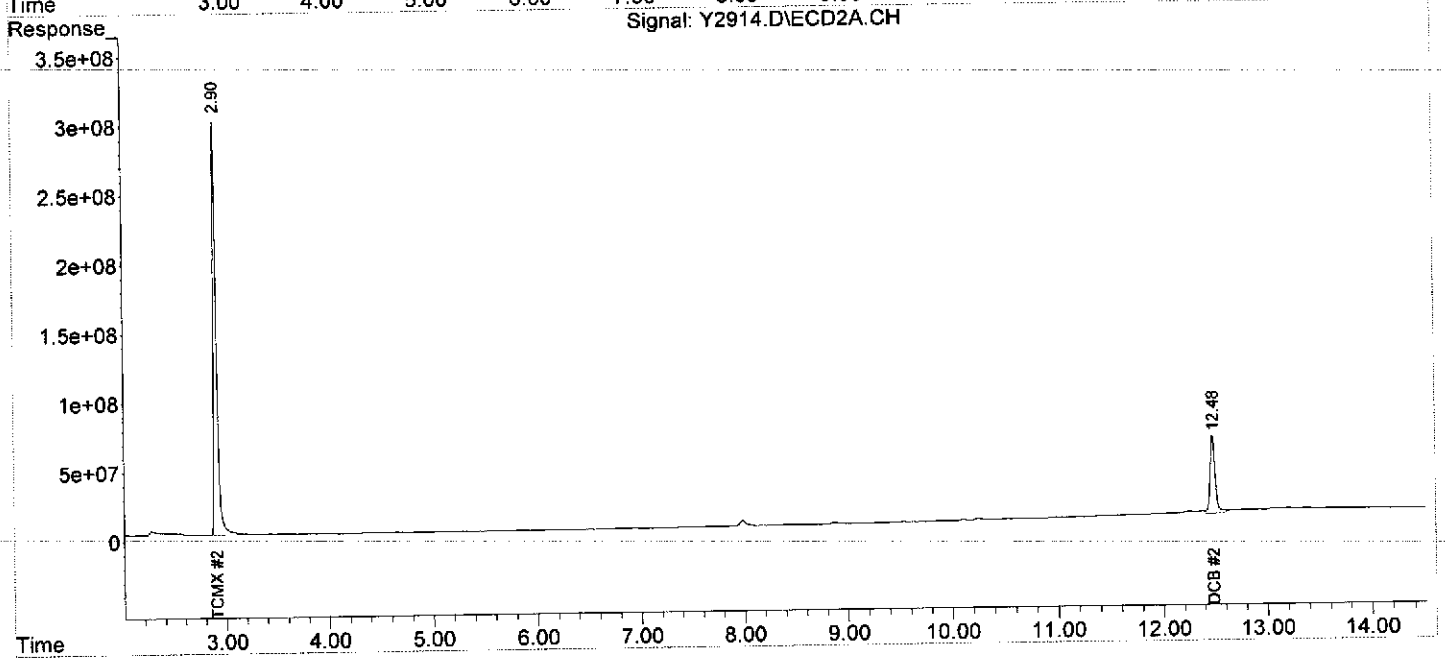
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2914.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 17:56
Operator : YG
Sample : Z-29(4.0-5,10574-048,S,5.02g,80.6,10/22/12,4
Misc : 121022-04,10/18/12,10/18/12,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:37:07 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 : R4692.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 20:52
Operator : JS
Sample : Z-29(5.0-6,10574-049,S,5.51g,21.1,10/23/12,4
Misc : 121023-03,10/18/12,10/18/12,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 09:30:27 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Thu Oct 25 16:31:25 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	28988.2E6	30969.3E6	189.267	192.563
Spiked Amount 200.000			Recovery	=	94.63%	96.28%
2) S DCB	13.10	13.14	11503.0E6	8013.4E6	275.881	248.925
Spiked Amount 200.000			Recovery	=	137.94%	124.46%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

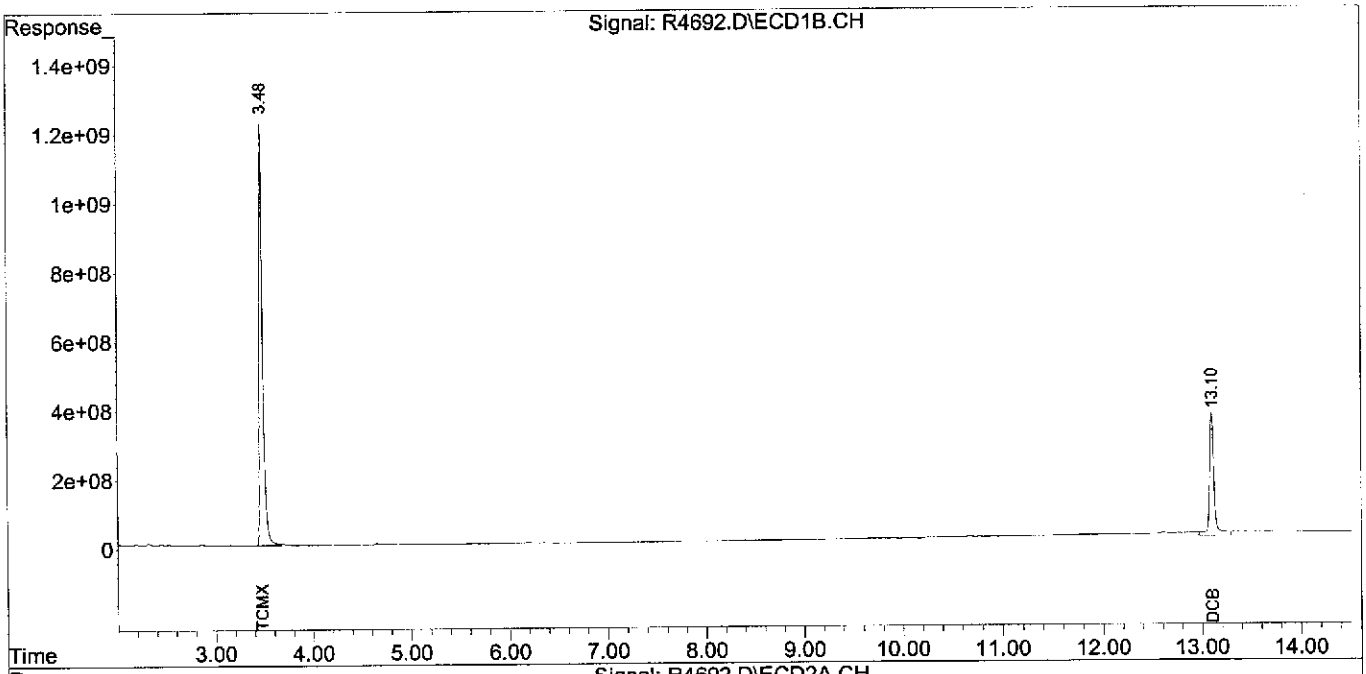
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

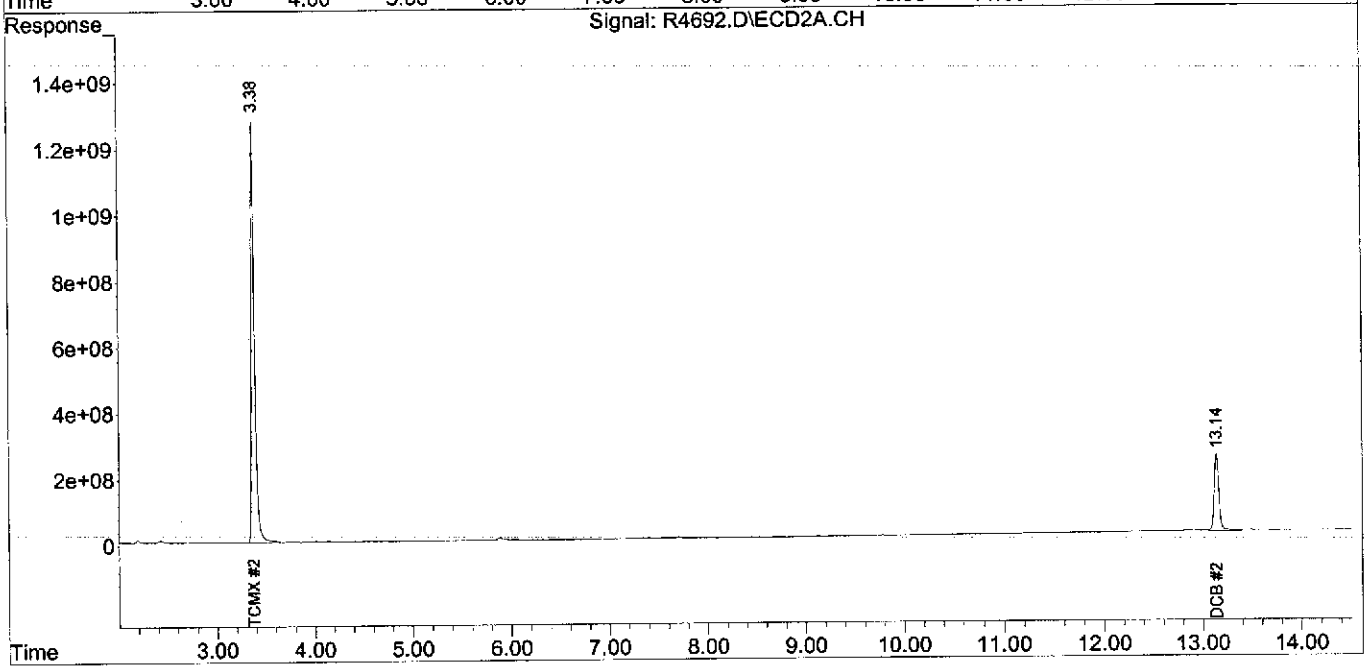
Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\10-25-12\
Data File : R4692.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 20:52
Operator : JS
Sample : Z-29(5.0-6,10574-049,S,5.51g,21.1,10/23/12,4
Misc : 121023-03,10/18/12,10/18/12,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 16 09:30:27 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Thu Oct 25 16:31:25 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 : Y3073.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 Nov 2012 00:33
Operator : JS
Sample : FB-54,10574-050,A,1000ml,100,10/25/12,1
Misc : 121025-05,10/18/12,10/18/12,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 13 12:39:21 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						
) S TCMX	2.82	2.90	21341.0E6	4071.9E6	135.833	123.117
Spiked Amount 200.000			Recovery	=	67.92%	61.56%
) S DCB	12.11	12.48	5482.4E6	1545.7E6	132.084	141.279
Spiked Amount 200.000			Recovery	=	66.04%	70.64%
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

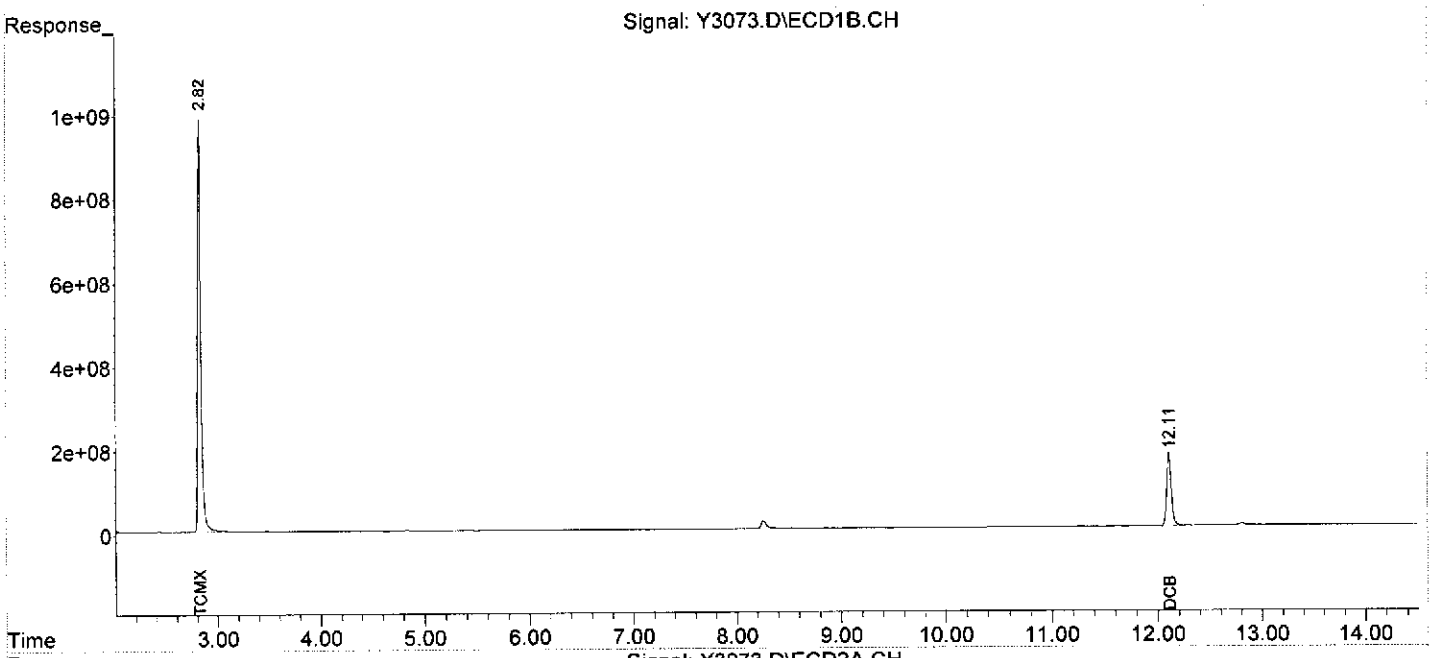
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

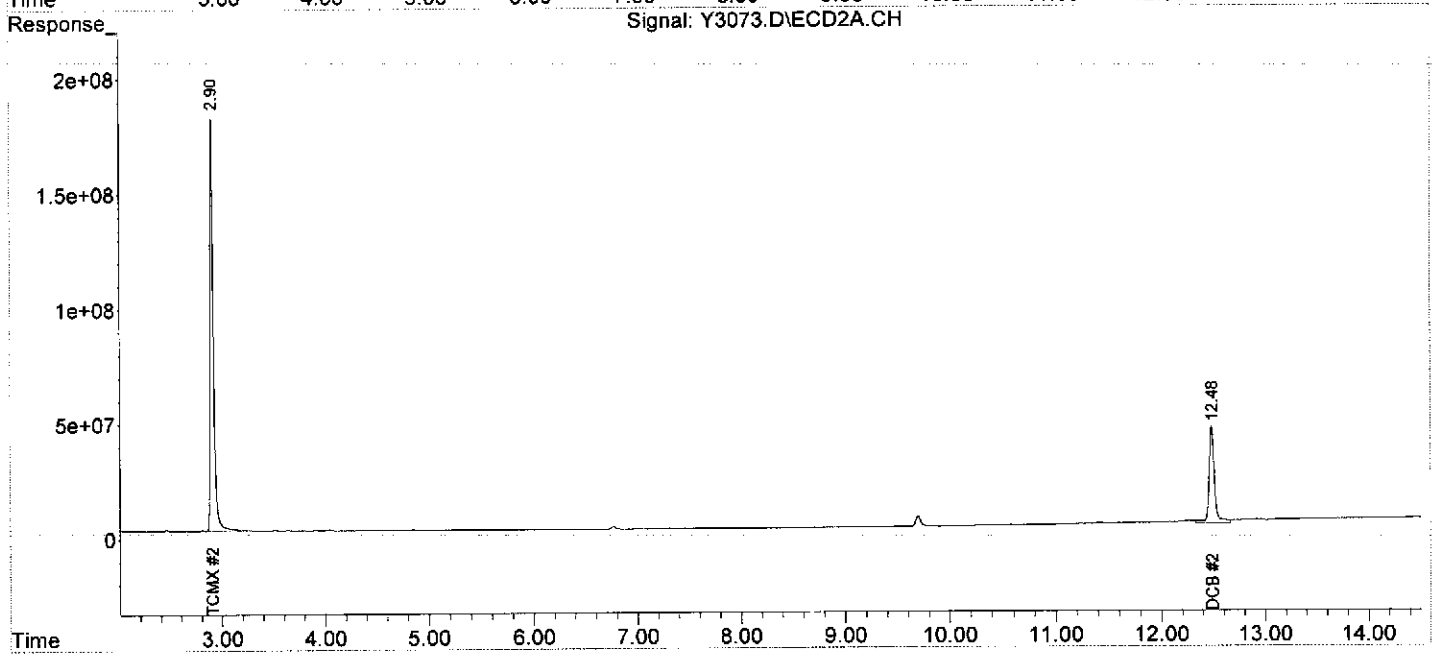
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\11-07-12\
Data File : Y3073.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 Nov 2012 00:33
Operator : JS
Sample : FB-54,10574-050,A,1000ml,100,10/25/12,1
Misc : 121025-05,10/18/12,10/18/12,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 13 12:39:21 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: BLKS121019-09
Client ID: PCB
Date Received: NA
Date Extracted: 10/19/2012
Date Analyzed: 10/24/2012
Data file: R4646.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

E12-10574 0245

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : R4646.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 18:36
Operator : YG
Sample : PCB,BLKS121019-09,S,5.00g,0,10/19/12,4
Misc : NA,NA,NA,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:08:59 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 15:14:37 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	3.47	3.38	40226.1E6	43431.6E6	248.135	294.527m
Spiked Amount 200.000			Recovery	=	124.07%	147.26%
2) S DCB	13.10	13.14	9395.8E6	7880.8E6	184.840	213.311
Spiked Amount 200.000			Recovery	=	92.42%	106.66%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

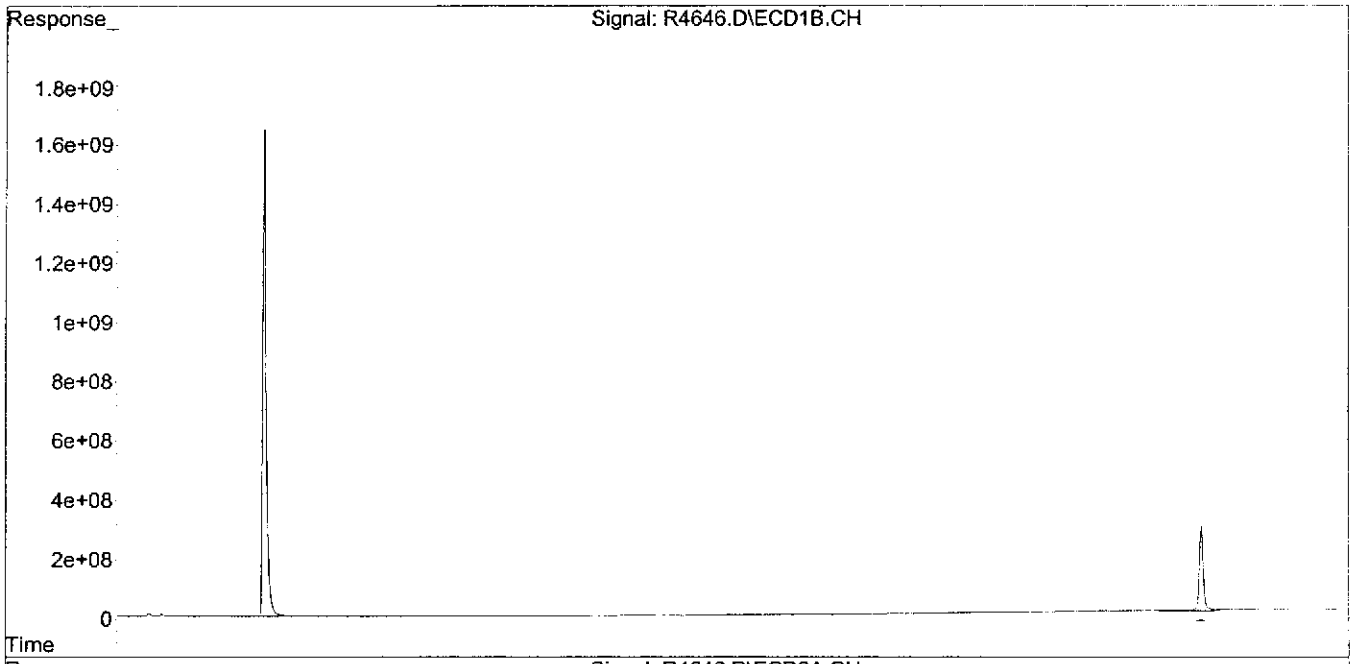
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

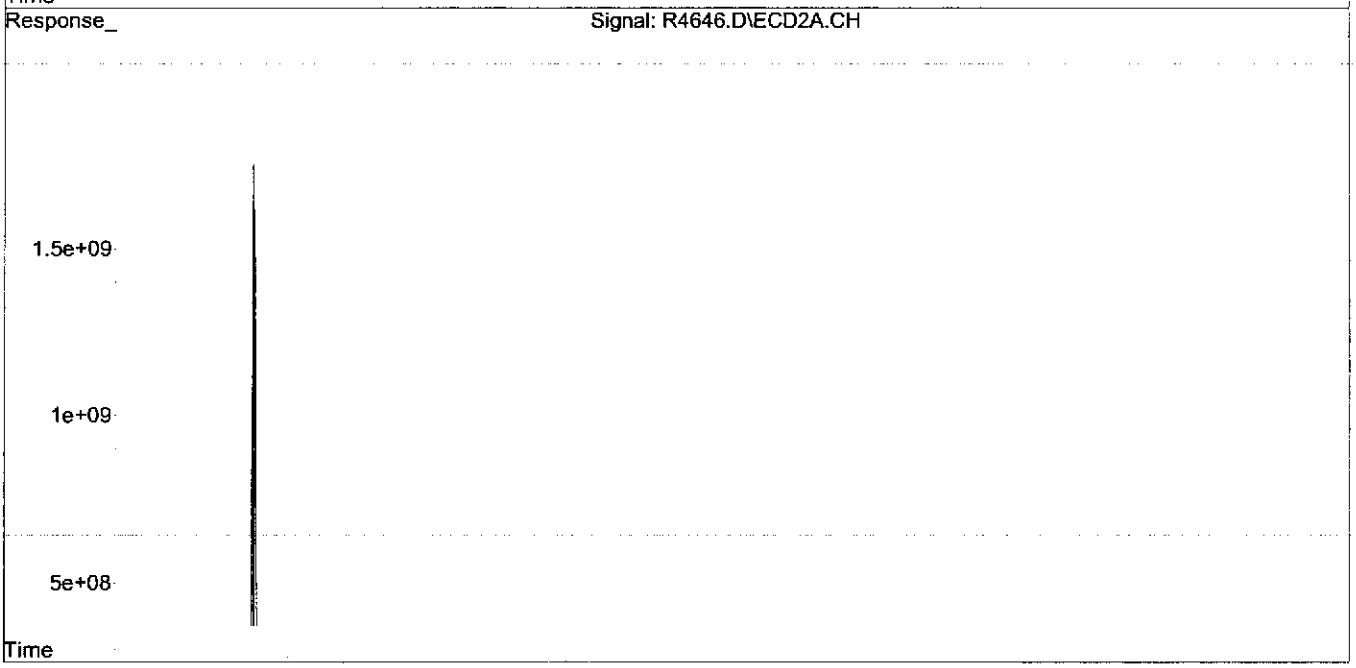
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : R4646.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 18:36
Operator : YG
Sample : PCB,BLKS121019-09,S,5.00g,0,10/19/12,4
Misc : NA,NA,NA,1
ALS Vial : 5 Sample Multiplier: 1

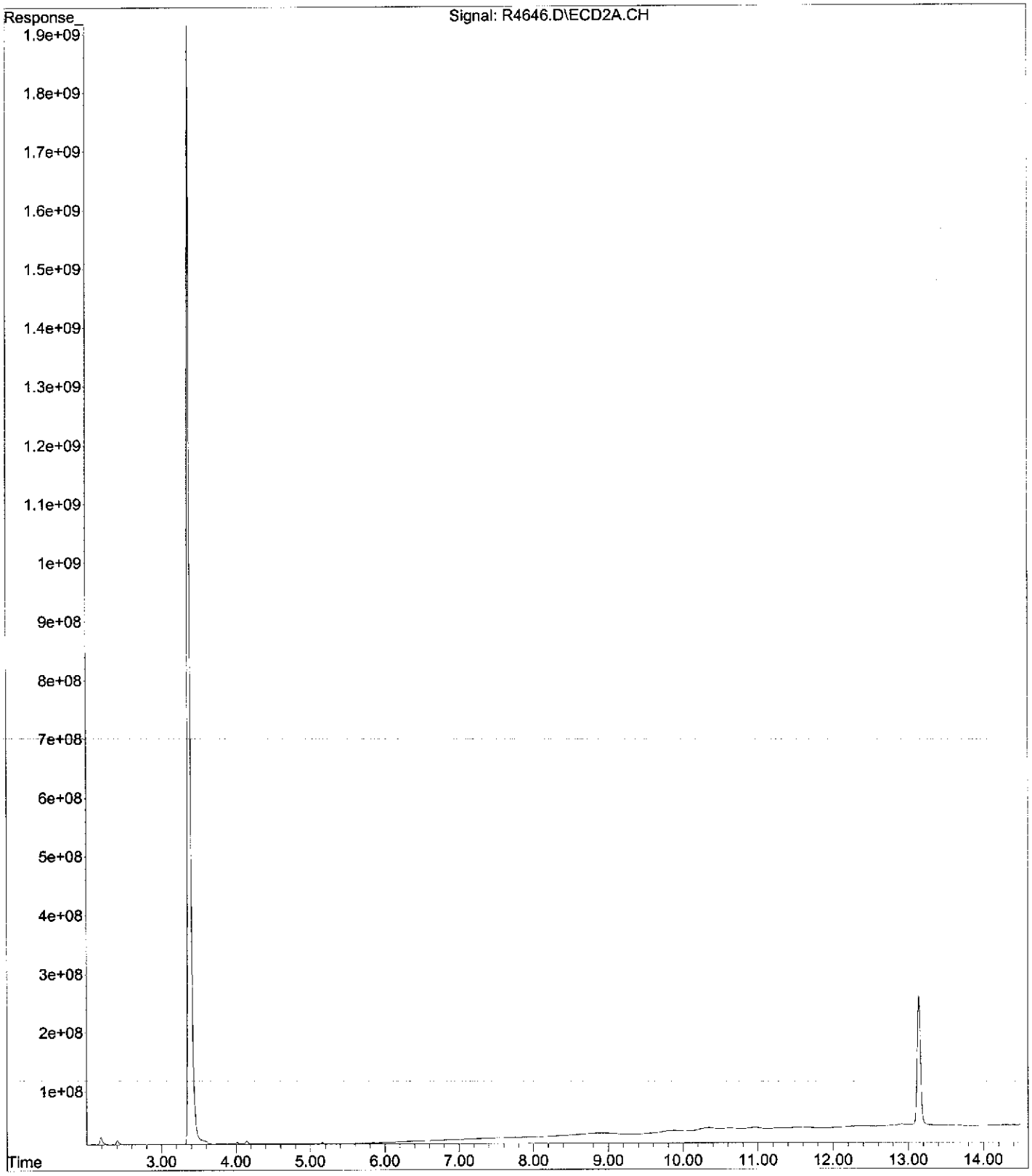
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 11:08:59 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 15:14:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





File :C:\MSDChem\1\DATA\10-24-12\R4646.D
Operator : YG
Acquired : 24 Oct 2012 18:36 using AcqMethod RPCB0928.M
Instrument : GC_R
Sample Name: PCB,BLKS121019-09,S,5.00g,0,10/19/12,4
Misc Info : NA,NA,NA,1
Vial Number: 5



INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKS121022-03
Client ID: PCB
Date Received: NA
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2868.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\10-24-12\
Data File : Y2868.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 2:31
Operator : YG
Sample : PCB,BLKS121022-03,S,5.00g,0,10/22/12,4
Misc : NA,NA,NA,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 09:40:08 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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	26967.3E6	8495.3E6	285.480	276.067
Spiked Amount 200.000			Recovery	=	142.74%	138.03%
2) S DCB	12.11	12.48	4763.1E6	2102.4E6	218.929	244.739
Spiked Amount 200.000			Recovery	=	109.46%	122.37%
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
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

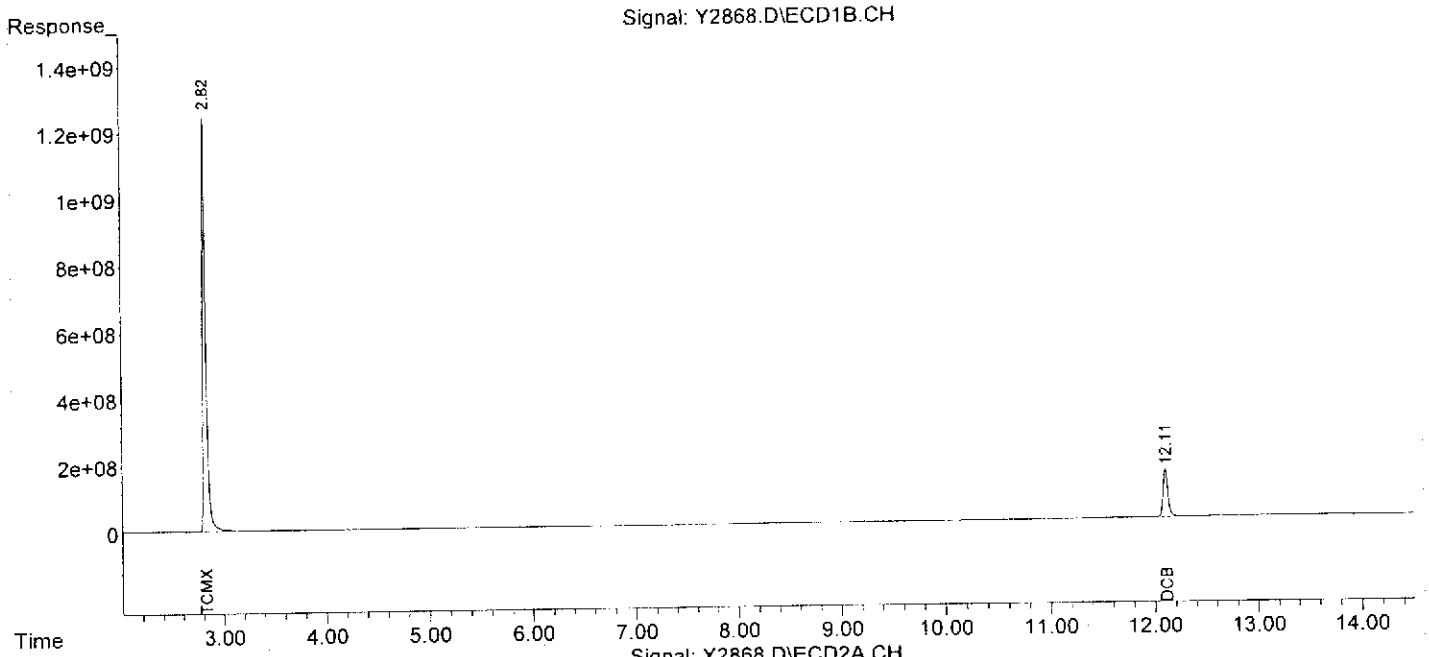
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

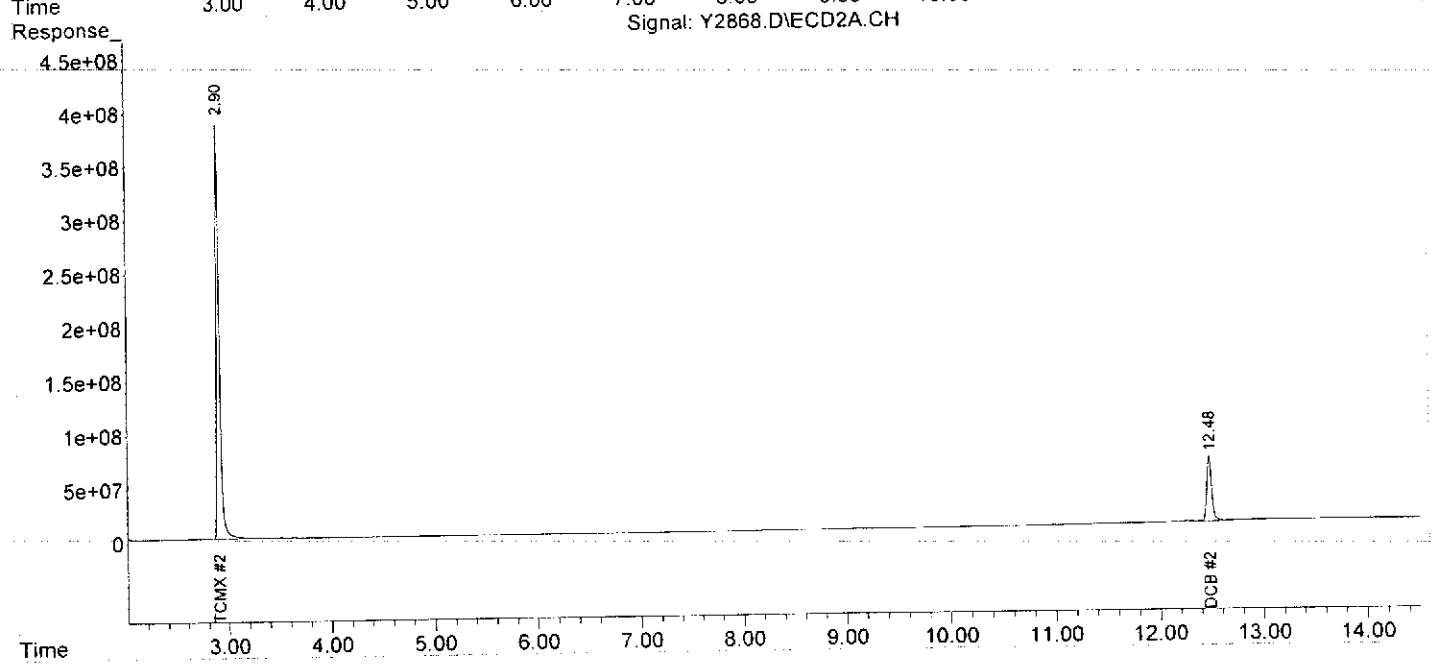
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2868.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 2:31
Operator : YG
Sample : PCB,BLKS121022-03,S,5.00g,0,10/22/12,4
Misc : NA,NA,NA,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 09:40:08 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Wed Oct 24 16:37:17 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: BLKS121022-04
Client ID: PCB
Date Received: NA
Date Extracted: 10/22/2012
Date Analyzed: 10/25/2012
Data file: Y2894.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

E12-10574 0252

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2894.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 9:57
Operator : YG
Sample : PCB,BLKS121022-04,S,5.00g,0,10/22/12,4
Misc : NA,NA,NA,1
ALS Vial : 62 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:14:46 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						
1) S TCMX	2.82	2.90	16317.9E6	5328.9E6	160.876	161.594
Spiked Amount 200.000			Recovery	=	80.44%	80.80%
2) S DCB	12.11	12.48	4521.1E6	1571.0E6	177.344	151.300
Spiked Amount 200.000			Recovery	=	88.67%	75.65%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

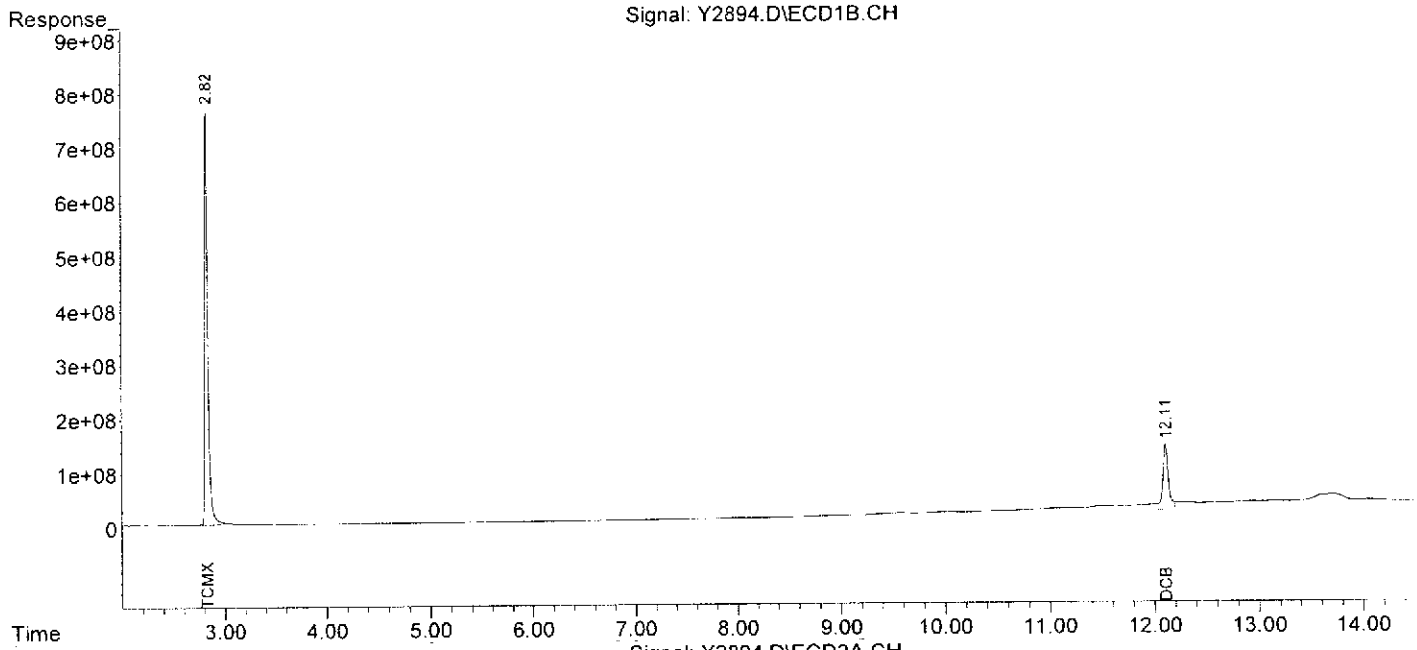
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

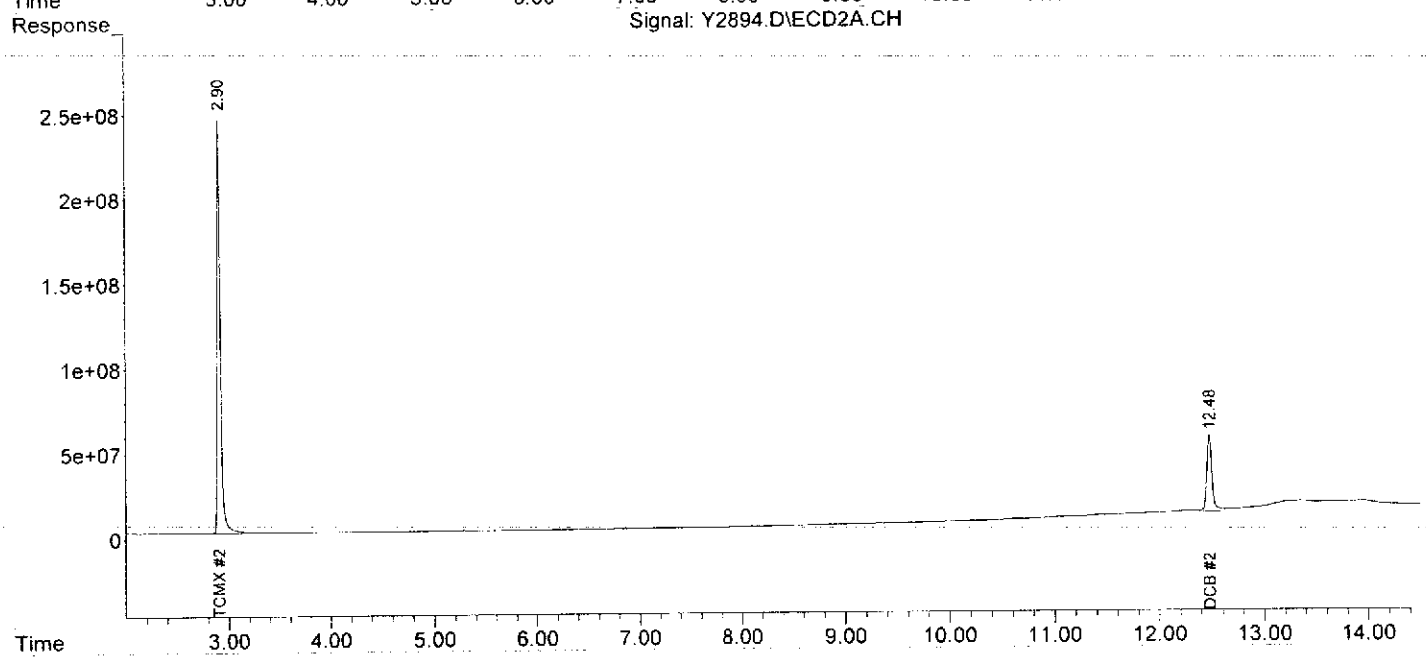
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2894.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 9:57
Operator : YG
Sample : PCB,BLKS121022-04,S,5.00g,0,10/22/12,4
Misc : NA,NA,NA,1
ALS Vial : 62 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 26 12:14:46 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 :





INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKS121023-03
Client ID: PCB
Date Received: NA
Date Extracted: 10/23/2012
Date Analyzed: 10/25/2012
Data file: R4691.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

E12-10574 0255

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : R4691.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 20:34
Operator : JS
Sample : PCB,BLKS121023-03,S,5.00g,0,10/23/12,4
Misc : NA,NA,NA,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 16:15:38 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Thu Oct 25 16:31:25 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	3.47	3.37	29198.0E6	31434.1E6	190.637	195.453
Spiked Amount 200.000			Recovery	=	95.32%	97.73%
2) S DCB	13.10	13.14	8820.0E6	7185.0E6	211.534m	223.190
Spiked Amount 200.000			Recovery	=	105.77%	111.60%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

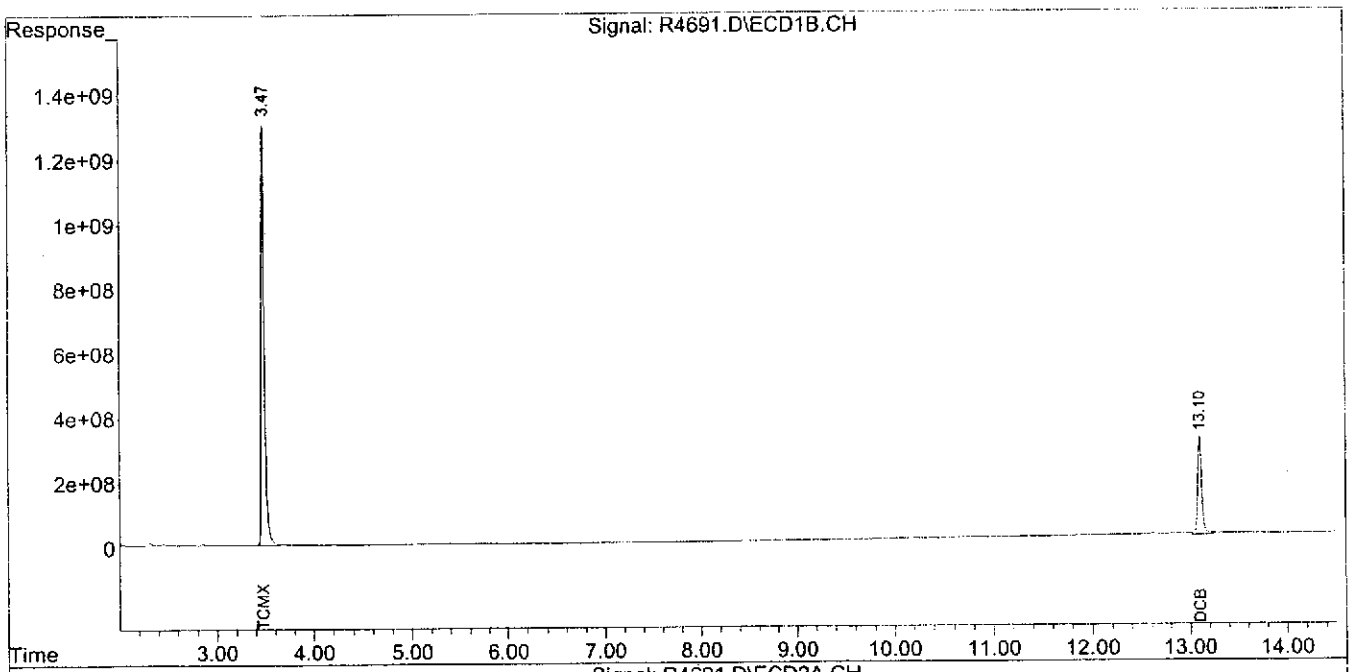
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

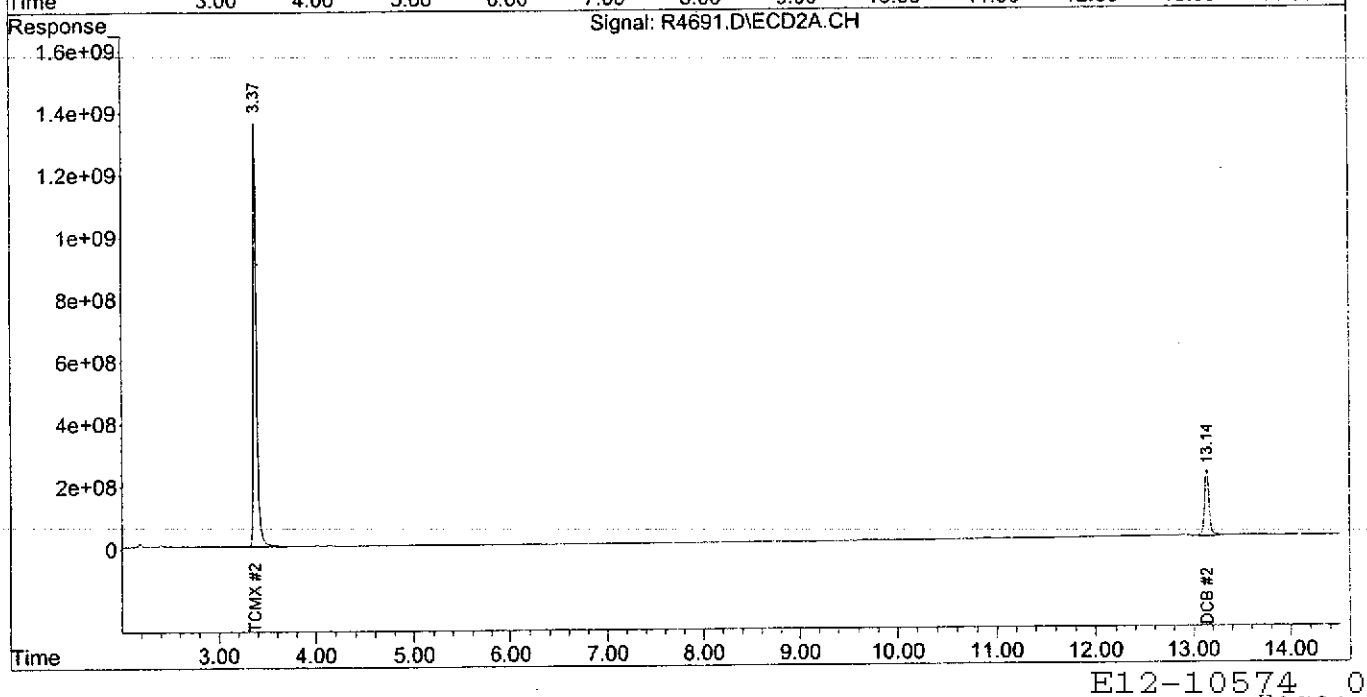
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-25-12\
Data File : R4691.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Oct 2012 20:34
Operator : JS
Sample : PCB,BLKS121023-03,S,5.00g,0,10/23/12,4
Misc : NA,NA,NA,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 15 16:15:38 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB1025.M
Quant Title :
QLast Update : Thu Oct 25 16:31:25 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

E12-10574 0258

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

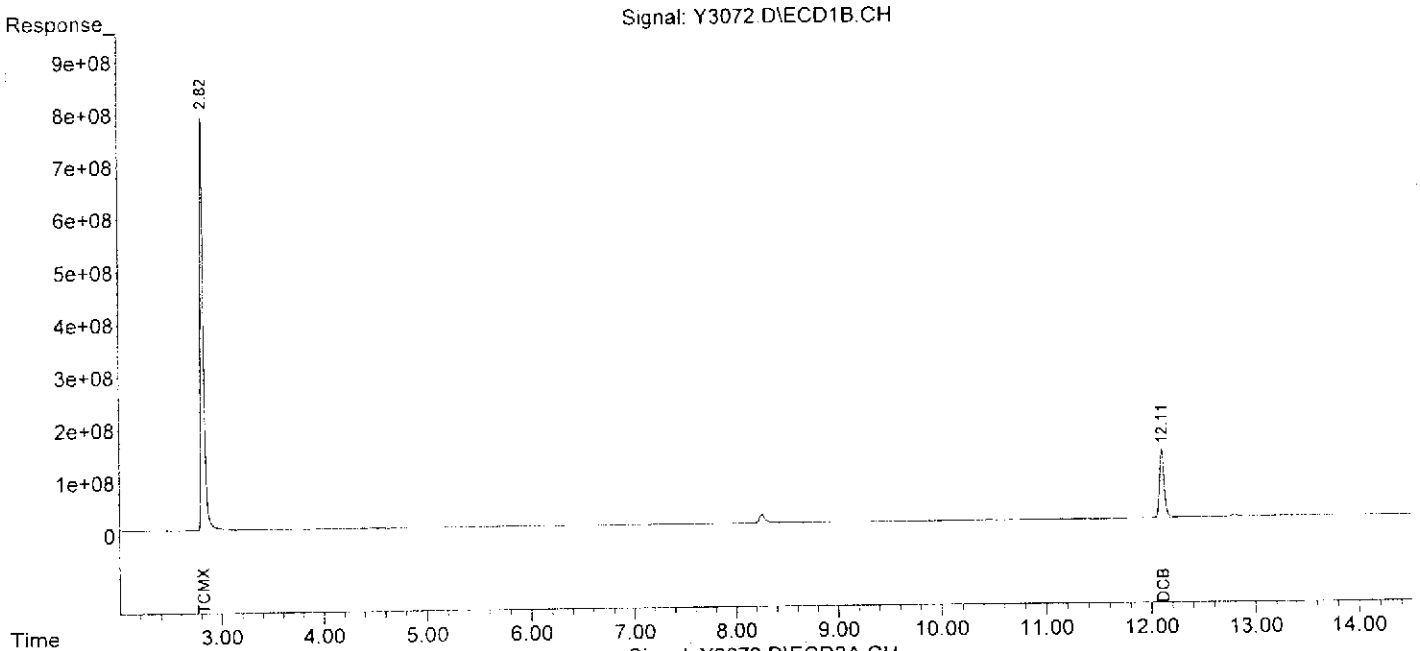
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

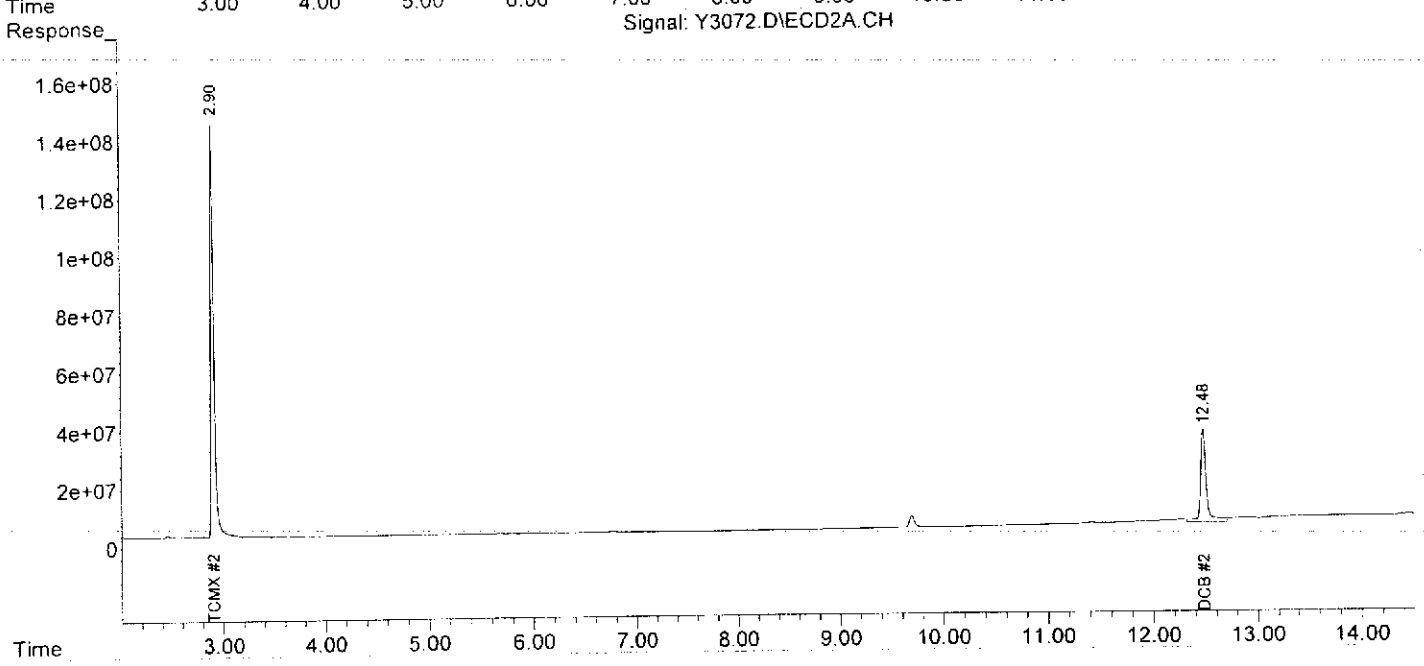
Quantitation Report (QT Reviewed)

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 :





SAMPLE TRACKING

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

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

Sample Matrix

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

SAMPLE INFORMATION

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
S-34 (0-2.0)		10/18/12	8:43	S	1	1	X						
S-34 (2.0-4.0)			8:44	S	1	2	X						
S-34 (4.0-5.0)			8:45	S	1	3	X						
S-34 (5.0-5.5)			8:46	S	1	4	X						
S-34 (5.5-6.0)			8:47	S	1	5	X						
S-33 (0-2.0)			9:02	S	1	6	X						
S-33 (2.0-4.0)			9:03	S	1	7	X						
S-33 (4.0-5.0)			9:04	S	1	8	X						

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

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

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

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

	Signature/Company	Date	Time		Signature/Company	Date	Time
Relinquished by:	[illegible]	10/18/12		Received by:	[illegible]	10/18/12	1530
Relinquished by:	[illegible]	10/18/12	1700	Received by:	[illegible]	10/18/12	1700
Relinquished by:				Received by:			
Relinquished by:				Received by:			
Relinquished by:				Received by:			

Comments:

Lab Case # 10574

PAGE: 1 of 7

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

CUSTOMER INFO	REPORTING INFO	
Company: JMC Environmental Consultants, Inc.	REPORT TO:	James Clabby
Address: 2109 Bridge Ave., Bldg. B	Address:	same
Point Pleasant, NJ 08742		
Telephone #: (732) 295-2144	Attn:	
Fax #: (732) 295-2150	FAX # (732) 295-2150	
Project Manager: James Clabby	INVOICE TO:	Aceto Corp.
EMAIL Address: jclabby@jmcenvironmental.com	Address: 4 Tri Harbor Court	
Sampler: 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
S-33 (5.0-5.5)		10/18/12	9:05	S	1	9	x						
S-33 (5.5-6.0)			9:06	S	1	10	x						
R-33 (0-2.0)			9:35	S	1	11	x						
R-33 (2.0-4.0)			9:36	S	1	12	x						
R-33 (4.0-5.0)			9:37	S	1	13	x						
R-33 (5.0-6.0)			9:38	S	1	14	x						
R-35 (0-2.0)			10:20	S	1	15	x						
R-35 (2.0-4.0)			10:21	S	1	16	x						

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

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

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

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

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:	10/18/12		Received by:	10/18/12	1530
Relinquished by:	10/18/12		Received by:	10/18/12	1700
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 10574

PAGE: 2 of 7

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Fax #: (732) 295-2150	FAX # (732) 295-2150
Project Manager: James Clabby	INVOICE TO: Aceto Corp.
EMAIL Address: jclabby@jmcenvironmental.com	Address: 4 Tri Harbor Court
Sampler: 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 4 °C

Sample Matrix

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

SAMPLE INFORMATION

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
R-35 (4.0-5.0)		10/18/12	10:22	S	1	17	X						
R-35 (5.0-5.5)			10:23	S	1	18	X						
R-35 (5.5-6.0)			10:24	S	1	19	X						
R-34 (0-2.0)			10:45	S	1	20	X						
R-34 (2.0-4.0)			10:46	S	1	21	X						
R-34 (4.0-5.0)			10:47	S	1	22	X						
R-34 (5.0-6.0)			10:48	S	1	23	X						
T-34 (0-2.0)			11:20	S	1	24	X						

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

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

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

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	Signature/Company	Date	Time		Signature/Company	Date	Time
Relinquished by:	[illegible]	10/18/12		Received by:	[illegible]	10/18/12	1530
Relinquished by:	[illegible]	10/18/12	1700	Received by:	[illegible]	10/18/12	1700
Relinquished by:				Received by:			
Relinquished by:				Received by:			
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Comments:

Lab Case # 10574

PAGE: 3 of 7

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Company: JMC Environmental Consultants, Inc.	REPORT TO: James Clabby
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Project Manager: James Clabby	INVOICE TO: Accto 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___ 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
T-34 (3.0-4.0)		10/18/12	11:21	S	1	25	X						
T-34 (4.0-5.0)			11:22	S	1	26	X						
T-34 (5.0-6.0)			11:23	S	1	27	X						
T-33 (0-2.0)			11:48	S	1	28	X						
T-33 (2.0-4.0)			11:49	S	1	29	X						
T-33 (4.0-5.0)			11:50	S	1	30	X						
T-33 (5.0-5.5)			11:51	S	1	31	X						
T-33 (5.5-6.0)			11:52	S	1	32	X						

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

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

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

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Relinquished by:	[signature]	10-18-12	1700	Received by:	[signature]	10/18/12	1700
Relinquished by:				Received by:			
Relinquished by:				Received by:			
Relinquished by:				Received by:			

Comments:

Lab Case # 10574

PAGE: 4 of 7

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Project Manager: James Clabby	INVOICE TO: Aceto Corp.
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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)
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Verbal/Fax: Std 2 wk unless otherwise specified
24 hr** 48 hr** 72 hr** 96 hr** 1 wk**
Other** (specify):
Hard Copy: Std 3 week * — Other - call for price

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

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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
U-33 (0-2.0)		10/18/12	1:10	S	1	33	X						
U-33 (2.0-4.0)			1:11	S	1	34	X						
U-33 (4.0-5.0)			1:12	S	1	35	X						
U-33 (5.0-5.5)			1:13	S	1	36	X						
U-33 (5.5-6.0)			1:14	S	1	37	X						
U-34 (0-2.0)			1:35	S	1	38	X						
U-34 (2.0-4.0)			1:36	S	1	39	X						
U-34 (4.0-5.0)			1:37	S	1	40	X						

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

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

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Relinquished by:				Received by:			
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Lab Case # 10574

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Project Location (State): NJ	Attn: Ed Kelly
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Cooler Temp __<4__ 4 °C

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DW - Drinking Water AQ - Aqueous WW - Waste Water
OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)
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Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
U-34 (5.0-6.0)		10/18/12	1:38	S	1	41	X						
Y-29 (0-2.0)			2:10	S	1	42	X						
Y-29 (2.0-2.5)			2:11	S	1	43	X						
Y-29 (2.5-4.0)			2:12	S	1	44	X						
Y-29 (4.0-6.0)			2:13	S	1	45	X						
Z-29 (0-2.0)			2:42	S	1	46	X						
Z-29 (2.0-4.0)			2:43	S	1	47	X						
Z-29 (4.0-5.0)			2:44	S	1	48	X						

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

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

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Relinquished by:	10/18/12	1700	Received by:	10/18/12	1700
Relinquished by:			Received by:		
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Relinquished by:			Received by:		

Comments:

Lab Case # 10574

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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/ZN/Ac	Sterile
2-29 (5.0-6.0)		10/18/12	2:45	S	1	49	X						
FB-54		10/18/12	2:55	AQ	2	50	X						
							X						
							X						
							X						
							X						
							X						
							X						

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

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

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Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 10524

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PROJECT INFORMATION

E12-10574

Case No. E12-10574 **Project** ARSYNCO

Customer	**JMC Environmental Consultants**	**P.O. #**	22126
Contact	Jim Clabby	**Received**	10/18/2012 17:00
EMail	jclabby@jmcenvironmental.com; ahallgreen@jmcenvironmental.co tadams@jmcenvironmental.com	**Verbal Due**	11/2/2012
Phone	(732) 295-7144 **Fax** (732) 295-2150	**Report Due**	11/9/2012

☑ EMail EDDs

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
10574-001	S-34(0-2.0)	0 / 2.0	10/18/2012@08:43	Soil	mg/Kg	1
10574-002	S-34(2.0-4.0)	2.0 / 4.0	10/18/2012@08:44	Soil	mg/Kg	1
10574-003	S-34(4.0-5.0)	4.0 / 5.0	10/18/2012@08:45	Soil	mg/Kg	1
10574-004	S-34(5.0-5.5)	5.0 / 5.5	10/18/2012@08:46	Soil	mg/Kg	1
10574-005	S-34(5.5-6.0)	5.5 / 6.0	10/18/2012@08:47	Soil	mg/Kg	1
10574-006	S-33(0-2.0)	0 / 2.0	10/18/2012@09:02	Soil	mg/Kg	1
10574-007	S-33(2.0-4.0)	2.0 / 4.0	10/18/2012@09:03	Soil	mg/Kg	1
10574-008	S-33(4.0-5.0)	4.0 / 5.0	10/18/2012@09:04	Soil	mg/Kg	1
10574-009	S-33(5.0-5.5)	5.0 / 5.5	10/18/2012@09:05	Soil	mg/Kg	1
10574-010	S-33(5.5-6.0)	5.5 / 6.0	10/18/2012@09:06	Soil	mg/Kg	1
10574-011	R-33(0-2.0)	0.2 / 2.0	10/18/2012@09:35	Soil	mg/Kg	1
10574-012	R-33(2.0-4.0)	2.0 / 4.0	10/18/2012@09:36	Soil	mg/Kg	1
10574-013	R-33(4.0-5.0)	4.0 / 5.0	10/18/2012@09:37	Soil	mg/Kg	1
10574-014	R-33(5.0-6.0)	5.0 / 6.0	10/18/2012@09:38	Soil	mg/Kg	1
10574-015	R-35(0-2.0)	0 / 2.0	10/18/2012@10:20	Soil	mg/Kg	1
10574-016	R-35(2.0-4.0)	2.0 / 4.0	10/18/2012@10:21	Soil	mg/Kg	1
10574-017	R-35(4.0-5.0)	4.0 / 5.0	10/18/2012@10:22	Soil	mg/Kg	1
10574-018	R-35(5.0-5.5)	5.0 / 5.5	10/18/2012@10:23	Soil	mg/Kg	1
10574-019	R-35(5.5-6.0)	5.5 / 6.0	10/18/2012@10:24	Soil	mg/Kg	1
10574-020	R-34(0-2.0)	0 / 2.0	10/18/2012@10:45	Soil	mg/Kg	1
10574-021	R-34(2.0-4.0)	2.0 / 4.0	10/18/2012@10:46	Soil	mg/Kg	1
10574-022	R-34(4.0-5.0)	4.0 / 5.0	10/18/2012@10:47	Soil	mg/Kg	1
10574-023	R-34(5.0-6.0)	5.0 / 6.0	10/18/2012@10:48	Soil	mg/Kg	1
10574-024	T-34(0-2.0)	0 / 2.0	10/18/2012@11:20	Soil	mg/Kg	1
10574-025	T-34(2.0-4.0)	2.0 / 4.0	10/18/2012@11:21	Soil	mg/Kg	1
10574-026	T-34(4.0-5.0)	4.0 / 5.0	10/18/2012@11:22	Soil	mg/Kg	1
10574-027	T-34(5.0-6.0)	5.0 / 6.0	10/18/2012@11:23	Soil	mg/Kg	1
10574-028	T-33(0-2.0)	0 / 2.0	10/18/2012@11:48	Soil	mg/Kg	1
10574-029	T-33(2.0-4.0)	2.0 / 4.0	10/18/2012@11:49	Soil	mg/Kg	1

PROJECT INFORMATION

E12-10574

Case No. E12-10574 **Project** ARSYNCO

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
10574-030	T-33(4.0-5.0)	4.0 / 5.0	10/18/2012@11:50	Soil	mg/Kg	1
10574-031	T-33(5.0-5.5)	5.0 / 5.5	10/18/2012@11:51	Soil	mg/Kg	1
10574-032	T-33(5.5-6.0)	5.5 / 6.0	10/18/2012@11:52	Soil	mg/Kg	1
10574-033	U-33(0-2.0)	0 / 2.0	10/18/2012@13:10	Soil	mg/Kg	1
10574-034	U-33(2.0-4.0)	2.0 / 4.0	10/18/2012@13:11	Soil	mg/Kg	1
10574-035	U-33(4.0-5.0)	4.0 / 5.0	10/18/2012@13:12	Soil	mg/Kg	1
10574-036	U-33(5.0-5.5)	5.0 / 5.5	10/18/2012@13:13	Soil	mg/Kg	1
10574-037	U-33(5.5-6.0)	5.5 / 6.0	10/18/2012@13:14	Soil	mg/Kg	1
10574-038	U-34(0-2.0)	0 / 2.0	10/18/2012@13:35	Soil	mg/Kg	1
10574-039	U-34(2.0-4.0)	2.0 / 4.0	10/18/2012@13:36	Soil	mg/Kg	1
10574-040	U-34(4.0-5.0)	4.0 / 5.0	10/18/2012@13:37	Soil	mg/Kg	1
10574-041	U-34(5.0-6.0)	5.0 / 6.0	10/18/2012@13:38	Soil	mg/Kg	1
10574-042	Y-29(0-2.0)	0 / 2.0	10/18/2012@14:10	Soil	mg/Kg	1
10574-043	Y-29(2.0-2.5)	2.0 / 2.5	10/18/2012@14:11	Soil	mg/Kg	1
10574-044	Y-29(2.5-4.0)	2.5 / 4.0	10/18/2012@14:12	Soil	mg/Kg	1
10574-045	Y-29(4.0-6.0)	4.0 / 6.0	10/18/2012@14:13	Soil	mg/Kg	1
10574-046	Z-29(0-2.0)	0 / 2.0	10/18/2012@14:42	Soil	mg/Kg	1
10574-047	Z-29(2.0-4.0)	2.0 / 4.0	10/18/2012@14:43	Soil	mg/Kg	1
10574-048	Z-29(4.0-5.0)	4.0 / 5.0	10/18/2012@14:44	Soil	mg/Kg	1
10574-049	Z-29(5.0-6.0)	5.0 / 6.0	10/18/2012@14:45	Soil	mg/Kg	1
10574-050	FB-54	n/a	10/18/2012@14:55	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	Run	8082
011	TCL PCB	Run	8082
012	TCL PCB	Run	8082
013	TCL PCB	Run	8082
014	TCL PCB	Run	8082
015	TCL PCB	Run	8082
016	TCL PCB	Run	8082
017	TCL PCB	Run	8082
018	TCL PCB	Run	8082
019	TCL PCB	Run	8082
020	TCL PCB	Run	8082
021	TCL PCB	Run	8082
022	TCL PCB	Run	8082
023	TCL PCB	Run	8082

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PROJECT INFORMATION

E12-10574

Case No. E12-10574 **Project** ARSYNCO

Sample #	Tests	Status	QA Method
024	TCL PCB	Run	8082
025	TCL PCB	Run	8082
026	TCL PCB	Run	8082
027	TCL PCB	Run	8082
028	TCL PCB	Run	8082
029	TCL PCB	Run	8082
030	TCL PCB	Run	8082
031	TCL PCB	Run	8082
032	TCL PCB	Run	8082
033	TCL PCB	Run	8082
034	TCL PCB	Run	8082
035	TCL PCB	Run	8082
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
041	TCL PCB	Run	8082
042	TCL PCB	Run	8082
043	TCL PCB	Run	8082
044	TCL PCB	Run	8082
045	TCL PCB	Run	8082
046	TCL PCB	Run	8082
047	TCL PCB	Run	8082
048	TCL PCB	Run	8082
049	TCL PCB	Run	8082
050	TCL PCB	Run	8082

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INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 12** **10574** CLIENT: JMC

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

COC: (COMPLETE) / INCOMPLETE

Comments

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 [signature] DATE 10/18/12

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 ES DATE 10/E12-10574

REV 03/2009

Laboratory Custody Chronicle

IAL Case No. E12-10574

Client JMC Environmental Consultants

Project ARSYNCO

Received On 10/18/2012@17:00

Department: GC

			Prep. Date	Analyst	Analysis Date	Analyst
TCL PCB	10574-001	Soil	10/19/12	Archimede	10/24/12	Julia
"	-002	"	10/19/12	Archimede	10/24/12	Julia
"	-003	"	10/19/12	Archimede	10/24/12	Julia
"	-004	"	10/19/12	Archimede	10/24/12	Julia
"	-005	"	10/19/12	Archimede	10/24/12	Julia
"	-006	"	10/19/12	Archimede	10/24/12	Julia
"	-007	"	10/19/12	Archimede	10/24/12	Julia
"	-008	"	10/19/12	Archimede	10/25/12	Julia
"	-009	"	10/19/12	Archimede	10/25/12	Julia
"	-010	"	10/22/12	Archimede	10/25/12	Julia
"	-011	"	10/22/12	Archimede	10/25/12	Julia
"	-012	"	10/22/12	Archimede	10/25/12	Julia
"	-013	"	10/22/12	Archimede	10/25/12	Julia
"	-014	"	10/22/12	Archimede	10/25/12	Julia
"	-015	"	10/22/12	Archimede	10/25/12	Julia
"	-016	"	10/22/12	Archimede	10/25/12	Julia
"	-017	"	10/22/12	Archimede	10/25/12	Julia
"	-018	"	10/22/12	Archimede	10/25/12	Julia
"	-019	"	10/22/12	Archimede	10/25/12	Julia
"	-020	"	10/22/12	Archimede	10/25/12	Julia
"	-021	"	10/22/12	Archimede	10/25/12	Julia
"	-022	"	10/22/12	Archimede	10/25/12	Julia
"	-023	"	10/22/12	Archimede	10/25/12	Julia
"	-024	"	10/22/12	Archimede	10/25/12	Julia
"	-025	"	10/22/12	Archimede	10/25/12	Julia
"	-026	"	10/22/12	Archimede	10/25/12	Julia
"	-027	"	10/22/12	Archimede	10/25/12	Julia
"	-028	"	10/22/12	Archimede	10/25/12	Julia
"	-029	"	10/22/12	Archimede	10/25/12	Julia
"	-030	"	10/22/12	Archimede	10/25/12	Julia
"	-031	"	10/22/12	Archimede	10/25/12	Julia
"	-032	"	10/22/12	Archimede	10/25/12	Julia
"	-033	"	10/22/12	Archimede	10/25/12	Julia
"	-034	"	10/22/12	Archimede	10/25/12	Julia
"	-035	"	10/22/12	Archimede	10/25/12	Julia
"	-036	"	10/22/12	Archimede	10/25/12	Julia
"	-037	"	10/22/12	Archimede	10/25/12	Julia
"	-038	"	10/22/12	Archimede	10/25/12	Julia
"	-039	"	10/22/12	Archimede	10/25/12	Julia
"	-040	"	10/22/12	Archimede	10/25/12	Julia
"	-041	"	10/22/12	Archimede	10/25/12	Julia
"	-042	"	10/22/12	Archimede	10/25/12	Julia
"	-043	"	10/22/12	Archimede	10/25/12	Julia
"	-044	"	10/22/12	Archimede	10/25/12	Julia
"	-045	"	10/22/12	Archimede	10/25/12	Julia
"	-046	"	10/22/12	Archimede	10/25/12	Julia

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Laboratory Custody Chronicle

IAL Case No.

E12-10574

Client JMC Environmental Consultants

Project ARSYNCO

Received On 10/18/2012@17:00

"	-047	"	10/22/12	Archimede	10/25/12	Julia
"	-048	"	10/22/12	Archimede	10/25/12	Julia
"	-049	"	10/23/12	Archimede	10/25/12	Julia
"	-050	Aqueous	10/25/12	Archimede	11/ 8/12	Julia

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E12-10574 0274