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: **E12-07685**

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.

E12-07685

Client JMC Environmental Consultants

Project ARSYNCO

Received On 7/31/2012@16:45

Lab ID	Client Sample ID	Depth Top/Bottom	Sampling Time	Matrix	# of Container
07685-001	R-10 (0-2.0)	0/2	7/31/2012@09:02	Soil	1
07685-002	R-10 (2.0-4.0)	2/4	7/31/2012@09:03	Soil	1
07685-003	R-10 (4.25-5.25)	4.25/5.25	7/31/2012@09:04	Soil	1
07685-004	R-10 (5.25-6.0)	5.25/6	7/31/2012@09:04	Soil	1
07685-005	S-10 (0-2.0)	0/2	7/31/2012@09:48	Soil	1
07685-006	S-10 (2.0-4.0)	2/4	7/31/2012@09:48	Soil	1
07685-007	S-10 (4.0-6.0)	4/6	7/31/2012@09:50	Soil	1
07685-008	S-10 (6.0-8.0)	6/8	7/31/2012@09:51	Soil	1
07685-009	T-10 (0-2.0)	0/2	7/31/2012@10:25	Soil	1
07685-010	T-10 (2.0-4.0)	2/4	7/31/2012@10:26	Soil	1
07685-011	T-10 (4.0-5.5)	4/5.5	7/31/2012@10:26	Soil	1
07685-012	T-10 (6.0-8.0)	6/8	7/31/2012@10:27	Soil	1
07685-013	T-9 (0-2.0)	0/2	7/31/2012@10:48	Soil	1
07685-014	T-9 (2.0-4.0)	2/4	7/31/2012@10:49	Soil	1
07685-015	T-9 (4.0-5.0)	4/5	7/31/2012@10:49	Soil	1
07685-016	T-9 (5.0-6.0)	5/6	7/31/2012@10:50	Soil	1
07685-017	S-9 (0-2.0)	0/2	7/31/2012@11:17	Soil	1
07685-018	S-9 (2.0-4.0)	2/4	7/31/2012@11:18	Soil	1
07685-019	S-9 (4.0-4.75)	4/4.75	7/31/2012@11:19	Soil	1
07685-020	S-9 (4.75-6.0)	4.75/6	7/31/2012@11:20	Soil	1
07685-021	R-9 (0-2.0)	0/2	7/31/2012@11:43	Soil	1
07685-022	R-9 (2.0-4.0)	2/4	7/31/2012@11:44	Soil	1
07685-023	R-9 (4.0-5.25)	4/5.25	7/31/2012@11:45	Soil	1
07685-024	R-9 (5.25-6.0)	5.25/6	7/31/2012@11:46	Soil	1
07685-025	R-9 (6.0-8.0)	6/8	7/31/2012@11:47	Soil	1
07685-026	Q-9 (0-2.0)	0/2	7/31/2012@12:17	Soil	1
07685-027	Q-9 (2.0-4.0)	2/4	7/31/2012@12:18	Soil	1
07685-028	Q-9 (4.0-5.0)	4/5	7/31/2012@12:19	Soil	1
07685-029	Q-9 (5.0-6.0)	5/6	7/31/2012@12:20	Soil	1
07685-030	Q-9 (6.0-8.0)	6/8	7/31/2012@12:20	Soil	1
07685-031	P-8 (0-2.0)	0/2	7/31/2012@13:33	Soil	1
07685-032	P-8 (2.0-4.0)	2/4	7/31/2012@13:34	Soil	1
07685-033	P-8 (4.0-5.0)	4/5	7/31/2012@13:34	Soil	1
07685-034	P-8 (5.0-6.0)	5/6	7/31/2012@13:35	Soil	1
07685-035	Q-8 (0-2.0)	0/2	7/31/2012@13:56	Soil	1
07685-036	Q-8 (2.0-4.0)	2/4	7/31/2012@13:56	Soil	1
07685-037	Q-8 (4.0-4.5)	4/4.5	7/31/2012@13:57	Soil	1
07685-038	Q-8 (4.5-6.0)	4.5/6	7/31/2012@13:58	Soil	1
07685-039	R-8 (0-2.0)	0/2	7/31/2012@14:15	Soil	1
07685-040	R-8 (2.0-4.0)	2/4	7/31/2012@14:17	Soil	1
07685-041	R-8 (4.0-5.0)	4/5	7/31/2012@14:17	Soil	1
07685-042	R-8 (5.0-6.0)	5/6	7/31/2012@14:18	Soil	1
07685-043	S-8 (0-2.0)	0/2	7/31/2012@14:55	Soil	1
07685-044	S-8 (2.0-3.25)	2/3.25	7/31/2012@14:56	Soil	1
07685-045	S-8 (3.25-4.0)	3.25/4	7/31/2012@14:57	Soil	1
07685-046	S-8 (4.0-6.0)	4/6	7/31/2012@14:59	Soil	1

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

Sample Summary

IAL Case No.

E12-07685

Client JMC Environmental Consultants

Project ARSYNCO

Received On 7/31/2012@16:45

Lab ID	Client Sample ID	Depth Top/Bottom	Sampling Time	Matrix	# of Container
07685-047	FB-24	n/a	7/31/2012@15:10	Aqueous	2

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INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

	Page
Qualifiers	1
Conformance / NonConformance Summaries	2
Results Summary Report	8
Analytical Results	14
PCBs	
Methodology Summary *	
PCBs	62
PCBs QC Summary	63
Surrogate Percent Recovery Summary	
LCS, MS/MSD Recovery Summary	
Method Blank Summary	
Initial Calibration Report	
Continuing Calibration Report	
Retention Time Shift Summary	
PCBs Sample Data	117
Sample Quant Report and Chromatogram	
Method Blank Results	
Method Blank Quant Report and Chromatogram	
Sample Tracking	252
Chains of Custody	
Project Information	
Sample Receipt Verification	
Laboratory Chronicle	
Last Page of the Report	264

This report was finalized on August 21, 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-six (46) soil sample(s) from JMC Environmental Consultants (IAL SDG # E12-07685, Project: ARSYNCO) on July 31, 2012 for the analysis of:

(47) 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

8/31/12
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC ANALYSIS - PCB'S

Lab Case Number: E12 - 07685

		No	Yes
1.	Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2.	Standards Summary submitted.		✓
3.	Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.		✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
5.	Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:		✓
6.	Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range:		✓
7.	Retention Time Shift Meet Criteria (if applicable).		✓
8.	Extraction Holding Time Met. If not met, list number of days exceeded for each sample:		✓
9.	Analysis Holding Time Met. If not met, list number of days exceeded for each sample:		✓

Comments:

Organic Manager

08-10-12
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC ANALYSIS - PCB'S

Lab Case Number: E12 - 07685

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. Standards Summary submitted.		✓
3. Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.		✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
5. Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:		✓
6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range:		✓
7. Retention Time Shift Meet Criteria (if applicable).		✓
8. Extraction Holding Time Met. If not met, list number of days exceeded for each sample:		✓
9. Analysis Holding Time Met. If not met, list number of days exceeded for each sample:		✓

Comments: please see next page

Organic Manager

08-20-12
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC ANALYSIS - PCB'S, PESTICIDES, HERBICIDES

Additional comments for GC analytical results

Client/ Project: JMC / ARSYNCO

IAL Case Number: E12 - 07685

GC Analysis: PCB'S [X]

PESTICIDES [ ]

HERBICIDES [ ]

(check box for correct analysis)

As per EPA Method SW-846 8000C Section 11.10.4, the following samples are being reported with compound results that are significantly higher (> 40%) difference between primary and secondary column quantitations:

07685 #021
#023
#024
#025
#026
#027
#033
#034

This exceedence is caused by sample matrix interference in the analytical run.

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC ANALYSIS - PCB'S

Lab Case Number: E12 - 07685

		No	Yes
1.	Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2.	Standards Summary submitted.		✓
3.	Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.		✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
5.	Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range: 07685#012 DCB2; 07685#010 DCB1	✓	
6.	Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range:		✓
7.	Retention Time Shift Meet Criteria (if applicable).		✓
8.	Extraction Holding Time Met. If not met, list number of days exceeded for each sample:		✓
9.	Analysis Holding Time Met. If not met, list number of days exceeded for each sample:		✓

Comments:

Organic Manager

08-21-12
Date

RESULTS SUMMARY REPORT

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E12-07685

Lab ID:	**07685-047**		
Client ID:	**FB-24**		
Matrix:	**Aqueous**		
Sampled Date	**7/31/12**		
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:	**07685-001**			**07685-002**			**07685-003**			**07685-004**	
Client ID:	**R-10 (0-2.0)**			**R-10 (2.0-4.0)**			**R-10 (4.25-5.25)**			**R-10 (5.25-6.0)**	
Depth:	**0/2**			**2/4**			**4.25/5.25**			**5.25/6**	
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**	
Sampled Date	**7/31/12**			**7/31/12**			**7/31/12**			**7/31/12**	
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		0.043	ND		0.020
Aroclor-1221	ND		0.018	ND		0.017	ND		0.043	ND		0.020
Aroclor-1232	ND		0.018	ND		0.017	ND		0.043	ND		0.020
Aroclor-1242	ND		0.018	ND		0.017	ND		0.043	ND		0.020
Aroclor-1248	0.619		0.018	ND		0.017	ND		0.043	ND		0.020
Aroclor-1254	ND		0.018	ND		0.017	ND		0.043	ND		0.020
Aroclor-1260	ND		0.018	ND		0.017	ND		0.043	ND		0.020
Aroclor-1262	ND		0.018	ND		0.017	ND		0.043	ND		0.020
Aroclor-1268	ND		0.018	ND		0.017	ND		0.043	ND		0.020
PCBs	0.619		0.018	ND		0.017	ND		0.043	ND		0.020

Lab ID:	**07685-005**			**07685-006**			**07685-007**			**07685-008**	
Client ID:	**S-10 (0-2.0)**			**S-10 (2.0-4.0)**			**S-10 (4.0-6.0)**			**S-10 (6.0-8.0)**	
Depth:	**0/2**			**2/4**			**4/6**			**6/8**	
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**	
Sampled Date	**7/31/12**			**7/31/12**			**7/31/12**			**7/31/12**	
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		0.016	ND		0.017	ND		0.019
Aroclor-1221	ND		0.016	ND		0.016	ND		0.017	ND		0.019
Aroclor-1232	ND		0.016	ND		0.016	ND		0.017	ND		0.019
Aroclor-1242	ND		0.016	ND		0.016	ND		0.017	ND		0.019
Aroclor-1248	6.83		0.016	4.33		0.016	ND		0.017	ND		0.019
Aroclor-1254	ND		0.016	ND		0.016	ND		0.017	ND		0.019
Aroclor-1260	ND		0.016	ND		0.016	ND		0.017	ND		0.019
Aroclor-1262	ND		0.016	ND		0.016	ND		0.017	ND		0.019
Aroclor-1268	ND		0.016	ND		0.016	ND		0.017	ND		0.019
PCBs	6.83		0.016	4.33		0.016	ND		0.017	ND		0.019

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E12-07685

Lab ID:	07685-009			07685-010			07685-011			07685-012		
Client ID:	T-10 (0-2.0)			T-10 (2.0-4.0)			T-10 (4.0-5.5)			T-10 (6.0-8.0)		
Depth:	0/2			2/4			4/5.5			6/8		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/31/12			7/31/12			7/31/12			7/31/12		
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		0.166	ND		0.181	ND		0.019	ND		0.020
Aroclor-1221	ND		0.166	ND		0.181	ND		0.019	ND		0.020
Aroclor-1232	ND		0.166	ND		0.181	ND		0.019	ND		0.020
Aroclor-1242	ND		0.166	ND		0.181	ND		0.019	ND		0.020
Aroclor-1248	10.3		0.166	35.2		0.181	2.46		0.019	ND		0.020
Aroclor-1254	ND		0.166	ND		0.181	ND		0.019	ND		0.020
Aroclor-1260	ND		0.166	ND		0.181	ND		0.019	ND		0.020
Aroclor-1262	ND		0.166	ND		0.181	ND		0.019	ND		0.020
Aroclor-1268	ND		0.166	ND		0.181	ND		0.019	ND		0.020
PCBs	10.3		0.166	35.2		0.181	2.46		0.019	ND		0.020

Lab ID:	07685-013			07685-014			07685-015			07685-016		
Client ID:	T-9 (0-2.0)			T-9 (2.0-4.0)			T-9 (4.0-5.0)			T-9 (5.0-6.0)		
Depth:	0/2			2/4			4/5			5/6		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/31/12			7/31/12			7/31/12			7/31/12		
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		0.016	ND		0.037	ND		0.018
Aroclor-1221	ND		0.017	ND		0.016	ND		0.037	ND		0.018
Aroclor-1232	ND		0.017	ND		0.016	ND		0.037	ND		0.018
Aroclor-1242	ND		0.017	ND		0.016	ND		0.037	ND		0.018
Aroclor-1248	3.52		0.017	ND		0.016	ND		0.037	ND		0.018
Aroclor-1254	ND		0.017	ND		0.016	ND		0.037	ND		0.018
Aroclor-1260	ND		0.017	ND		0.016	ND		0.037	ND		0.018
Aroclor-1262	ND		0.017	ND		0.016	ND		0.037	ND		0.018
Aroclor-1268	ND		0.017	ND		0.016	ND		0.037	ND		0.018
PCBs	3.52		0.017	ND		0.016	ND		0.037	ND		0.018

Lab ID:	07685-017			07685-018			07685-019			07685-020		
Client ID:	S-9 (0-2.0)			S-9 (2.0-4.0)			S-9 (4.0-4.75)			S-9 (4.75-6.0)		
Depth:	0/2			2/4			4/4.75			4.75/6		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/31/12			7/31/12			7/31/12			7/31/12		
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		0.020	ND		0.018	ND		0.038	ND		0.019
Aroclor-1221	ND		0.020	ND		0.018	ND		0.038	ND		0.019
Aroclor-1232	ND		0.020	ND		0.018	ND		0.038	ND		0.019
Aroclor-1242	ND		0.020	ND		0.018	ND		0.038	ND		0.019
Aroclor-1248	4.59		0.020	ND		0.018	ND		0.038	ND		0.019
Aroclor-1254	ND		0.020	ND		0.018	ND		0.038	ND		0.019
Aroclor-1260	ND		0.020	ND		0.018	ND		0.038	ND		0.019
Aroclor-1262	ND		0.020	ND		0.018	ND		0.038	ND		0.019
Aroclor-1268	ND		0.020	ND		0.018	ND		0.038	ND		0.019
PCBs	4.59		0.020	ND		0.018	ND		0.038	ND		0.019

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E12-07685

Lab ID:	07685-021			07685-022			07685-023			07685-024		
Client ID:	R-9 (0-2.0)			R-9 (2.0-4.0)			R-9 (4.0-5.25)			R-9 (5.25-6.0)		
Depth:	0/2			2/4			4/5.25			5.25/6		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/31/12			7/31/12			7/31/12			7/31/12		
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		0.017	ND		0.048
Aroclor-1221	ND		0.017	ND		0.018	ND		0.017	ND		0.048
Aroclor-1232	ND		0.017	ND		0.018	ND		0.017	ND		0.048
Aroclor-1242	ND		0.017	ND		0.018	ND		0.017	ND		0.048
Aroclor-1248	2.51		0.017	1.67		0.018	0.106		0.017	0.591		0.048
Aroclor-1254	ND		0.017	ND		0.018	ND		0.017	ND		0.048
Aroclor-1260	ND		0.017	ND		0.018	ND		0.017	ND		0.048
Aroclor-1262	ND		0.017	ND		0.018	ND		0.017	ND		0.048
Aroclor-1268	ND		0.017	ND		0.018	ND		0.017	ND		0.048
PCBs	2.51		0.017	1.67		0.018	0.106		0.017	0.591		0.048

Lab ID:	07685-025			07685-026			07685-027			07685-028		
Client ID:	R-9 (6.0-8.0)			Q-9 (0-2.0)			Q-9 (2.0-4.0)			Q-9 (4.0-5.0)		
Depth:	6/8			0/2			2/4			4/5		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/31/12			7/31/12			7/31/12			7/31/12		
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		0.020	ND		0.020	ND		0.018
Aroclor-1221	ND		0.017	ND		0.020	ND		0.020	ND		0.018
Aroclor-1232	ND		0.017	ND		0.020	ND		0.020	ND		0.018
Aroclor-1242	ND		0.017	ND		0.020	ND		0.020	ND		0.018
Aroclor-1248	0.090		0.017	3.82		0.020	7.80		0.020	ND		0.018
Aroclor-1254	ND		0.017	ND		0.020	ND		0.020	ND		0.018
Aroclor-1260	ND		0.017	ND		0.020	ND		0.020	ND		0.018
Aroclor-1262	ND		0.017	ND		0.020	ND		0.020	ND		0.018
Aroclor-1268	ND		0.017	ND		0.020	ND		0.020	ND		0.018
PCBs	0.090		0.017	3.82		0.020	7.80		0.020	ND		0.018

Lab ID:	07685-029			07685-030			07685-031			07685-032		
Client ID:	Q-9 (5.0-6.0)			Q-9 (6.0-8.0)			P-8 (0-2.0)			P-8 (2.0-4.0)		
Depth:	5/6			6/8			0/2			2/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/31/12			7/31/12			7/31/12			7/31/12		
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		0.020	ND		0.019	ND		0.019	ND		0.018
Aroclor-1221	ND		0.020	ND		0.019	ND		0.019	ND		0.018
Aroclor-1232	ND		0.020	ND		0.019	ND		0.019	ND		0.018
Aroclor-1242	ND		0.020	ND		0.019	ND		0.019	ND		0.018
Aroclor-1248	ND		0.020	ND		0.019	0.679		0.019	0.717		0.018
Aroclor-1254	ND		0.020	ND		0.019	ND		0.019	ND		0.018
Aroclor-1260	ND		0.020	ND		0.019	ND		0.019	ND		0.018
Aroclor-1262	ND		0.020	ND		0.019	ND		0.019	ND		0.018
Aroclor-1268	ND		0.020	ND		0.019	ND		0.019	ND		0.018
PCBs	ND		0.020	ND		0.019	0.679		0.019	0.717		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.: E12-07685

Lab ID:	07685-033			07685-034			07685-035			07685-036		
Client ID:	P-8 (4.0-5.0)			P-8 (5.0-6.0)			Q-8 (0-2.0)			Q-8 (2.0-4.0)		
Depth:	4/5			5/6			0/2			2/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/31/12			7/31/12			7/31/12			7/31/12		
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		0.017	ND		0.019	ND		0.021
Aroclor-1221	ND		0.019	ND		0.017	ND		0.019	ND		0.021
Aroclor-1232	ND		0.019	ND		0.017	ND		0.019	ND		0.021
Aroclor-1242	ND		0.019	ND		0.017	ND		0.019	ND		0.021
Aroclor-1248	0.149		0.019	0.055		0.017	1.54		0.019	1.13		0.021
Aroclor-1254	ND		0.019	ND		0.017	ND		0.019	ND		0.021
Aroclor-1260	ND		0.019	ND		0.017	ND		0.019	ND		0.021
Aroclor-1262	ND		0.019	ND		0.017	ND		0.019	ND		0.021
Aroclor-1268	ND		0.019	ND		0.017	ND		0.019	ND		0.021
PCBs	0.149		0.019	0.055		0.017	1.54		0.019	1.13		0.021

Lab ID:	07685-037			07685-038			07685-039			07685-040		
Client ID:	Q-8 (4.0-4.5)			Q-8 (4.5-6.0)			R-8 (0-2.0)			R-8 (2.0-4.0)		
Depth:	4/4.5			4.5/6			0/2			2/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/31/12			7/31/12			7/31/12			7/31/12		
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		0.028	ND		0.020	ND		0.201	ND		0.020
Aroclor-1221	ND		0.028	ND		0.020	ND		0.201	ND		0.020
Aroclor-1232	ND		0.028	ND		0.020	ND		0.201	ND		0.020
Aroclor-1242	ND		0.028	ND		0.020	ND		0.201	ND		0.020
Aroclor-1248	ND		0.028	ND		0.020	12.1		0.201	ND		0.020
Aroclor-1254	ND		0.028	ND		0.020	ND		0.201	ND		0.020
Aroclor-1260	ND		0.028	ND		0.020	ND		0.201	ND		0.020
Aroclor-1262	ND		0.028	ND		0.020	ND		0.201	ND		0.020
Aroclor-1268	ND		0.028	ND		0.020	ND		0.201	ND		0.020
PCBs	ND		0.028	ND		0.020	12.1		0.201	ND		0.020

Lab ID:	07685-041			07685-042			07685-043			07685-044		
Client ID:	R-8 (4.0-5.0)			R-8 (5.0-6.0)			S-8 (0-2.0)			S-8 (2.0-3.25)		
Depth:	4/5			5/6			0/2			2/3.25		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/31/12			7/31/12			7/31/12			7/31/12		
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		0.042	ND		0.020	ND		0.026	ND		0.018
Aroclor-1221	ND		0.042	ND		0.020	ND		0.026	ND		0.018
Aroclor-1232	ND		0.042	ND		0.020	ND		0.026	ND		0.018
Aroclor-1242	ND		0.042	ND		0.020	ND		0.026	ND		0.018
Aroclor-1248	ND		0.042	ND		0.020	ND		0.026	ND		0.018
Aroclor-1254	ND		0.042	ND		0.020	ND		0.026	ND		0.018
Aroclor-1260	ND		0.042	ND		0.020	1.59		0.026	ND		0.018
Aroclor-1262	ND		0.042	ND		0.020	ND		0.026	ND		0.018
Aroclor-1268	ND		0.042	ND		0.020	ND		0.026	ND		0.018
PCBs	ND		0.042	ND		0.020	1.59		0.026	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.: E12-07685

Lab ID:	**07685-045**			**07685-046**		
Client ID:	**S-8 (3.25-4.0)**			**S-8 (4.0-6.0)**		
Depth:	**3.25/4**			**4/6**		
Matrix:	**Soil**			**Soil**		
Sampled Date	**7/31/12**			**7/31/12**		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Aroclor-1016	ND		0.036	ND		0.021
Aroclor-1221	ND		0.036	ND		0.021
Aroclor-1232	ND		0.036	ND		0.021
Aroclor-1242	ND		0.036	ND		0.021
Aroclor-1248	ND		0.036	ND		0.021
Aroclor-1254	ND		0.036	ND		0.021
Aroclor-1260	ND		0.036	ND		0.021
Aroclor-1262	ND		0.036	ND		0.021
Aroclor-1268	ND		0.036	ND		0.021
PCBs	ND		0.036	ND		0.021

ND = Analyzed for but Not Detected at the MDL

ANALYTICAL RESULTS

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-001
Client ID: R-10_(0-2.
Date Received: 07/31/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2975.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.33g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.7

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	0.619		0.045	0.018
Aroclor-1254	ND		0.045	0.018
Aroclor-1260	ND		0.045	0.018
Aroclor-1262	ND		0.045	0.018
Aroclor-1268	ND		0.045	0.018
PCBs	0.619		0.045	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-002
Client ID: R-10_(2.0-
Date Received: 07/31/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2976.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.57g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.0

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-003
Client ID: R-10_(4.25
Date Received: 07/31/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2977.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 62.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.108	0.043
Aroclor-1221	ND		0.108	0.043
Aroclor-1232	ND		0.108	0.043
Aroclor-1242	ND		0.108	0.043
Aroclor-1248	ND		0.108	0.043
Aroclor-1254	ND		0.108	0.043
Aroclor-1260	ND		0.108	0.043
Aroclor-1262	ND		0.108	0.043
Aroclor-1268	ND		0.108	0.043
PCBs	ND		0.108	0.043

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-004
Client ID: R-10_(5.25
Date Received: 07/31/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2978.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.08g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 21.6

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-005
Client ID: S-10_(0-2.
Date Received: 07/31/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2979.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.37g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 9.20

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	6.83		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	6.83		0.041	0.016

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-006
Client ID: S-10_(2.0-
Date Received: 07/31/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2980.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.71g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 14.9

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	4.33		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	4.33		0.041	0.016

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-007
Client ID: S-10_(4.0-
Date Received: 07/31/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2981.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.61g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.7

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: 07685-008
Client ID: S-10_(6.0-
Date Received: 07/31/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2982.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.57g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 24.3

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-009
Client ID: T-10_(0-2.
Date Received: 07/31/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2983.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.71g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 15.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.416	0.166
Aroclor-1221	ND		0.416	0.166
Aroclor-1232	ND		0.416	0.166
Aroclor-1242	ND		0.416	0.166
Aroclor-1248	10.3		0.416	0.166
Aroclor-1254	ND		0.416	0.166
Aroclor-1260	ND		0.416	0.166
Aroclor-1262	ND		0.416	0.166
Aroclor-1268	ND		0.416	0.166
PCBs	10.3		0.416	0.166

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-010
Client ID: T-10_(2.0-
Date Received: 07/31/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R3003.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.83g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 24.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.451	0.181
Aroclor-1221	ND		0.451	0.181
Aroclor-1232	ND		0.451	0.181
Aroclor-1242	ND		0.451	0.181
Aroclor-1248	35.2		0.451	0.181
Aroclor-1254	ND		0.451	0.181
Aroclor-1260	ND		0.451	0.181
Aroclor-1262	ND		0.451	0.181
Aroclor-1268	ND		0.451	0.181
PCBs	35.2		0.451	0.181

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-011
Client ID: T-10_(4.0-
Date Received: 07/31/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R3004.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.66g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 25.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.047	0.019
Aroclor-1221	ND		0.047	0.019
Aroclor-1232	ND		0.047	0.019
Aroclor-1242	ND		0.047	0.019
Aroclor-1248	2.46		0.047	0.019
Aroclor-1254	ND		0.047	0.019
Aroclor-1260	ND		0.047	0.019
Aroclor-1262	ND		0.047	0.019
Aroclor-1268	ND		0.047	0.019
PCBs	2.46		0.047	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-012
Client ID: T-10_(6.0-
Date Received: 07/31/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2986.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.15g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.7

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: 07685-013
Client ID: T-9_(0-2.0
Date Received: 07/31/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2987.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.43g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 11.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.042	0.017
Aroclor-1221	ND		0.042	0.017
Aroclor-1232	ND		0.042	0.017
Aroclor-1242	ND		0.042	0.017
Aroclor-1248	3.52		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	3.52		0.042	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-014
Client ID: T-9_(2.0-4
Date Received: 07/31/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R3005.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.83g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 14.9

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: 07685-015
Client ID: T-9_(4.0-5
Date Received: 07/31/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2989.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.28g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 58.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.092	0.037
Aroclor-1221	ND		0.092	0.037
Aroclor-1232	ND		0.092	0.037
Aroclor-1242	ND		0.092	0.037
Aroclor-1248	ND		0.092	0.037
Aroclor-1254	ND		0.092	0.037
Aroclor-1260	ND		0.092	0.037
Aroclor-1262	ND		0.092	0.037
Aroclor-1268	ND		0.092	0.037
PCBs	ND		0.092	0.037

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-016
Client ID: T-9_(5.0-6
Date Received: 07/31/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2990.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.69g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.7

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: 07685-017
Client ID: S-9_(0-2.0
Date Received: 07/31/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R3006.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.15g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 23.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.051	0.020
Aroclor-1221	ND		0.051	0.020
Aroclor-1232	ND		0.051	0.020
Aroclor-1242	ND		0.051	0.020
Aroclor-1248	4.59		0.051	0.020
Aroclor-1254	ND		0.051	0.020
Aroclor-1260	ND		0.051	0.020
Aroclor-1262	ND		0.051	0.020
Aroclor-1268	ND		0.051	0.020
PCBs	4.59		0.051	0.020

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-018
Client ID: S-9_(2.0-4
Date Received: 07/31/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R3007.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.54g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.5

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: 07685-019
Client ID: S-9_(4.0-4
Date Received: 07/31/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2993.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.80g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 63.6

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-020
Client ID: S-9_(4.75-
Date Received: 07/31/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2994.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.42g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.9

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-021
Client ID: R-9_(0-2.0
Date Received: 07/31/2012
Date Extracted: 08/07/2012
Date Analyzed: 08/15/2012
Data file: Y8476.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.35g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 10.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.042	0.017
Aroclor-1221	ND		0.042	0.017
Aroclor-1232	ND		0.042	0.017
Aroclor-1242	ND		0.042	0.017
Aroclor-1248	2.51		0.042	0.017
Aroclor-1254	ND		0.042	0.017
Aroclor-1260	ND		0.042	0.017
Aroclor-1262	ND		0.042	0.017
Aroclor-1268	ND		0.042	0.017
PCBs	2.51		0.042	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-022
Client ID: R-9_(2.0-4
Date Received: 07/31/2012
Date Extracted: 08/07/2012
Date Analyzed: 08/15/2012
Data file: Y8477.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.80g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 21.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.044	0.018
Aroclor-1221	ND		0.044	0.018
Aroclor-1232	ND		0.044	0.018
Aroclor-1242	ND		0.044	0.018
Aroclor-1248	1.67		0.044	0.018
Aroclor-1254	ND		0.044	0.018
Aroclor-1260	ND		0.044	0.018
Aroclor-1262	ND		0.044	0.018
Aroclor-1268	ND		0.044	0.018
PCBs	1.67		0.044	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-023
Client ID: R-9_(4.0-5
Date Received: 07/31/2012
Date Extracted: 08/07/2012
Date Analyzed: 08/15/2012
Data file: Y8478.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.68g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.042	0.017
Aroclor-1221	ND		0.042	0.017
Aroclor-1232	ND		0.042	0.017
Aroclor-1242	ND		0.042	0.017
Aroclor-1248	0.106		0.042	0.017
Aroclor-1254	ND		0.042	0.017
Aroclor-1260	ND		0.042	0.017
Aroclor-1262	ND		0.042	0.017
Aroclor-1268	ND		0.042	0.017
PCBs	0.106		0.042	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-024
Client ID: R-9_(5.25-
Date Received: 07/31/2012
Date Extracted: 08/07/2012
Date Analyzed: 08/15/2012
Data file: Y8479.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.12g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 67.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.119	0.048
Aroclor-1221	ND		0.119	0.048
Aroclor-1232	ND		0.119	0.048
Aroclor-1242	ND		0.119	0.048
Aroclor-1248	0.591		0.119	0.048
Aroclor-1254	ND		0.119	0.048
Aroclor-1260	ND		0.119	0.048
Aroclor-1262	ND		0.119	0.048
Aroclor-1268	ND		0.119	0.048
PCBs	0.591		0.119	0.048

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-025
Client ID: R-9_(6.0-8
Date Received: 07/31/2012
Date Extracted: 08/07/2012
Date Analyzed: 08/15/2012
Data file: Y8480.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.79g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 18.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.042	0.017
Aroclor-1221	ND		0.042	0.017
Aroclor-1232	ND		0.042	0.017
Aroclor-1242	ND		0.042	0.017
Aroclor-1248	0.090		0.042	0.017
Aroclor-1254	ND		0.042	0.017
Aroclor-1260	ND		0.042	0.017
Aroclor-1262	ND		0.042	0.017
Aroclor-1268	ND		0.042	0.017
PCBs	0.090		0.042	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-026
Client ID: Q-9_(0-2.0
Date Received: 07/31/2012
Date Extracted: 08/07/2012
Date Analyzed: 08/15/2012
Data file: Y8481.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.21g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 23.9

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	3.82		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	3.82		0.050	0.020

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-027
Client ID: Q-9_(2.0-4
Date Received: 07/31/2012
Date Extracted: 08/07/2012
Date Analyzed: 08/15/2012
Data file: Y8482.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.51g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 27.2

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	7.80		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	7.80		0.050	0.020

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-028
Client ID: Q-9_(4.0-5
Date Received: 07/31/2012
Date Extracted: 08/07/2012
Date Analyzed: 08/15/2012
Data file: Y8483.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.78g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 22.4

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-029
Client ID: Q-9_(5.0-6
Date Received: 07/31/2012
Date Extracted: 08/07/2012
Date Analyzed: 08/15/2012
Data file: Y8484.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.13g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 22.7

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-030
Client ID: Q-9_(6.0-8
Date Received: 07/31/2012
Date Extracted: 08/07/2012
Date Analyzed: 08/15/2012
Data file: Y8485.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.22g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.5

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: 07685-031
Client ID: P-8_(0-2.0
Date Received: 07/31/2012
Date Extracted: 08/07/2012
Date Analyzed: 08/15/2012
Data file: Y8486.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.68g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 27.3

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	0.679		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	0.679		0.048	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-032
Client ID: P-8_(2.0-4
Date Received: 07/31/2012
Date Extracted: 08/07/2012
Date Analyzed: 08/15/2012
Data file: Y8487.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.33g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 18.6

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	0.717		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	0.717		0.046	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-033
Client ID: P-8_(4.0-5
Date Received: 07/31/2012
Date Extracted: 08/07/2012
Date Analyzed: 08/15/2012
Data file: Y8488.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.25g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.9

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	0.149		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	0.149		0.048	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-034
Client ID: P-8_(5.0-6
Date Received: 07/31/2012
Date Extracted: 08/07/2012
Date Analyzed: 08/15/2012
Data file: Y8489.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.74g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.041	0.017
Aroclor-1221	ND		0.041	0.017
Aroclor-1232	ND		0.041	0.017
Aroclor-1242	ND		0.041	0.017
Aroclor-1248	0.055		0.041	0.017
Aroclor-1254	ND		0.041	0.017
Aroclor-1260	ND		0.041	0.017
Aroclor-1262	ND		0.041	0.017
Aroclor-1268	ND		0.041	0.017
PCBs	0.055		0.041	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-035
Client ID: Q-8_(0-2.0
Date Received: 07/31/2012
Date Extracted: 08/08/2012
Date Analyzed: 08/15/2012
Data file: R3011.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.1

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	1.54		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	1.54		0.047	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-036
Client ID: Q-8_(2.0-4
Date Received: 07/31/2012
Date Extracted: 08/08/2012
Date Analyzed: 08/15/2012
Data file: R3012.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 24.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.053	0.021
Aroclor-1221	ND		0.053	0.021
Aroclor-1232	ND		0.053	0.021
Aroclor-1242	ND		0.053	0.021
Aroclor-1248	1.13		0.053	0.021
Aroclor-1254	ND		0.053	0.021
Aroclor-1260	ND		0.053	0.021
Aroclor-1262	ND		0.053	0.021
Aroclor-1268	ND		0.053	0.021
PCBs	1.13		0.053	0.021

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-037
Client ID: Q-8_(4.0-4
Date Received: 07/31/2012
Date Extracted: 08/08/2012
Date Analyzed: 08/21/2012
Data file: R3348.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 43.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.070	0.028
Aroclor-1221	ND		0.070	0.028
Aroclor-1232	ND		0.070	0.028
Aroclor-1242	ND		0.070	0.028
Aroclor-1248	ND		0.070	0.028
Aroclor-1254	ND		0.070	0.028
Aroclor-1260	ND		0.070	0.028
Aroclor-1262	ND		0.070	0.028
Aroclor-1268	ND		0.070	0.028
PCBs	ND		0.070	0.028

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-038
Client ID: Q-8_(4.5-6
Date Received: 07/31/2012
Date Extracted: 08/08/2012
Date Analyzed: 08/15/2012
Data file: R3014.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.5

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-039
Client ID: R-8_(0-2.0
Date Received: 07/31/2012
Date Extracted: 08/08/2012
Date Analyzed: 08/16/2012
Data file: R3015.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 20.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.503	0.201
Aroclor-1221	ND		0.503	0.201
Aroclor-1232	ND		0.503	0.201
Aroclor-1242	ND		0.503	0.201
Aroclor-1248	12.1		0.503	0.201
Aroclor-1254	ND		0.503	0.201
Aroclor-1260	ND		0.503	0.201
Aroclor-1262	ND		0.503	0.201
Aroclor-1268	ND		0.503	0.201
PCBs	12.1		0.503	0.201

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-040
Client ID: R-8_(2.0-4
Date Received: 07/31/2012
Date Extracted: 08/08/2012
Date Analyzed: 08/16/2012
Data file: R3016.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 21.2

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-041
Client ID: R-8_(4.0-5
Date Received: 07/31/2012
Date Extracted: 08/08/2012
Date Analyzed: 08/16/2012
Data file: R3017.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 61.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.104	0.042
Aroclor-1221	ND		0.104	0.042
Aroclor-1232	ND		0.104	0.042
Aroclor-1242	ND		0.104	0.042
Aroclor-1248	ND		0.104	0.042
Aroclor-1254	ND		0.104	0.042
Aroclor-1260	ND		0.104	0.042
Aroclor-1262	ND		0.104	0.042
Aroclor-1268	ND		0.104	0.042
PCBs	ND		0.104	0.042

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-042
Client ID: R-8_(5.0-6
Date Received: 07/31/2012
Date Extracted: 08/08/2012
Date Analyzed: 08/16/2012
Data file: R3018.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.8

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-043
Client ID: S-8_(0-2.0
Date Received: 07/31/2012
Date Extracted: 08/08/2012
Date Analyzed: 08/17/2012
Data file: R3149.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 37.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.064	0.026
Aroclor-1221	ND		0.064	0.026
Aroclor-1232	ND		0.064	0.026
Aroclor-1242	ND		0.064	0.026
Aroclor-1248	ND		0.064	0.026
Aroclor-1254	ND		0.064	0.026
Aroclor-1260	1.59		0.064	0.026
Aroclor-1262	ND		0.064	0.026
Aroclor-1268	ND		0.064	0.026
PCBs	1.59		0.064	0.026

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-044
Client ID: S-8_(2.0-3
Date Received: 07/31/2012
Date Extracted: 08/08/2012
Date Analyzed: 08/16/2012
Data file: R3020.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 12.1

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: 07685-045
Client ID: S-8_(3.25-
Date Received: 07/31/2012
Date Extracted: 08/08/2012
Date Analyzed: 08/16/2012
Data file: R3021.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 55.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.090	0.036
Aroclor-1221	ND		0.090	0.036
Aroclor-1232	ND		0.090	0.036
Aroclor-1242	ND		0.090	0.036
Aroclor-1248	ND		0.090	0.036
Aroclor-1254	ND		0.090	0.036
Aroclor-1260	ND		0.090	0.036
Aroclor-1262	ND		0.090	0.036
Aroclor-1268	ND		0.090	0.036
PCBs	ND		0.090	0.036

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-046
Client ID: S-8_(4.0-6
Date Received: 07/31/2012
Date Extracted: 08/08/2012
Date Analyzed: 08/16/2012
Data file: R3022.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 22.9

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07685-047
Client ID: FB-24
Date Received: 07/31/2012
Date Extracted: 08/06/2012
Date Analyzed: 08/08/2012
Data file: R2593.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: 07/31/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKA120726-07	AQUEOUS	123		75		116		83	
TWP-1	07327-001	AQUEOUS	51		40		48		42	
EFFLUENT	07216-001	AQUEOUS	87		75		82		87	
ORD-V12-18	07349-001	AQUEOUS	96		81		87		90	
PLA-V12-19	07438-001	AQUEOUS	46		74		62		81	
EO-V12-189	07439-001	AQUEOUS	36		52		49		61	
SUM-V12-19	07440-001	AQUEOUS	74		74		83		76	
FB-18	07371-060	AQUEOUS	99		59		95		69	
FB-19	07431-066	AQUEOUS	102		66		98		71	
PCB	07216-001MS	AQUEOUS	92		82		88		86	
PCB	07216-001MSD	AQUEOUS	86		83		84		89	
PCB	LCSA120726-07	AQUEOUS	107		70		101		75	

Surrogate QC Limits	Soil	Aqueous
TCMX = Tetrachloro-m-xylene	21-163	11-163
DCB = Decachlorobiphenyl	30-172	13-170

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: 08/08/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKA120806-13	AQUEOUS	116		64		95		54	
FB-23	07662-043	AQUEOUS	87		49		72		44	
FB-24	07685-047	AQUEOUS	88		52		78		45	
EO-V12-193	07704-001	AQUEOUS	59		56		56		49	
PCB	LCSA120806-13	AQUEOUS	136		68		113		61	

Surrogate QC Limits	Soil	Aqueous
TCMX = Tetrachloro-m-xylene	21-163	11-163
DCB = Decachlorobiphenyl	30-172	13-170

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: 08/15/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS120802-16	SOIL	124		77		119		68	
R-10_(0-2.	07685-001	SOIL	93		68		101		87	
R-10_(2.0-	07685-002	SOIL	77		56		104		49	
R-10_(4.25	07685-003	SOIL	96		76		122		72	
R-10_(5.25	07685-004	SOIL	102		62		104		59	
S-10_(0-2.	07685-005	SOIL	66		60		80		152	
S-10_(2.0-	07685-006	SOIL	59		65		72		151	
S-10_(4.0-	07685-007	SOIL	65		71		91		64	
S-10_(6.0-	07685-008	SOIL	62		77		101		70	
T-10_(0-2.	07685-009	SOIL	125		91		119		140	
T-10_(6.0-	07685-012	SOIL	94		119		99		504	M
T-9_(0-2.0	07685-013	SOIL	85		146		85		121	
T-9_(4.0-5	07685-015	SOIL	115		93		119		75	
T-9_(5.0-6	07685-016	SOIL	116		110		104		123	
S-9_(4.0-4	07685-019	SOIL	75		105		109		75	
S-9_(4.75-	07685-020	SOIL	106		73		101		60	
PCB	07685-020MS	SOIL	103		79		100		56	
PCB	07685-020MSD	SOIL	108		78		105		60	
T-10_(2.0-	07685-010	SOIL	119		183	M	125		150	
T-10_(4.0-	07685-011	SOIL	77		109		109		111	
T-9_(2.0-4	07685-014	SOIL	94		95		103		119	
S-9_(0-2.0	07685-017	SOIL	66		99		85		60	
S-9_(2.0-4	07685-018	SOIL	113		127		76		95	
PCB	LCSS120802-16	SOIL	115		39		115		40	

Surrogate QC Limits	Soil	Aqueous
TCMX = Tetrachloro-m-xylene	21-163	11-163
DCB = Decachlorobiphenyl	30-172	13-170

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: 08/15/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS120807-05	SOIL	106		102		98		117	
TW4-S1	06750-001	SOIL	105		99		98		101	
Q-10_(0-2.	07662-039	SOIL	89		91		94		85	
Q-10_(2.0-	07662-040	SOIL	99		96		90		95	
Q-10_(4.0-	07662-041	SOIL	102		101		92		102	
Q-10_(4.75	07662-042	SOIL	106		98		93		95	
R-9_(0-2.0	07685-021	SOIL	67		114		86		90	
R-9_(2.0-4	07685-022	SOIL	48		93		91		98	
R-9_(4.0-5	07685-023	SOIL	68		114		88		96	
R-9_(5.25-	07685-024	SOIL	113		119		111		119	
R-9_(6.0-8	07685-025	SOIL	94		99		90		100	
Q-9_(0-2.0	07685-026	SOIL	68		113		81		93	
Q-9_(2.0-4	07685-027	SOIL	54		106		88		78	
Q-9_(4.0-5	07685-028	SOIL	97		109		89		98	
Q-9_(5.0-6	07685-029	SOIL	96		98		87		96	
Q-9_(6.0-8	07685-030	SOIL	97		95		88		100	
P-8_(0-2.0	07685-031	SOIL	100		118		93		91	
P-8_(2.0-4	07685-032	SOIL	84		114		88		90	
P-8_(4.0-5	07685-033	SOIL	94		114		92		91	
P-8_(5.0-6	07685-034	SOIL	94		94		84		96	
PCB	07685-034MS	SOIL	93		97		85		95	
PCB	07685-034MSD	SOIL	93		84		83		82	
PCB	LCSS120807-05	SOIL	106		98		91		91	
Q-12_(4.0-	07662-038	SOIL	103		107		74		80	

Surrogate QC Limits	Soil	Aqueous
TCMX = Tetrachloro-m-xylene	21-163	11-163
DCB = Decachlorobiphenyl	30-172	13-170

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: 08/15/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS120808-07	SOIL	138		95		119		67	
Q-8_(0-2.0	07685-035	SOIL	76		133		91		67	
Q-8_(2.0-4	07685-036	SOIL	71		97		86		76	
Q-8_(4.5-6	07685-038	SOIL	110		97		115		69	
R-8_(0-2.0	07685-039	SOIL	134		170		132		79	
R-8_(2.0-4	07685-040	SOIL	65		119		88		81	
R-8_(4.0-5	07685-041	SOIL	120		109		116		81	
R-8_(5.0-6	07685-042	SOIL	127		95		115		73	
S-8_(2.0-3	07685-044	SOIL	118		94		119		67	
S-8_(3.25-	07685-045	SOIL	130		105		123		77	
S-8_(4.0-6	07685-046	SOIL	126		89		120		69	
T-7_(0-2.0	07954-032	SOIL	119		83		113		71	
T-7_(2.0-4	07954-033	SOIL	126		87		118		68	
T-7_(4.0-4	07954-034	SOIL	69		93		110		79	
T-7_(4.25-	07954-035	SOIL	129		90		118		72	
S-7_(0-2.0	07954-036	SOIL	129		170		129		138	
S-7_(2.0-4	07954-037	SOIL	73		96		95		78	
S-7_(4.25-	07954-038	SOIL	80		100		121		73	
S-7_(5.0-6	07954-039	SOIL	120		80		121		79	
PCB	07685-035MS	SOIL	72		99		90		64	
PCB	07685-035MSD	SOIL	70		98		84		68	
PCB	LCSS120808-07	SOIL	121		67		110		64	
S-8_(0-2.0	07685-043	SOIL	63		68		96		59	
Q-8_(4.0-4	07685-037	SOIL	98		59		108		50	

Surrogate QC Limits	Soil	Aqueous
TCMX = Tetrachloro-m-xylene	21-163	11-163
DCB = Decachlorobiphenyl	30-172	13-170

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

AQUEOUS PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: LCSA120806-13

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	545.7	109	70 - 130
Aroclor-1260	500.0	0.0	427.6	86	70 - 130

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: LCSS120802-16

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	523.7	105	40 - 140
Aroclor-1260	500.0	0.0	408.6	82	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: LCSS120807-05

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	395.5	79	40 - 140
Aroclor-1260	500.0	0.0	430.5	86	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: LCSS120808-07

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	454.7	91	40 - 140
Aroclor-1260	500.0	0.0	552.8	111	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 MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 07216-001MSD

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	399.0	80	40 - 140
Aroclor-1260	500.0	0.0	453.6	91	40 - 140

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	#	MSD % REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	412.8		83	4	50	40 - 140
Aroclor-1260	0.0	474.6		95	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: 07685-020

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	481.0	96	40 - 140
Aroclor-1260	500.0	0.0	448.2	90	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	#	MSD % REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	521.1		104	8	50	40 - 140
Aroclor-1260	0.0	477.9		96	6	50	40 - 140

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

RPD: __0___ out of __2__ outside limits

Spike Recovery: __0___ out of __4__ outside limits

SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 07685-034

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	489.8	98	40 - 140
Aroclor-1260	500.0	0.0	407.1	81	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	#	MSD % REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	473.9		95	3	50	40 - 140
Aroclor-1260	0.0	388.7		78	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: 07685-035

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	578.2	116	40 - 140
Aroclor-1260	500.0	0.0	596.1	119	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	595.6	119	3	50	40 - 140
Aroclor-1260	0.0	596.3	119	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

PCB METHOD BLANK SUMMARY

Lab File ID: Y7718.D

Instrument ID: GC-Y

Date Extracted: 07/26/2012

Matrix: AQUEOUS

Date Analyzed: 07/31/2012

Time Analyzed: 20:06

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
TWP-1	07327-001	07/31/2012	20:23
EFFLUENT	07216-001	07/31/2012	20:40
ORD-V12-18	07349-001	07/31/2012	20:58
PLA-V12-19	07438-001	07/31/2012	21:15
EO-V12-189	07439-001	07/31/2012	21:32
SUM-V12-19	07440-001	07/31/2012	21:49
FB-18	07371-060	07/31/2012	22:06
FB-19	07431-066	07/31/2012	22:23
PCB	07216-001MS	07/31/2012	22:41
PCB	07216-001MSD	07/31/2012	22:58
PCB	LCSA120726-07	07/31/2012	23:15

PCB METHOD BLANK SUMMARY

Lab File ID:	R2591.D	Instrument ID:	GC-R
Date Extracted:	08/06/2012	Matrix:	AQUEOUS
Date Analyzed:	08/08/2012	Time Analyzed:	20:05

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FB-23	07662-043	08/08/2012	20:22
FB-24	07685-047	08/08/2012	20:40
EO-V12-193	07704-001	08/08/2012	20:57
PCB	LCSA120806-13	08/08/2012	21:15

PCB METHOD BLANK SUMMARY

Lab File ID: R2974.D | Instrument ID: GC-R

Date Extracted: 08/02/2012 | Matrix: SOIL

Date Analyzed: 08/15/2012 | Time Analyzed: 10:27

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
R-10_(0-2.	07685-001	08/15/2012	10:45
R-10_(2.0-	07685-002	08/15/2012	11:02
R-10_(4.25	07685-003	08/15/2012	11:20
R-10_(5.25	07685-004	08/15/2012	11:37
S-10_(0-2.	07685-005	08/15/2012	11:55
S-10_(2.0-	07685-006	08/15/2012	12:12
S-10_(4.0-	07685-007	08/15/2012	12:30
S-10_(6.0-	07685-008	08/15/2012	12:47
T-10_(0-2.	07685-009	08/15/2012	13:04
T-10_(6.0-	07685-012	08/15/2012	13:57
T-9_(0-2.0	07685-013	08/15/2012	14:14
T-9_(4.0-5	07685-015	08/15/2012	14:49
T-9_(5.0-6	07685-016	08/15/2012	15:07
S-9_(4.0-4	07685-019	08/15/2012	15:59
S-9_(4.75-	07685-020	08/15/2012	16:17
PCB	07685-020MS	08/15/2012	16:34
PCB	07685-020MSD	08/15/2012	16:52
T-10_(2.0-	07685-010	08/15/2012	20:23
T-10_(4.0-	07685-011	08/15/2012	20:41
T-9_(2.0-4	07685-014	08/15/2012	20:58
S-9_(0-2.0	07685-017	08/15/2012	21:16
S-9_(2.0-4	07685-018	08/15/2012	21:33
PCB	LCSS120802-16	08/21/2012	10:11

PCB METHOD BLANK SUMMARY

Lab File ID: Y8469.D

Instrument ID: GC-Y

Date Extracted: 08/07/2012

Matrix: SOIL

Date Analyzed: 08/15/2012

Time Analyzed: 03:55

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
TW4-S1	06750-001	08/15/2012	04:12
Q-10_(0-2.	07662-039	08/15/2012	04:47
Q-10_(2.0-	07662-040	08/15/2012	05:04
Q-10_(4.0-	07662-041	08/15/2012	05:21
Q-10_(4.75	07662-042	08/15/2012	05:38
R-9_(0-2.0	07685-021	08/15/2012	05:55
R-9_(2.0-4	07685-022	08/15/2012	06:13
R-9_(4.0-5	07685-023	08/15/2012	06:30
R-9_(5.25-	07685-024	08/15/2012	06:47
R-9_(6.0-8	07685-025	08/15/2012	07:04
Q-9_(0-2.0	07685-026	08/15/2012	07:21
Q-9_(2.0-4	07685-027	08/15/2012	07:39
Q-9_(4.0-5	07685-028	08/15/2012	07:56
Q-9_(5.0-6	07685-029	08/15/2012	08:13
Q-9_(6.0-8	07685-030	08/15/2012	08:30
P-8_(0-2.0	07685-031	08/15/2012	08:47
P-8_(2.0-4	07685-032	08/15/2012	09:05
P-8_(4.0-5	07685-033	08/15/2012	09:22
P-8_(5.0-6	07685-034	08/15/2012	09:39
PCB	07685-034MS	08/15/2012	09:56
PCB	07685-034MSD	08/15/2012	10:13
PCB	LCSS120807-05	08/15/2012	10:30
Q-12_(4.0-	07662-038	08/15/2012	18:26

PCB METHOD BLANK SUMMARY

Lab File ID: R3010.D

Instrument ID: GC-R

Date Extracted: 08/08/2012

Matrix: SOIL

Date Analyzed: 08/15/2012

Time Analyzed: 22:43

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
Q-8_(0-2.0	07685-035	08/15/2012	23:00
Q-8_(2.0-4	07685-036	08/15/2012	23:18
Q-8_(4.5-6	07685-038	08/15/2012	23:52
R-8_(0-2.0	07685-039	08/16/2012	00:10
R-8_(2.0-4	07685-040	08/16/2012	00:27
R-8_(4.0-5	07685-041	08/16/2012	00:45
R-8_(5.0-6	07685-042	08/16/2012	01:02
S-8_(2.0-3	07685-044	08/16/2012	01:37
S-8_(3.25-	07685-045	08/16/2012	01:54
S-8_(4.0-6	07685-046	08/16/2012	02:11
T-7_(0-2.0	07954-032	08/16/2012	02:29
T-7_(2.0-4	07954-033	08/16/2012	02:46
T-7_(4.0-4	07954-034	08/16/2012	03:04
T-7_(4.25-	07954-035	08/16/2012	03:21
S-7_(0-2.0	07954-036	08/16/2012	03:39
S-7_(2.0-4	07954-037	08/16/2012	03:56
S-7_(4.25-	07954-038	08/16/2012	04:13
S-7_(5.0-6	07954-039	08/16/2012	04:31
PCB	07685-035MS	08/16/2012	04:48
PCB	07685-035MSD	08/16/2012	05:06
PCB	LCSS120808-07	08/16/2012	05:23
S-8_(0-2.0	07685-043	08/17/2012	20:29
Q-8_(4.0-4	07685-037	08/21/2012	12:01

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 07/27/2012

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

Data File: Y7474.D Y7473.D Y7472.D Y7471.D Y7470.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}	5.16	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}			3.28				3.21	3.35
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}			4.77				4.70	4.84
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}			6.06				5.99	6.13
Aroclor-1242 {5}			6.33				6.26	6.40
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}			6.06				5.98	6.14
Aroclor-1248 {5}			6.33				6.25	6.41
Aroclor-1254			6.46				6.38	6.54
Aroclor-1254 {2}			6.89				6.81	6.97
Aroclor-1254 {3}			7.05				6.96	7.14
Aroclor-1254 {4}			7.49				7.40	7.58
Aroclor-1254 {5}			8.33				8.24	8.42
Aroclor-1260	8.33	8.33	8.33	8.33	8.33	8.33	7.43	9.23
Aroclor-1260 {2}	9.01	9.00	9.00	9.01	9.00	9.01	8.11	9.91
Aroclor-1260 {3}	9.48	9.48	9.48	9.48	9.48	9.48	8.58	10.38
Aroclor-1260 {4}	9.96	9.96	9.96	9.96	9.96	9.96	9.06	10.86
Aroclor-1260 {5}	11.02	11.02	11.02	11.02	11.02	11.02	10.12	11.92

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 07/27/2012

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y7474.D Y7473.D Y7472.D Y7471.D Y7470.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	1499497	1643572	1620204	1731844	1719392	1642902	5.68
Aroclor-1016 {2}	2187265	2186431	2233810	2382611	2382046	2274432	4.41
Aroclor-1016 {3}	2912686	2970331	3031654	3289357	3297690	3100344	5.85
Aroclor-1016 {4}	1473842	1463685	1463123	1543728	1536374	1496150	2.70
Aroclor-1016 {5}	2335219	2359157	2429888	2639510	2665231	2485801	6.29
Aroclor-1221			857779				
Aroclor-1221 {2}			1274912				
Aroclor-1221 {3}			830802				
Aroclor-1221 {4}			3079812				
Aroclor-1221 {5}			690280				
Aroclor-1232			1822159				
Aroclor-1232 {2}			1003890				
Aroclor-1232 {3}			928746				
Aroclor-1232 {4}			974151				
Aroclor-1232 {5}			1306873				
Aroclor-1242			2214957				
Aroclor-1242 {2}			1390717				
Aroclor-1242 {3}			1992389				
Aroclor-1242 {4}			3277799				
Aroclor-1242 {5}			2814572				
Aroclor-1248			4408931				
Aroclor-1248 {2}			2423768				
Aroclor-1248 {3}			3068505				
Aroclor-1248 {4}			5573129				
Aroclor-1248 {5}			4165551				
Aroclor-1254			5890792				
Aroclor-1254 {2}			3879129				
Aroclor-1254 {3}			7412088				
Aroclor-1254 {4}			7690374				
Aroclor-1254 {5}			6900019				
Aroclor-1260	6754156	6816455	7228305	7784304	7734241	7263492	6.72
Aroclor-1260 {2}	2788826	3091170	3209959	3370664	3384228	3168969	7.72
Aroclor-1260 {3}	7747207	7867436	8197830	8754564	8696832	8252774	5.61
Aroclor-1260 {4}	3858168	4076459	4066742	4340387	4322153	4132782	4.87
Aroclor-1260 {5}	1594242	1739131	1689846	1780779	1611042	1683008	4.77
						Average %RSD	5.46

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 07/27/2012

Instrument ID: GC-Y
GC Column (2nd): RTX-CLP2

Data File: Y7474.C Y7473.C Y7472.C Y7471.C Y7470.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.79	3.79	3.79	3.79	3.79	3.79	3.72	3.86
Aroclor-1016 {2}	4.39	4.39	4.39	4.39	4.39	4.39	4.32	4.46
Aroclor-1016 {3}	5.14	5.14	5.14	5.14	5.14	5.14	5.07	5.21
Aroclor-1016 {4}	5.35	5.35	5.35	5.35	5.35	5.35	5.28	5.42
Aroclor-1016 {5}	5.52	5.52	5.52	5.53	5.52	5.52	5.45	5.59
Aroclor-1221			2.47				2.40	2.54
Aroclor-1221 {2}			3.47				3.40	3.54
Aroclor-1221 {3}			3.71				3.64	3.78
Aroclor-1221 {4}			3.80				3.73	3.87
Aroclor-1221 {5}			5.15				5.08	5.22
Aroclor-1232			3.79				3.72	3.86
Aroclor-1232 {2}			4.78				4.71	4.85
Aroclor-1232 {3}			5.35				5.28	5.42
Aroclor-1232 {4}			5.53				5.46	5.60
Aroclor-1232 {5}			6.13				6.06	6.20
Aroclor-1242			4.77				4.70	4.84
Aroclor-1242 {2}			5.52				5.45	5.59
Aroclor-1242 {3}			6.12				6.05	6.19
Aroclor-1242 {4}			6.28				6.21	6.35
Aroclor-1242 {5}			6.83				6.76	6.90
Aroclor-1248			5.14				5.06	5.22
Aroclor-1248 {2}			5.72				5.64	5.80
Aroclor-1248 {3}			6.12				6.04	6.20
Aroclor-1248 {4}			6.28				6.20	6.36
Aroclor-1248 {5}			6.63				6.55	6.71
Aroclor-1254			7.12				7.04	7.20
Aroclor-1254 {2}			7.71				7.63	7.79
Aroclor-1254 {3}			8.32				8.23	8.41
Aroclor-1254 {4}			8.55				8.46	8.64
Aroclor-1254 {5}			9.14				9.05	9.23
Aroclor-1260	7.89	7.89	7.89	7.89	7.89	7.89	6.99	8.79
Aroclor-1260 {2}	8.14	8.14	8.14	8.14	8.14	8.14	7.24	9.04
Aroclor-1260 {3}	9.73	9.73	9.73	9.73	9.73	9.73	8.83	10.63
Aroclor-1260 {4}	10.23	10.24	10.24	10.24	10.24	10.24	9.34	11.14
Aroclor-1260 {5}	10.83	10.83	10.83	10.83	10.83	10.83	9.93	11.73

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 07/27/2012

Instrument ID: GC-Y
GC Column (2nd): RTX-CLP2

Data File: Y7474.C Y7473.C Y7472.C Y7471.C Y7470.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	716762	706227	592756	606323	580908	640595	10.22
Aroclor-1016 {2}	1491342	1367756	1172264	1189784	1143037	1272837	11.82
Aroclor-1016 {3}	3232967	3014659	2707397	2809215	2741209	2901089	7.60
Aroclor-1016 {4}	1397458	1343377	1159070	1184958	1147159	1246404	9.28
Aroclor-1016 {5}	1092976	1027173	900173	930790	905784	971379	8.75
Aroclor-1221			303117				
Aroclor-1221 {2}			445826				
Aroclor-1221 {3}			275257				
Aroclor-1221 {4}			1026756				
Aroclor-1221 {5}			194646				
Aroclor-1232			669139				
Aroclor-1232 {2}			250595				
Aroclor-1232 {3}			554533				
Aroclor-1232 {4}			429284				
Aroclor-1232 {5}			589289				
Aroclor-1242			514508				
Aroclor-1242 {2}			903404				
Aroclor-1242 {3}			1170522				
Aroclor-1242 {4}			977089				
Aroclor-1242 {5}			1942170				
Aroclor-1248			1594094				
Aroclor-1248 {2}			2342634				
Aroclor-1248 {3}			1693836				
Aroclor-1248 {4}			1453571				
Aroclor-1248 {5}			839630				
Aroclor-1254			2166860				
Aroclor-1254 {2}			1708212				
Aroclor-1254 {3}			1684100				
Aroclor-1254 {4}			964117				
Aroclor-1254 {5}			2390859				
Aroclor-1260	1123931	1173392	1022484	1046311	1010906	1075405	6.54
Aroclor-1260 {2}	1719813	1703397	1498782	1527259	1473866	1584623	7.42
Aroclor-1260 {3}	1342862	1318301	1302734	1349136	1311077	1324822	1.53
Aroclor-1260 {4}	3007176	2672208	2849816	2985401	2914821	2885884	4.66
Aroclor-1260 {5}	1892243	1968924	2095635	2141260	2064573	2032527	4.95
						Average %RSD	7.28

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 07/27/2012

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

Data File: Y7474.D Y7473.D Y7472.D Y7471.D Y7470.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1262			8.62				7.72	7.72
Aroclor-1262 {2}			9.48				8.58	8.58
Aroclor-1262 {3}			10.11				9.21	9.21
Aroclor-1262 {4}			10.20				9.20	9.20
Aroclor-1262 {5}			11.02				10.02	10.02
Aroclor-1268			10.11				9.11	9.11
Aroclor-1268 {2}			10.19				9.09	9.09
Aroclor-1268 {3}			10.66				9.56	9.56
Aroclor-1268 {4}			10.79				9.69	9.69
Aroclor-1268 {5}			11.62				10.52	10.52

GC Column (2nd): DB-1701P

Data File: Y7474.C Y7473.C Y7472.C Y7471.C Y7470.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1262			9.73				8.83	8.83
Aroclor-1262 {2}			10.24				9.34	9.34
Aroclor-1262 {3}			10.73				9.83	9.83
Aroclor-1262 {4}			10.82				9.82	9.82
Aroclor-1262 {5}			11.42				10.42	10.42
Aroclor-1268			10.73				9.73	9.73
Aroclor-1268 {2}			10.81				9.71	9.71
Aroclor-1268 {3}			11.06				9.96	9.96
Aroclor-1268 {4}			11.21				10.11	10.11
Aroclor-1268 {5}			12.28				11.18	11.18

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 07/27/2012

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y7474.D Y7473.D Y7472.D Y7471.D Y7470.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			7714965				
Aroclor-1262 {2}			14417198				
Aroclor-1262 {3}			3110518				
Aroclor-1262 {4}			6075825				
Aroclor-1262 {5}			4508924				
Aroclor-1268			10860016				
Aroclor-1268 {2}			14225411				
Aroclor-1268 {3}			10282793				
Aroclor-1268 {4}			2897358				
Aroclor-1268 {5}			31426339				

GC Column (2nd): DB-1701P

Data File: Y7474.C Y7473.C Y7472.C Y7471.C Y7470.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			2286092				
Aroclor-1262 {2}			5016859				
Aroclor-1262 {3}			1654661				
Aroclor-1262 {4}			3415456				
Aroclor-1262 {5}			562448				
Aroclor-1268			4906314				
Aroclor-1268 {2}			5097805				
Aroclor-1268 {3}			4029758				
Aroclor-1268 {4}			1168430				
Aroclor-1268 {5}			12079931				

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/03/2012

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

Data File: R2317.D R2316.D R2315.D R2314.D R2313.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1016	3.98	3.98	3.97	3.97	3.97	3.97	3.90	4.04
Aroclor-1016 {2}	4.87	4.87	4.87	4.87	4.87	4.87	4.80	4.94
Aroclor-1016 {3}	5.45	5.45	5.45	5.45	5.45	5.45	5.38	5.52
Aroclor-1016 {4}	5.99	5.99	5.98	5.98	5.99	5.99	5.92	6.06
Aroclor-1016 {5}	6.40	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}			3.75				3.68	3.82
Aroclor-1221 {3}			3.89				3.82	3.96
Aroclor-1221 {4}			3.98				3.91	4.05
Aroclor-1221 {5}			4.62				4.55	4.69
Aroclor-1232			3.98				3.91	4.05
Aroclor-1232 {2}			4.87				4.80	4.94
Aroclor-1232 {3}			5.57				5.50	5.64
Aroclor-1232 {4}			6.19				6.12	6.26
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}			6.19				6.12	6.26
Aroclor-1242 {4}			6.91				6.84	6.98
Aroclor-1242 {5}			7.20				7.13	7.27
Aroclor-1248			5.29				5.21	5.37
Aroclor-1248 {2}			5.86				5.78	5.94
Aroclor-1248 {3}			6.19				6.11	6.27
Aroclor-1248 {4}			6.92				6.84	7.00
Aroclor-1248 {5}			7.20				7.12	7.28
Aroclor-1254			7.32				7.24	7.40
Aroclor-1254 {2}			7.77				7.69	7.85
Aroclor-1254 {3}			7.94				7.85	8.03
Aroclor-1254 {4}			8.39				8.30	8.48
Aroclor-1254 {5}			9.25				9.16	9.34
Aroclor-1260	9.24	9.25	9.25	9.25	9.25	9.25	8.35	10.15
Aroclor-1260 {2}	9.94	9.94	9.94	9.94	9.94	9.94	9.04	10.84
Aroclor-1260 {3}	10.41	10.41	10.41	10.41	10.41	10.41	9.51	11.31
Aroclor-1260 {4}	10.91	10.90	10.90	10.91	10.91	10.91	10.01	11.81
Aroclor-1260 {5}	11.98	11.98	11.98	11.98	11.98	11.98	11.08	12.88

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/03/2012

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R2317.D R2316.D R2315.D R2314.D R2313.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	4148547	3474713	3391408	3465880	3183041	3532718	10.30
Aroclor-1016 {2}	4814045	4541000	4561907	4617462	3394207	4385724	12.88
Aroclor-1016 {3}	7568738	6430138	6225723	6332514	5696869	6450796	10.64
Aroclor-1016 {4}	3542346	3069983	2794832	2915236	2754293	3015338	10.59
Aroclor-1016 {5}	6830760	5605541	5084418	5245594	4927718	5538806	13.81
Aroclor-1221			1229343				
Aroclor-1221 {2}			1914692				
Aroclor-1221 {3}			1356591				
Aroclor-1221 {4}			4598908				
Aroclor-1221 {5}			960571				
Aroclor-1232			3418592				
Aroclor-1232 {2}			1963761				
Aroclor-1232 {3}			1861795				
Aroclor-1232 {4}			1873511				
Aroclor-1232 {5}			2526106				
Aroclor-1242			3604887				
Aroclor-1242 {2}			2304299				
Aroclor-1242 {3}			3251247				
Aroclor-1242 {4}			4676274				
Aroclor-1242 {5}			4426889				
Aroclor-1248			7617307				
Aroclor-1248 {2}			4289968				
Aroclor-1248 {3}			5493016				
Aroclor-1248 {4}			8520185				
Aroclor-1248 {5}			7158979				
Aroclor-1254			9934700				
Aroclor-1254 {2}			6357385				
Aroclor-1254 {3}			11846584				
Aroclor-1254 {4}			13808739				
Aroclor-1254 {5}			11537908				
Aroclor-1260	13232716	14847679	14279675	14895160	12844991	14020044	6.69
Aroclor-1260 {2}	8356822	7467531	7187821	8016598	6047587	7415272	12.01
Aroclor-1260 {3}	24553014	24006644	25499192	26354326	24629842	25008604	3.69
Aroclor-1260 {4}	10630020	10556390	10880601	10512594	9382497	10392420	5.60
Aroclor-1260 {5}	5154888	4820946	4487637	4471914	4276315	4642340	7.47
						Average %RSD	9.37

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/03/2012

Instrument ID: GC-R
GC Column (2nd): RTX-CLP2

Data File: R2317.C R2316.C R2315.C R2314.C R2313.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	4.31	4.31	4.31	4.31	4.31	4.31	4.24	4.38
Aroclor-1016 {2}	4.93	4.93	4.93	4.93	4.93	4.93	4.86	5.00
Aroclor-1016 {3}	5.70	5.70	5.70	5.70	5.70	5.70	5.63	5.77
Aroclor-1016 {4}	5.91	5.91	5.91	5.91	5.91	5.91	5.84	5.98
Aroclor-1016 {5}	6.09	6.09	6.09	6.09	6.10	6.09	6.02	6.16
Aroclor-1221			2.91				2.84	2.98
Aroclor-1221 {2}			3.97				3.90	4.04
Aroclor-1221 {3}			4.21				4.14	4.28
Aroclor-1221 {4}			4.31				4.24	4.38
Aroclor-1221 {5}			5.70				5.63	5.77
Aroclor-1232			4.31				4.24	4.38
Aroclor-1232 {2}			5.33				5.26	5.40
Aroclor-1232 {3}			5.92				5.85	5.99
Aroclor-1232 {4}			6.10				6.03	6.17
Aroclor-1232 {5}			6.70				6.63	6.77
Aroclor-1242			5.33				5.26	5.40
Aroclor-1242 {2}			6.09				6.02	6.16
Aroclor-1242 {3}			6.70				6.63	6.77
Aroclor-1242 {4}			6.86				6.79	6.93
Aroclor-1242 {5}			7.42				7.35	7.49
Aroclor-1248			5.70				5.62	5.78
Aroclor-1248 {2}			6.30				6.22	6.38
Aroclor-1248 {3}			6.70				6.62	6.78
Aroclor-1248 {4}			6.86				6.78	6.94
Aroclor-1248 {5}			7.22				7.14	7.30
Aroclor-1254			7.71				7.63	7.79
Aroclor-1254 {2}			8.31				8.23	8.39
Aroclor-1254 {3}			8.76				8.67	8.85
Aroclor-1254 {4}			8.93				8.84	9.02
Aroclor-1254 {5}			9.76				9.67	9.85
Aroclor-1260	8.75	8.76	8.75	8.75	8.76	8.75	7.85	9.65
Aroclor-1260 {2}	9.16	9.16	9.16	9.16	9.16	9.16	8.26	10.06
Aroclor-1260 {3}	10.37	10.37	10.37	10.37	10.37	10.37	9.47	11.27
Aroclor-1260 {4}	10.88	10.88	10.88	10.88	10.88	10.88	9.98	11.78
Aroclor-1260 {5}	11.47	11.48	11.48	11.48	11.48	11.48	10.58	12.38

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/03/2012 **Instrument ID:** GC-R

GC Column (2nd): RTX-CLP2

Data File: R2317.C R2316.C R2315.C R2314.C R2313.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	3301781	2954105	2643643	2529226	2303020	2746355	14.17
Aroclor-1016 {2}	6707489	6150160	5110511	4948360	4347097	5452724	17.53
Aroclor-1016 {3}	14745460	12859894	11264390	11150500	10121445	12028338	15.02
Aroclor-1016 {4}	5742883	5607312	4849813	4698138	4249064	5029442	12.55
Aroclor-1016 {5}	5012641	4334838	3727625	3633227	3135719	3968810	18.21
Aroclor-1221			1122396				
Aroclor-1221 {2}			1539972				
Aroclor-1221 {3}			1037434				
Aroclor-1221 {4}			3477204				
Aroclor-1221 {5}			726493				
Aroclor-1232			2723088				
Aroclor-1232 {2}			1075934				
Aroclor-1232 {3}			2243133				
Aroclor-1232 {4}			1695418				
Aroclor-1232 {5}			2462122				
Aroclor-1242			1734866				
Aroclor-1242 {2}			2937496				
Aroclor-1242 {3}			3926592				
Aroclor-1242 {4}			3302370				
Aroclor-1242 {5}			3081015				
Aroclor-1248			5584663				
Aroclor-1248 {2}			7985358				
Aroclor-1248 {3}			5968248				
Aroclor-1248 {4}			5106084				
Aroclor-1248 {5}			2887863				
Aroclor-1254			5441537				
Aroclor-1254 {2}			5978071				
Aroclor-1254 {3}			3838743				
Aroclor-1254 {4}			5725090				
Aroclor-1254 {5}			7956918				
Aroclor-1260	7970181	7043339	5736710	5616554	5210658	6315488	18.25
Aroclor-1260 {2}	9207320	8223573	6675375	6514070	5872398	7298547	18.81
Aroclor-1260 {3}	5862064	5654391	4967417	4891180	3825217	5040054	15.86
Aroclor-1260 {4}	11168198	10895756	9702263	9449954	8929616	10029157	9.59
Aroclor-1260 {5}	9642825	8763279	7680727	7558727	6969315	8122975	13.15
					Average %RSD		15.31

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/03/2012

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

Data File: R2317.D R2316.D R2315.D R2314.D R2313.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1262			9.54				8.64	8.64
Aroclor-1262 {2}			10.41				9.51	9.51
Aroclor-1262 {3}			11.06				10.16	10.16
Aroclor-1262 {4}			11.15				10.15	10.15
Aroclor-1262 {5}			11.98				10.98	10.98
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: R2317.C R2316.C R2315.C R2314.C R2313.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1262			10.37				9.47	9.47
Aroclor-1262 {2}			10.88				9.98	9.98
Aroclor-1262 {3}			11.38				10.48	10.48
Aroclor-1262 {4}			11.47				10.47	10.47
Aroclor-1262 {5}			12.08				11.08	11.08
Aroclor-1268			11.38				10.38	10.38
Aroclor-1268 {2}			11.46				10.36	10.36
Aroclor-1268 {3}			11.72				10.62	10.62
Aroclor-1268 {4}			11.87				10.77	10.77
Aroclor-1268 {5}			12.95				11.85	11.85

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/03/2012

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R2317.D R2316.D R2315.D R2314.D R2313.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			17525688				
Aroclor-1262 {2}			29638775				
Aroclor-1262 {3}			11417295				
Aroclor-1262 {4}			11211241				
Aroclor-1262 {5}			8026484				
Aroclor-1268			32102927				
Aroclor-1268 {2}			27961472				
Aroclor-1268 {3}			23524487				
Aroclor-1268 {4}			5436485				
Aroclor-1268 {5}			59091331				

GC Column (2nd): DB-1701P

Data File: R2317.C R2316.C R2315.C R2314.C R2313.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			6981401				
Aroclor-1262 {2}			14077231				
Aroclor-1262 {3}			5235717				
Aroclor-1262 {4}			10133728				
Aroclor-1262 {5}			1994301				
Aroclor-1268			15051290				
Aroclor-1268 {2}			14571754				
Aroclor-1268 {3}			12197691				
Aroclor-1268 {4}			3103769				
Aroclor-1268 {5}			37540894				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 07/31/2012 **Instrument ID:** GC-Y

Data File: Y7717.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	1642902	1782523	8.50
Aroclor-1016 {2}	4.12	4.04	4.18	2274432	2390553	5.11
Aroclor-1016 {3}	4.67	4.59	4.73	3100344	3280728	5.82
Aroclor-1016 {4}	5.17	5.10	5.24	1496150	1564221	4.55
Aroclor-1016 {5}	5.57	5.49	5.63	2485801	2548568	2.52
Aroclor-1260	8.34	7.43	9.23	7263492	6573304	9.50
Aroclor-1260 {2}	9.01	8.11	9.91	3168969	2683939	15.31
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	6943598	15.86
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	3645477	11.79
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1403167	16.63
					Average %D	9.56

Data File: Y7717.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.79	3.72	3.86	640595	632096	1.33
Aroclor-1016 {2}	4.39	4.32	4.46	1272837	1250492	1.76
Aroclor-1016 {3}	5.14	5.07	5.21	2901089	2850357	1.75
Aroclor-1016 {4}	5.35	5.28	5.42	1246404	1206556	3.20
Aroclor-1016 {5}	5.53	5.45	5.59	971379	935992	3.64
Aroclor-1260	7.89	6.99	8.79	1075405	1037928	3.48
Aroclor-1260 {2}	8.14	7.24	9.04	1584623	1472117	7.10
Aroclor-1260 {3}	9.73	8.83	10.63	1324822	1204829	9.06
Aroclor-1260 {4}	10.23	9.34	11.14	2885884	2502748	13.28
Aroclor-1260 {5}	10.82	9.93	11.73	2032527	1754452	13.68
					Average %D	5.83

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 07/31/2012 **Instrument ID:** GC-Y

Data File: Y7730.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	1642902	1804723	9.85
Aroclor-1016 {2}	4.12	4.04	4.18	2274432	2432289	6.94
Aroclor-1016 {3}	4.67	4.59	4.73	3100344	3376238	8.90
Aroclor-1016 {4}	5.17	5.10	5.24	1496150	1639468	9.58
Aroclor-1016 {5}	5.57	5.49	5.63	2485801	2690482	8.23
Aroclor-1260	8.34	7.43	9.23	7263492	7614283	4.83
Aroclor-1260 {2}	9.01	8.11	9.91	3168969	3136376	1.03
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	8063456	2.29
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	3835513	7.19
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1406621	16.42
					Average %D	7.53

Data File: Y7730.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.79	3.72	3.86	640595	647177	1.03
Aroclor-1016 {2}	4.39	4.32	4.46	1272837	1284033	0.88
Aroclor-1016 {3}	5.14	5.07	5.21	2901089	2962946	2.13
Aroclor-1016 {4}	5.35	5.28	5.42	1246404	1252289	0.47
Aroclor-1016 {5}	5.52	5.45	5.59	971379	977126	0.59
Aroclor-1260	7.89	6.99	8.79	1075405	1112277	3.43
Aroclor-1260 {2}	8.14	7.24	9.04	1584623	1606442	1.38
Aroclor-1260 {3}	9.73	8.83	10.63	1324822	1355114	2.29
Aroclor-1260 {4}	10.23	9.34	11.14	2885884	2913099	0.94
Aroclor-1260 {5}	10.82	9.93	11.73	2032527	2046995	0.71
					Average %D	1.38

PCB CALIBRATION VERIFICATION SUMMARY

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

Data File: R2585.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.98	3.90	4.04	3532718	3661772	3.65
Aroclor-1016 {2}	4.88	4.80	4.94	4385724	4105549	6.39
Aroclor-1016 {3}	5.47	5.38	5.52	6450796	6196315	3.94
Aroclor-1016 {4}	6.00	5.92	6.06	3015338	3192519	5.88
Aroclor-1016 {5}	6.41	6.33	6.47	5538806	5797505	4.67
Aroclor-1260	9.26	8.35	10.15	14020044	12931332	7.77
Aroclor-1260 {2}	9.95	9.04	10.84	7415272	6470445	12.74
Aroclor-1260 {3}	10.43	9.51	11.31	25008604	21442605	14.26
Aroclor-1260 {4}	10.92	10.01	11.81	10392420	8845888	14.88
Aroclor-1260 {5}	11.99	11.08	12.88	4642340	4088455	11.93
					Average %D	8.61

Data File: R2585.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.33	4.24	4.38	2746355	2872291	4.59
Aroclor-1016 {2}	4.95	4.86	5.00	5452724	5183832	4.93
Aroclor-1016 {3}	5.72	5.63	5.77	12028338	11886385	1.18
Aroclor-1016 {4}	5.93	5.84	5.98	5029442	5492320	9.20
Aroclor-1016 {5}	6.11	6.02	6.16	3968810	4348311	9.56
Aroclor-1260	8.77	7.85	9.65	6315488	5428287	14.05
Aroclor-1260 {2}	9.18	8.26	10.06	7298547	6178851	15.34
Aroclor-1260 {3}	10.38	9.47	11.27	5040054	4312624	14.43
Aroclor-1260 {4}	10.89	9.98	11.78	10029157	8383732	16.41
Aroclor-1260 {5}	11.49	10.58	12.38	8122975	6779005	16.55
					Average %D	10.62

PCB CALIBRATION VERIFICATION SUMMARY

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

Data File: R2596.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.98	3.90	4.04	3532718	4090138	15.78
Aroclor-1016 {2}	4.88	4.80	4.94	4385724	5159921	17.65
Aroclor-1016 {3}	5.46	5.38	5.52	6450796	7265329	12.63
Aroclor-1016 {4}	5.99	5.92	6.06	3015338	3171285	5.17
Aroclor-1016 {5}	6.40	6.33	6.47	5538806	6178195	11.54
Aroclor-1260	9.25	8.35	10.15	14020044	16145496	15.16
Aroclor-1260 {2}	9.94	9.04	10.84	7415272	8689146	17.18
Aroclor-1260 {3}	10.42	9.51	11.31	25008604	26964459	7.82
Aroclor-1260 {4}	10.91	10.01	11.81	10392420	10782469	3.75
Aroclor-1260 {5}	11.98	11.08	12.88	4642340	4328214	6.77
					Average %D	11.35

Data File: R2596.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.31	4.24	4.38	2746355	2945693	7.26
Aroclor-1016 {2}	4.93	4.86	5.00	5452724	5658786	3.78
Aroclor-1016 {3}	5.70	5.63	5.77	12028338	12653686	5.20
Aroclor-1016 {4}	5.92	5.84	5.98	5029442	5409799	7.56
Aroclor-1016 {5}	6.09	6.02	6.16	3968810	4254186	7.19
Aroclor-1260	8.75	7.85	9.65	6315488	6568897	4.01
Aroclor-1260 {2}	9.16	8.26	10.06	7298547	7517478	3.00
Aroclor-1260 {3}	10.36	9.47	11.27	5040054	5531630	9.75
Aroclor-1260 {4}	10.87	9.98	11.78	10029157	10647687	6.17
Aroclor-1260 {5}	11.47	10.58	12.38	8122975	7533245	7.26
					Average %D	6.12

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/15/2012 **Instrument ID:** GC-R

Data File: R2973.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.98	3.90	4.04	3532718	3643747	3.14
Aroclor-1016 {2}	4.88	4.80	4.94	4385724	4833685	10.21
Aroclor-1016 {3}	5.46	5.38	5.52	6450796	7017675	8.79
Aroclor-1016 {4}	5.99	5.92	6.06	3015338	3568608	18.35
Aroclor-1016 {5}	6.41	6.33	6.47	5538806	6309353	13.91
Aroclor-1260	9.25	8.35	10.15	14020044	16540279	17.98
Aroclor-1260 {2}	9.94	9.04	10.84	7415272	8459337	14.08
Aroclor-1260 {3}	10.42	9.51	11.31	25008604	28304079	13.18
Aroclor-1260 {4}	10.91	10.01	11.81	10392420	11767072	13.23
Aroclor-1260 {5}	11.99	11.08	12.88	4642340	4556301	1.85
					Average %D	11.47

Data File: R2973.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.30	4.24	4.38	2746355	3225031	17.43
Aroclor-1016 {2}	4.92	4.86	5.00	5452724	6118206	12.20
Aroclor-1016 {3}	5.69	5.63	5.77	12028338	13881298	15.40
Aroclor-1016 {4}	5.91	5.84	5.98	5029442	5865400	16.62
Aroclor-1016 {5}	6.09	6.02	6.16	3968810	4658481	17.38
Aroclor-1260	8.75	7.85	9.65	6315488	7292107	15.46
Aroclor-1260 {2}	9.16	8.26	10.06	7298547	8304164	13.78
Aroclor-1260 {3}	10.36	9.47	11.27	5040054	5634974	11.80
Aroclor-1260 {4}	10.87	9.98	11.78	10029157	11517484	14.84
Aroclor-1260 {5}	11.47	10.58	12.38	8122975	8910309	9.69
					Average %D	14.46

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/15/2012 **Instrument ID:** GC-R

Data File: R2997.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.98	3.90	4.04	3532718	3511316	0.61
Aroclor-1016 {2}	4.88	4.80	4.94	4385724	4894236	11.59
Aroclor-1016 {3}	5.46	5.38	5.52	6450796	6615197	2.55
Aroclor-1016 {4}	5.99	5.92	6.06	3015338	3016400	0.04
Aroclor-1016 {5}	6.41	6.33	6.47	5538806	5300545	4.30
Aroclor-1260	9.26	8.35	10.15	14020044	15898051	13.40
Aroclor-1260 {2}	9.94	9.04	10.84	7415272	8443514	13.87
Aroclor-1260 {3}	10.42	9.51	11.31	25008604	28937000	15.71
Aroclor-1260 {4}	10.91	10.01	11.81	10392420	11378116	9.48
Aroclor-1260 {5}	11.99	11.08	12.88	4642340	4868782	4.88
					Average %D	7.64

Data File: R2997.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.30	4.24	4.38	2746355	2544872	7.34
Aroclor-1016 {2}	4.92	4.86	5.00	5452724	5022992	7.88
Aroclor-1016 {3}	5.70	5.63	5.77	12028338	11268424	6.32
Aroclor-1016 {4}	5.91	5.84	5.98	5029442	4885148	2.87
Aroclor-1016 {5}	6.09	6.02	6.16	3968810	3740910	5.74
Aroclor-1260	8.75	7.85	9.65	6315488	6065415	3.96
Aroclor-1260 {2}	9.16	8.26	10.06	7298547	7095405	2.78
Aroclor-1260 {3}	10.36	9.47	11.27	5040054	5100236	1.19
Aroclor-1260 {4}	10.87	9.98	11.78	10029157	10481694	4.51
Aroclor-1260 {5}	11.47	10.58	12.38	8122975	7148460	12.00
					Average %D	5.46

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/15/2012 **Instrument ID:** GC-R

Data File: R2999.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.98	3.90	4.04	3532718	3654902	3.46
Aroclor-1016 {2}	4.88	4.80	4.94	4385724	5026348	14.61
Aroclor-1016 {3}	5.47	5.38	5.52	6450796	6692115	3.74
Aroclor-1016 {4}	6.00	5.92	6.06	3015338	3026623	0.37
Aroclor-1016 {5}	6.41	6.33	6.47	5538806	5348534	3.44
Aroclor-1260	9.26	8.35	10.15	14020044	15120633	7.85
Aroclor-1260 {2}	9.95	9.04	10.84	7415272	7678896	3.56
Aroclor-1260 {3}	10.43	9.51	11.31	25008604	22545055	9.85
Aroclor-1260 {4}	10.92	10.01	11.81	10392420	9677598	6.88
Aroclor-1260 {5}	11.99	11.08	12.88	4642340	4441545	4.33
					Average %D	5.81

Data File: R2999.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.32	4.24	4.38	2746355	2846697	3.65
Aroclor-1016 {2}	4.94	4.86	5.00	5452724	5479551	0.49
Aroclor-1016 {3}	5.71	5.63	5.77	12028338	12291017	2.18
Aroclor-1016 {4}	5.93	5.84	5.98	5029442	5223562	3.86
Aroclor-1016 {5}	6.11	6.02	6.16	3968810	4128399	4.02
Aroclor-1260	8.76	7.85	9.65	6315488	6102607	3.37
Aroclor-1260 {2}	9.17	8.26	10.06	7298547	6976114	4.42
Aroclor-1260 {3}	10.37	9.47	11.27	5040054	5067206	0.54
Aroclor-1260 {4}	10.88	9.98	11.78	10029157	10197092	1.67
Aroclor-1260 {5}	11.48	10.58	12.38	8122975	6950141	14.44
					Average %D	3.87

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/15/2012 **Instrument ID:** GC-R

Data File: R3008.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.98	3.90	4.04	3532718	3285762	6.99
Aroclor-1016 {2}	4.87	4.80	4.94	4385724	4039610	7.89
Aroclor-1016 {3}	5.46	5.38	5.52	6450796	6123725	5.07
Aroclor-1016 {4}	5.99	5.92	6.06	3015338	2718060	9.86
Aroclor-1016 {5}	6.40	6.33	6.47	5538806	4910207	11.35
Aroclor-1260	9.25	8.35	10.15	14020044	16246193	15.88
Aroclor-1260 {2}	9.94	9.04	10.84	7415272	8515614	14.84
Aroclor-1260 {3}	10.42	9.51	11.31	25008604	29209727	16.80
Aroclor-1260 {4}	10.91	10.01	11.81	10392420	11502541	10.68
Aroclor-1260 {5}	11.98	11.08	12.88	4642340	5328504	14.78
					Average %D	11.41

Data File: R3008.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.30	4.24	4.38	2746355	2393352	12.85
Aroclor-1016 {2}	4.92	4.86	5.00	5452724	4639747	14.91
Aroclor-1016 {3}	5.69	5.63	5.77	12028338	10394804	13.58
Aroclor-1016 {4}	5.91	5.84	5.98	5029442	4567978	9.18
Aroclor-1016 {5}	6.09	6.02	6.16	3968810	3662927	7.71
Aroclor-1260	8.74	7.85	9.65	6315488	5705690	9.66
Aroclor-1260 {2}	9.16	8.26	10.06	7298547	6293371	13.77
Aroclor-1260 {3}	10.36	9.47	11.27	5040054	5299566	5.15
Aroclor-1260 {4}	10.87	9.98	11.78	10029157	9322055	7.05
Aroclor-1260 {5}	11.46	10.58	12.38	8122975	6784333	16.48
					Average %D	11.03

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/21/2012 **Instrument ID:** GC-R

Data File: R3345.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.99	3.90	4.04	3532718	3996736	13.13
Aroclor-1016 {2}	4.88	4.80	4.94	4385724	3862270	11.94
Aroclor-1016 {3}	5.47	5.38	5.52	6450796	7070413	9.61
Aroclor-1016 {4}	6.00	5.92	6.06	3015338	3396553	12.64
Aroclor-1016 {5}	6.41	6.33	6.47	5538806	5811600	4.93
Aroclor-1260	9.26	8.35	10.15	14020044	16096989	14.81
Aroclor-1260 {2}	9.95	9.04	10.84	7415272	6601028	10.98
Aroclor-1260 {3}	10.43	9.51	11.31	25008604	21001181	16.02
Aroclor-1260 {4}	10.92	10.01	11.81	10392420	8920600	14.16
Aroclor-1260 {5}	11.99	11.08	12.88	4642340	3952749	14.85
					Average %D	12.31

Data File: R3345.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.32	4.24	4.38	2746355	2909106	5.93
Aroclor-1016 {2}	4.94	4.86	5.00	5452724	6132941	12.47
Aroclor-1016 {3}	5.71	5.63	5.77	12028338	13886057	15.44
Aroclor-1016 {4}	5.93	5.84	5.98	5029442	5927178	17.85
Aroclor-1016 {5}	6.11	6.02	6.16	3968810	4640889	16.93
Aroclor-1260	8.76	7.85	9.65	6315488	6870968	8.80
Aroclor-1260 {2}	9.17	8.26	10.06	7298547	7437774	1.91
Aroclor-1260 {3}	10.37	9.47	11.27	5040054	4811667	4.53
Aroclor-1260 {4}	10.88	9.98	11.78	10029157	8647543	13.78
Aroclor-1260 {5}	11.48	10.58	12.38	8122975	6914882	14.87
					Average %D	11.25

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/21/2012 **Instrument ID:** GC-R

Data File: R3347.D **GC Column (1st):** DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.99	3.90	4.04	3532718	4001282	13.26
Aroclor-1016 {2}	4.88	4.80	4.94	4385724	3780618	13.80
Aroclor-1016 {3}	5.47	5.38	5.52	6450796	7222709	11.97
Aroclor-1016 {4}	6.00	5.92	6.06	3015338	3431311	13.80
Aroclor-1016 {5}	6.41	6.33	6.47	5538806	5976755	7.91
Aroclor-1260	9.26	8.35	10.15	14020044	15998277	14.11
Aroclor-1260 {2}	9.95	9.04	10.84	7415272	7968731	7.46
Aroclor-1260 {3}	10.42	9.51	11.31	25008604	22988505	8.08
Aroclor-1260 {4}	10.91	10.01	11.81	10392420	9075303	12.67
Aroclor-1260 {5}	11.99	11.08	12.88	4642340	3942767	15.07
					Average %D	11.81

Data File: R3347.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	4.30	4.24	4.38	2746355	2876414	4.74
Aroclor-1016 {2}	4.92	4.86	5.00	5452724	5990104	9.86
Aroclor-1016 {3}	5.69	5.63	5.77	12028338	13596628	13.04
Aroclor-1016 {4}	5.91	5.84	5.98	5029442	5852766	16.37
Aroclor-1016 {5}	6.09	6.02	6.16	3968810	4668269	17.62
Aroclor-1260	8.74	7.85	9.65	6315488	7127706	12.86
Aroclor-1260 {2}	9.16	8.26	10.06	7298547	7710932	5.65
Aroclor-1260 {3}	10.36	9.47	11.27	5040054	5201694	3.21
Aroclor-1260 {4}	10.86	9.98	11.78	10029157	9649282	3.79
Aroclor-1260 {5}	11.46	10.58	12.38	8122975	6985797	14.00
					Average %D	10.11

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/15/2012 **Instrument ID:** GC-Y

Data File: Y8468.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	1642902	1894619	15.32
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2603273	14.46
Aroclor-1016 {3}	4.66	4.59	4.73	3100344	3539234	14.16
Aroclor-1016 {4}	5.17	5.10	5.24	1496150	1703430	13.85
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2822068	13.53
Aroclor-1260	8.33	7.43	9.23	7263492	8171747	12.50
Aroclor-1260 {2}	9.01	8.11	9.91	3168969	3512899	10.85
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	9032232	9.44
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	4400428	6.48
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1751028	4.04
					Average %D	11.46

Data File: Y8468.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.72	3.86	640595	666971	4.12
Aroclor-1016 {2}	4.38	4.32	4.46	1272837	1319256	3.65
Aroclor-1016 {3}	5.13	5.07	5.21	2901089	3020550	4.12
Aroclor-1016 {4}	5.34	5.28	5.42	1246404	1279602	2.66
Aroclor-1016 {5}	5.52	5.45	5.59	971379	998345	2.78
Aroclor-1260	7.88	6.99	8.79	1075405	1100904	2.37
Aroclor-1260 {2}	8.13	7.24	9.04	1584623	1607882	1.47
Aroclor-1260 {3}	9.72	8.83	10.63	1324822	1388184	4.78
Aroclor-1260 {4}	10.23	9.34	11.14	2885884	2930439	1.54
Aroclor-1260 {5}	10.81	9.93	11.73	2032527	2081034	2.39
					Average %D	2.99

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/15/2012 **Instrument ID:** GC-Y

Data File: Y8493.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	1642902	1897950	15.52
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2610287	14.77
Aroclor-1016 {3}	4.66	4.59	4.73	3100344	3553178	14.61
Aroclor-1016 {4}	5.17	5.10	5.24	1496150	1702646	13.80
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2843987	14.41
Aroclor-1260	8.33	7.43	9.23	7263492	8487644	16.85
Aroclor-1260 {2}	9.01	8.11	9.91	3168969	3638842	14.83
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	9521026	15.37
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	4635409	12.16
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1859736	10.50
					Average %D	14.28

Data File: Y8493.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.72	3.86	640595	635634	0.77
Aroclor-1016 {2}	4.38	4.32	4.46	1272837	1262477	0.81
Aroclor-1016 {3}	5.13	5.07	5.21	2901089	2889634	0.39
Aroclor-1016 {4}	5.34	5.28	5.42	1246404	1233130	1.07
Aroclor-1016 {5}	5.51	5.45	5.59	971379	957800	1.40
Aroclor-1260	7.88	6.99	8.79	1075405	1066082	0.87
Aroclor-1260 {2}	8.13	7.24	9.04	1584623	1566584	1.14
Aroclor-1260 {3}	9.72	8.83	10.63	1324822	1361152	2.74
Aroclor-1260 {4}	10.23	9.34	11.14	2885884	2910142	0.84
Aroclor-1260 {5}	10.81	9.93	11.73	2032527	2061139	1.41
					Average %D	1.14

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/15/2012 **Instrument ID:** GC-R

Data File: R3009.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.98	3.90	4.04	3532718	3904391	10.52
Aroclor-1016 {2}	4.88	4.80	4.94	4385724	4860125	10.82
Aroclor-1016 {3}	5.46	5.38	5.52	6450796	7288662	12.99
Aroclor-1016 {4}	5.99	5.92	6.06	3015338	3335999	10.63
Aroclor-1016 {5}	6.40	6.33	6.47	5538806	5630888	1.66
Aroclor-1260	9.25	8.35	10.15	14020044	16543385	18.00
Aroclor-1260 {2}	9.94	9.04	10.84	7415272	8364692	12.80
Aroclor-1260 {3}	10.42	9.51	11.31	25008604	29369415	17.44
Aroclor-1260 {4}	10.91	10.01	11.81	10392420	12267279	18.04
Aroclor-1260 {5}	11.99	11.08	12.88	4642340	5295478	14.07
					Average %D	12.70

Data File: R3009.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.30	4.24	4.38	2746355	2830970	3.08
Aroclor-1016 {2}	4.92	4.86	5.00	5452724	5290949	2.97
Aroclor-1016 {3}	5.69	5.63	5.77	12028338	12198941	1.42
Aroclor-1016 {4}	5.91	5.84	5.98	5029442	5361083	6.59
Aroclor-1016 {5}	6.09	6.02	6.16	3968810	4186208	5.48
Aroclor-1260	8.75	7.85	9.65	6315488	6134784	2.86
Aroclor-1260 {2}	9.16	8.26	10.06	7298547	7055786	3.33
Aroclor-1260 {3}	10.36	9.47	11.27	5040054	5424745	7.63
Aroclor-1260 {4}	10.87	9.98	11.78	10029157	11608151	15.74
Aroclor-1260 {5}	11.47	10.58	12.38	8122975	7725060	4.90
					Average %D	5.40

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/16/2012 **Instrument ID:** GC-R

Data File: R3034.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.98	3.90	4.04	3532718	3482981	1.41
Aroclor-1016 {2}	4.88	4.80	4.94	4385724	4780803	9.01
Aroclor-1016 {3}	5.46	5.38	5.52	6450796	6413003	0.59
Aroclor-1016 {4}	5.99	5.92	6.06	3015338	2928277	2.89
Aroclor-1016 {5}	6.41	6.33	6.47	5538806	5150959	7.00
Aroclor-1260	9.26	8.35	10.15	14020044	16016426	14.24
Aroclor-1260 {2}	9.94	9.04	10.84	7415272	8656615	16.74
Aroclor-1260 {3}	10.42	9.51	11.31	25008604	24918808	0.36
Aroclor-1260 {4}	10.91	10.01	11.81	10392420	11073983	6.56
Aroclor-1260 {5}	11.99	11.08	12.88	4642340	5135941	10.63
					Average %D	6.94

Data File: R3034.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.30	4.24	4.38	2746355	2665440	2.95
Aroclor-1016 {2}	4.92	4.86	5.00	5452724	5140257	5.73
Aroclor-1016 {3}	5.69	5.63	5.77	12028338	11622004	3.38
Aroclor-1016 {4}	5.91	5.84	5.98	5029442	4948342	1.61
Aroclor-1016 {5}	6.09	6.02	6.16	3968810	3929230	1.00
Aroclor-1260	8.75	7.85	9.65	6315488	6042200	4.33
Aroclor-1260 {2}	9.16	8.26	10.06	7298547	6960850	4.63
Aroclor-1260 {3}	10.36	9.47	11.27	5040054	5357141	6.29
Aroclor-1260 {4}	10.87	9.98	11.78	10029157	10737857	7.07
Aroclor-1260 {5}	11.47	10.58	12.38	8122975	7542844	7.14
					Average %D	4.41

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/17/2012 **Instrument ID:** GC-R

Data File: R3140.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.98	3.90	4.04	3532718	3616962	2.38
Aroclor-1016 {2}	4.88	4.80	4.94	4385724	4849848	10.58
Aroclor-1016 {3}	5.47	5.38	5.52	6450796	6616592	2.57
Aroclor-1016 {4}	6.00	5.92	6.06	3015338	3060946	1.51
Aroclor-1016 {5}	6.41	6.33	6.47	5538806	5365448	3.13
Aroclor-1260	9.26	8.35	10.15	14020044	16488815	17.61
Aroclor-1260 {2}	9.95	9.04	10.84	7415272	8335840	12.41
Aroclor-1260 {3}	10.43	9.51	11.31	25008604	26776277	7.07
Aroclor-1260 {4}	10.92	10.01	11.81	10392420	10880488	4.70
Aroclor-1260 {5}	11.99	11.08	12.88	4642340	3999872	13.84
					Average %D	7.58

Data File: R3140.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.32	4.24	4.38	2746355	2850413	3.79
Aroclor-1016 {2}	4.94	4.86	5.00	5452724	5453072	0.01
Aroclor-1016 {3}	5.71	5.63	5.77	12028338	12232972	1.70
Aroclor-1016 {4}	5.93	5.84	5.98	5029442	5274470	4.87
Aroclor-1016 {5}	6.11	6.02	6.16	3968810	4255513	7.22
Aroclor-1260	8.76	7.85	9.65	6315488	6257005	0.93
Aroclor-1260 {2}	9.17	8.26	10.06	7298547	7178551	1.64
Aroclor-1260 {3}	10.37	9.47	11.27	5040054	5202702	3.23
Aroclor-1260 {4}	10.88	9.98	11.78	10029157	10157210	1.28
Aroclor-1260 {5}	11.48	10.58	12.38	8122975	7116486	12.39
					Average %D	3.71

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/17/2012 **Instrument ID:** GC-R

Data File: R3159.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.98	3.90	4.04	3532718	3668781	3.85
Aroclor-1016 {2}	4.88	4.80	4.94	4385724	4682016	6.76
Aroclor-1016 {3}	5.47	5.38	5.52	6450796	6584343	2.07
Aroclor-1016 {4}	6.00	5.92	6.06	3015338	2894109	4.02
Aroclor-1016 {5}	6.41	6.33	6.47	5538806	5111518	7.71
Aroclor-1260	9.26	8.35	10.15	14020044	16346040	16.59
Aroclor-1260 {2}	9.94	9.04	10.84	7415272	8059811	8.69
Aroclor-1260 {3}	10.42	9.51	11.31	25008604	25418063	1.64
Aroclor-1260 {4}	10.91	10.01	11.81	10392420	11425524	9.94
Aroclor-1260 {5}	11.98	11.08	12.88	4642340	4264479	8.14
					Average %D	6.94

Data File: R3159.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.30	4.24	4.38	2746355	2870935	4.54
Aroclor-1016 {2}	4.92	4.86	5.00	5452724	5446952	0.11
Aroclor-1016 {3}	5.69	5.63	5.77	12028338	12230114	1.68
Aroclor-1016 {4}	5.91	5.84	5.98	5029442	5268763	4.76
Aroclor-1016 {5}	6.09	6.02	6.16	3968810	4549430	14.63
Aroclor-1260	8.75	7.85	9.65	6315488	5797698	8.20
Aroclor-1260 {2}	9.15	8.26	10.06	7298547	6471134	11.34
Aroclor-1260 {3}	10.36	9.47	11.27	5040054	4722735	6.30
Aroclor-1260 {4}	10.86	9.98	11.78	10029157	9077309	9.49
Aroclor-1260 {5}	11.46	10.58	12.38	8122975	6887773	15.21
					Average %D	7.62

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/21/2012 **Instrument ID:** GC-R

Data File: R3347.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.99	3.90	4.04	3532718	4001282	13.26
Aroclor-1016 {2}	4.88	4.80	4.94	4385724	3780618	13.80
Aroclor-1016 {3}	5.47	5.38	5.52	6450796	7222709	11.97
Aroclor-1016 {4}	6.00	5.92	6.06	3015338	3431311	13.80
Aroclor-1016 {5}	6.41	6.33	6.47	5538806	5976755	7.91
Aroclor-1260	9.26	8.35	10.15	14020044	15998277	14.11
Aroclor-1260 {2}	9.95	9.04	10.84	7415272	7968731	7.46
Aroclor-1260 {3}	10.42	9.51	11.31	25008604	22988505	8.08
Aroclor-1260 {4}	10.91	10.01	11.81	10392420	9075303	12.67
Aroclor-1260 {5}	11.99	11.08	12.88	4642340	3942767	15.07
					Average %D	11.81

Data File: R3347.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.30	4.24	4.38	2746355	2876414	4.74
Aroclor-1016 {2}	4.92	4.86	5.00	5452724	5990104	9.86
Aroclor-1016 {3}	5.69	5.63	5.77	12028338	13596628	13.04
Aroclor-1016 {4}	5.91	5.84	5.98	5029442	5852766	16.37
Aroclor-1016 {5}	6.09	6.02	6.16	3968810	4668269	17.62
Aroclor-1260	8.74	7.85	9.65	6315488	7127706	12.86
Aroclor-1260 {2}	9.16	8.26	10.06	7298547	7710932	5.65
Aroclor-1260 {3}	10.36	9.47	11.27	5040054	5201694	3.21
Aroclor-1260 {4}	10.86	9.98	11.78	10029157	9649282	3.79
Aroclor-1260 {5}	11.46	10.58	12.38	8122975	6985797	14.00
					Average %D	10.11

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/21/2012 **Instrument ID:** GC-R

Data File: R3349.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.99	3.90	4.04	3532718	3777028	6.92
Aroclor-1016 {2}	4.88	4.80	4.94	4385724	3552689	18.99
Aroclor-1016 {3}	5.47	5.38	5.52	6450796	6701933	3.89
Aroclor-1016 {4}	5.99	5.92	6.06	3015338	3100228	2.82
Aroclor-1016 {5}	6.41	6.33	6.47	5538806	5557936	0.35
Aroclor-1260	9.26	8.35	10.15	14020044	15389971	9.77
Aroclor-1260 {2}	9.95	9.04	10.84	7415272	7203455	2.86
Aroclor-1260 {3}	10.42	9.51	11.31	25008604	21365224	14.57
Aroclor-1260 {4}	10.91	10.01	11.81	10392420	8905693	14.31
Aroclor-1260 {5}	11.99	11.08	12.88	4642340	4504437	2.97
					Average %D	7.74

Data File: R3349.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.30	4.24	4.38	2746355	3217416	17.15
Aroclor-1016 {2}	4.92	4.86	5.00	5452724	5711651	4.75
Aroclor-1016 {3}	5.70	5.63	5.77	12028338	12855613	6.88
Aroclor-1016 {4}	5.91	5.84	5.98	5029442	5497200	9.30
Aroclor-1016 {5}	6.09	6.02	6.16	3968810	4395725	10.76
Aroclor-1260	8.75	7.85	9.65	6315488	6512218	3.12
Aroclor-1260 {2}	9.16	8.26	10.06	7298547	7041670	3.52
Aroclor-1260 {3}	10.36	9.47	11.27	5040054	4719439	6.36
Aroclor-1260 {4}	10.86	9.98	11.78	10029157	8774073	12.51
Aroclor-1260 {5}	11.46	10.58	12.38	8122975	7045256	13.27
					Average %D	8.76

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** 12.50

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKA120726-07	07/31/2012	20:06	2.82		12.11		2.91		12.50	
TWP-1	07327-001	07/31/2012	20:23	2.83		12.11		2.92		12.50	
EFFLUENT	07216-001	07/31/2012	20:40	2.82		12.11		2.92		12.50	
ORD-V12-18	07349-001	07/31/2012	20:58	2.82		12.11		2.91		12.50	
PLA-V12-19	07438-001	07/31/2012	21:15	2.82		12.11		2.92		12.50	
EO-V12-189	07439-001	07/31/2012	21:32	2.82		12.11		2.92		12.50	
SUM-V12-19	07440-001	07/31/2012	21:49	2.83		12.11		2.92		12.50	
FB-18	07371-060	07/31/2012	22:06	2.82		12.11		2.91		12.50	
FB-19	07431-066	07/31/2012	22:23	2.82		12.11		2.91		12.50	
PCB	07216-001MS	07/31/2012	22:41	2.82		12.11		2.91		12.50	
PCB	07216-001MSD	07/31/2012	22:58	2.82		12.11		2.91		12.50	
PCB	LCSA120726-07	07/31/2012	23:15	2.82		12.10		2.91		12.50	

Surrogate QC Limits

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

DCB = Decachlorobiphenyl (± 0.10 Minutes)

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

PCB RETENTION TIME SHIFT SUMMARY

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

Surrogate RT from initial calibration :

TCMX 1 3.48 **DCB 1** 13.10 **TCMX 2** 3.39 **DCB 2** 13.18

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKA120806-13	08/08/2012	20:05	3.48		13.10		3.39		13.18	
FB-23	07662-043	08/08/2012	20:22	3.48		13.10		3.39		13.18	
FB-24	07685-047	08/08/2012	20:40	3.48		13.10		3.39		13.18	
EO-V12-193	07704-001	08/08/2012	20:57	3.48		13.10		3.39		13.18	
PCB	LCSA120806-13	08/08/2012	21:15	3.48		13.10		3.39		13.18	

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	3.38	DCB 2	13.17

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS120802-16	08/15/2012	10:27	3.47		13.10		3.38		13.17	
R-10_(0-2.	07685-001	08/15/2012	10:45	3.47		13.10		3.38		13.17	
R-10_(2.0-	07685-002	08/15/2012	11:02	3.47		13.10		3.38		13.18	
R-10_(4.25	07685-003	08/15/2012	11:20	3.47		13.10		3.38		13.17	
R-10_(5.25	07685-004	08/15/2012	11:37	3.47		13.10		3.38		13.17	
S-10_(0-2.	07685-005	08/15/2012	11:55	3.47		13.10		3.38		13.15	
S-10_(2.0-	07685-006	08/15/2012	12:12	3.47		13.10		3.38		13.15	
S-10_(4.0-	07685-007	08/15/2012	12:30	3.47		13.10		3.38		13.18	
S-10_(6.0-	07685-008	08/15/2012	12:47	3.47		13.10		3.39		13.17	
T-10_(0-2.	07685-009	08/15/2012	13:04	3.48		13.10		3.39		13.17	
T-10_(6.0-	07685-012	08/15/2012	13:57	3.47		13.10		3.39		13.18	M
T-9_(0-2.0	07685-013	08/15/2012	14:14	3.47		13.10		3.39		13.15	
T-9_(4.0-5	07685-015	08/15/2012	14:49	3.48		13.10		3.39		13.18	
T-9_(5.0-6	07685-016	08/15/2012	15:07	3.47		13.10		3.39		13.17	
S-9_(4.0-4	07685-019	08/15/2012	15:59	3.48		13.10		3.39		13.18	
S-9_(4.75-	07685-020	08/15/2012	16:17	3.47		13.10		3.39		13.17	
PCB	07685-020MS	08/15/2012	16:34	3.47		13.10		3.39		13.17	
PCB	07685-020MSD	08/15/2012	16:52	3.47		13.10		3.39		13.18	
T-10_(2.0-	07685-010	08/15/2012	20:23	3.48		13.11	M	3.39		13.19	
T-10_(4.0-	07685-011	08/15/2012	20:41	3.47		13.10		3.39		13.18	
T-9_(2.0-4	07685-014	08/15/2012	20:58	3.47		13.10		3.39		13.17	
S-9_(0-2.0	07685-017	08/15/2012	21:16	3.47		13.10		3.39		13.17	
S-9_(2.0-4	07685-018	08/15/2012	21:33	3.48		13.10		3.38		13.17	
PCB	LCSS120802-16	08/21/2012	10:11	3.49		13.10		3.40		13.17	

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** 12.49

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS120807-05	08/15/2012	03:55	2.82		12.11		2.91		12.49	
TW4-S1	06750-001	08/15/2012	04:12	2.82		12.10		2.91		12.49	
Q-10_(0-2.	07662-039	08/15/2012	04:47	2.82		12.10		2.91		12.49	
Q-10_(2.0-	07662-040	08/15/2012	05:04	2.82		12.10		2.91		12.49	
Q-10_(4.0-	07662-041	08/15/2012	05:21	2.82		12.10		2.91		12.49	
Q-10_(4.75	07662-042	08/15/2012	05:38	2.82		12.10		2.91		12.49	
R-9_(0-2.0	07685-021	08/15/2012	05:55	2.82		12.10		2.91		12.49	
R-9_(2.0-4	07685-022	08/15/2012	06:13	2.82		12.10		2.91		12.49	
R-9_(4.0-5	07685-023	08/15/2012	06:30	2.82		12.10		2.91		12.49	
R-9_(5.25-	07685-024	08/15/2012	06:47	2.82		12.10		2.91		12.49	
R-9_(6.0-8	07685-025	08/15/2012	07:04	2.82		12.11		2.91		12.49	
Q-9_(0-2.0	07685-026	08/15/2012	07:21	2.82		12.10		2.91		12.49	
Q-9_(2.0-4	07685-027	08/15/2012	07:39	2.82		12.09		2.91		12.49	
Q-9_(4.0-5	07685-028	08/15/2012	07:56	2.82		12.11		2.91		12.49	
Q-9_(5.0-6	07685-029	08/15/2012	08:13	2.82		12.10		2.91		12.49	
Q-9_(6.0-8	07685-030	08/15/2012	08:30	2.82		12.10		2.91		12.49	
P-8_(0-2.0	07685-031	08/15/2012	08:47	2.82		12.10		2.91		12.49	
P-8_(2.0-4	07685-032	08/15/2012	09:05	2.82		12.10		2.91		12.49	
P-8_(4.0-5	07685-033	08/15/2012	09:22	2.82		12.10		2.91		12.49	
P-8_(5.0-6	07685-034	08/15/2012	09:39	2.82		12.10		2.91		12.49	
PCB	07685-034MS	08/15/2012	09:56	2.82		12.10		2.91		12.49	
PCB	07685-034MSD	08/15/2012	10:13	2.82		12.10		2.91		12.49	
PCB	LCSS120807-05	08/15/2012	10:30	2.82		12.10		2.91		12.49	
Q-12_(4.0-	07662-038	08/15/2012	18:26	2.82		12.10		2.91		12.49	

Surrogate QC Limits

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

DCB = Decachlorobiphenyl (± 0.10 Minutes)

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

PCB RETENTION TIME SHIFT SUMMARY

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

Surrogate RT from initial calibration :

TCMX 1 3.47 **DCB 1** 13.10 **TCMX 2** 3.39 **DCB 2** 13.17

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS120808-07	08/15/2012	22:43	3.47		13.10		3.39		13.17	
Q-8_(0-2.0	07685-035	08/15/2012	23:00	3.47		13.10		3.38		13.17	
Q-8_(2.0-4	07685-036	08/15/2012	23:18	3.47		13.10		3.39		13.17	
Q-8_(4.5-6	07685-038	08/15/2012	23:52	3.47		13.10		3.39		13.17	
R-8_(0-2.0	07685-039	08/16/2012	00:10	3.47		13.11		3.39		13.18	
R-8_(2.0-4	07685-040	08/16/2012	00:27	3.47		13.10		3.38		13.17	
R-8_(4.0-5	07685-041	08/16/2012	00:45	3.47		13.10		3.38		13.17	
R-8_(5.0-6	07685-042	08/16/2012	01:02	3.47		13.10		3.39		13.17	
S-8_(2.0-3	07685-044	08/16/2012	01:37	3.47		13.10		3.38		13.17	
S-8_(3.25-	07685-045	08/16/2012	01:54	3.47		13.10		3.38		13.17	
S-8_(4.0-6	07685-046	08/16/2012	02:11	3.47		13.10		3.39		13.17	
T-7_(0-2.0	07954-032	08/16/2012	02:29	3.47		13.10		3.39		13.17	
T-7_(2.0-4	07954-033	08/16/2012	02:46	3.48		13.10		3.39		13.17	
T-7_(4.0-4	07954-034	08/16/2012	03:04	3.47		13.10		3.39		13.17	
T-7_(4.25-	07954-035	08/16/2012	03:21	3.47		13.10		3.39		13.17	
S-7_(0-2.0	07954-036	08/16/2012	03:39	3.47		13.10		3.38		13.17	
S-7_(2.0-4	07954-037	08/16/2012	03:56	3.47		13.10		3.39		13.17	
S-7_(4.25-	07954-038	08/16/2012	04:13	3.47		13.10		3.38		13.17	
S-7_(5.0-6	07954-039	08/16/2012	04:31	3.47		13.10		3.38		13.17	
PCB	07685-035MS	08/16/2012	04:48	3.47		13.10		3.38		13.17	
PCB	07685-035MSD	08/16/2012	05:06	3.49		13.10		3.40		13.17	
PCB	LCSS120808-07	08/16/2012	05:23	3.48		13.10		3.39		13.17	
S-8_(0-2.0	07685-043	08/17/2012	20:29	3.47		13.10		3.38		13.17	
Q-8_(4.0-4	07685-037	08/21/2012	12:01	3.47		13.11		3.40		13.18	

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\08-14-12\
Data File : R2975.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 10:45
Operator : YG
Sample : R-10_(0-2.,07685-001,S,5.33g,15.7,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:24:49 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	31861.2E6	28986.5E6	185.436	201.365
Spiked Amount 200.000			Recovery	=	92.72%	100.68%
2) S DCB	13.10	13.17	7948.9E6	6974.7E6	136.172	174.124 #
Spiked Amount 200.000			Recovery	=	68.09%	87.06%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.30	5.69	856.6E6	633.9E6	112.456	113.513m
24) L6 Aroclor-1248 {2}	5.86	6.29	348.3E6	969.0E6	81.194	121.342m#
25) L6 Aroclor-1248 {3}	6.20	6.70	540.2E6	604.2E6	98.345	101.241m
26) L6 Aroclor-1248 {4}	6.92	6.85	1197.2E6	460.1E6	140.517	90.107m#
27) L6 Aroclor-1248 {5}	7.21	7.20	1881.6E6	948.4E6	262.837	328.405m
Sum Aroclor-1248			4824.0E6	3615.6E6	695.349	754.609
Average Aroclor-1248					139.070	150.922
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

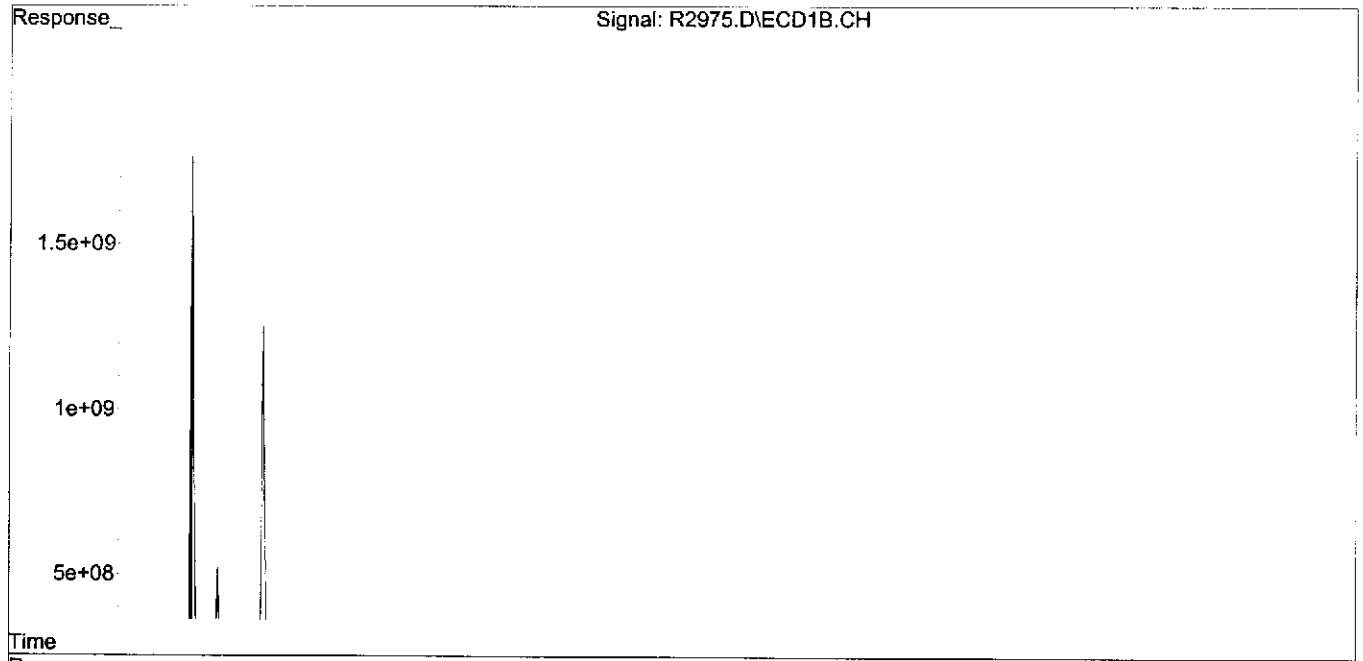
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

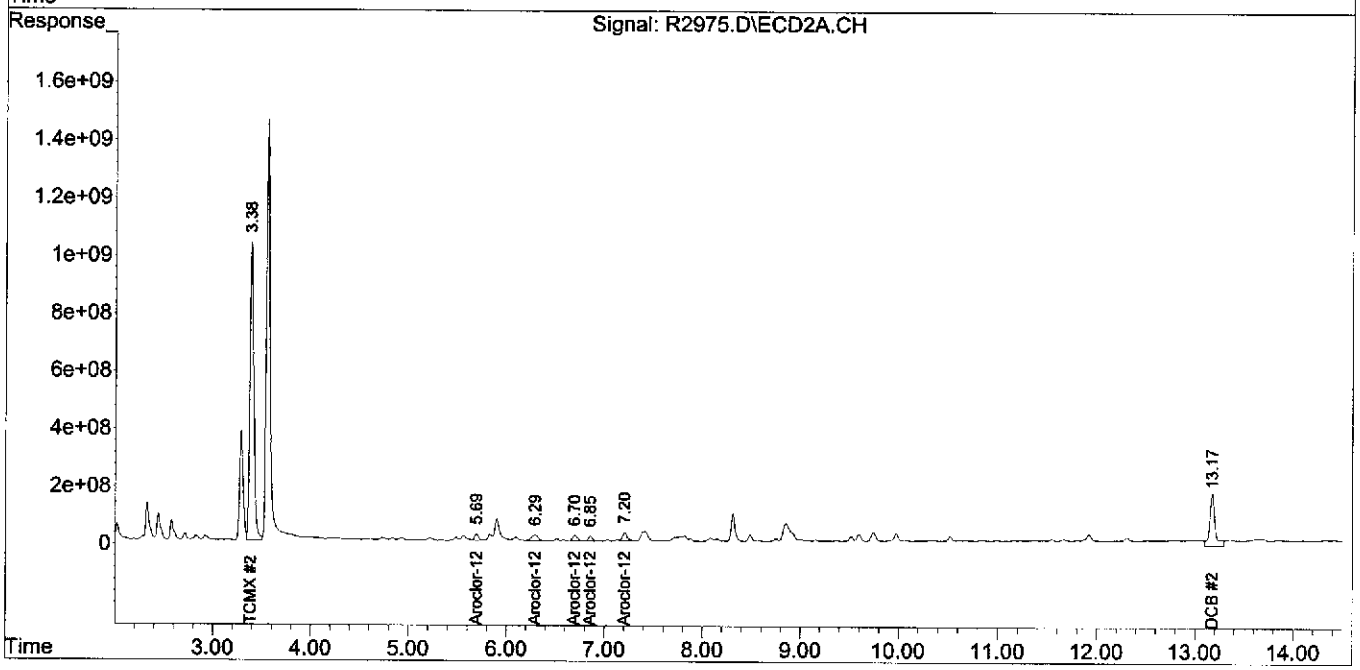
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2975.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 10:45
Operator : YG
Sample : R-10_(0-2.,07685-001,S,5.33g,15.7,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 47 Sample Multiplier: 1

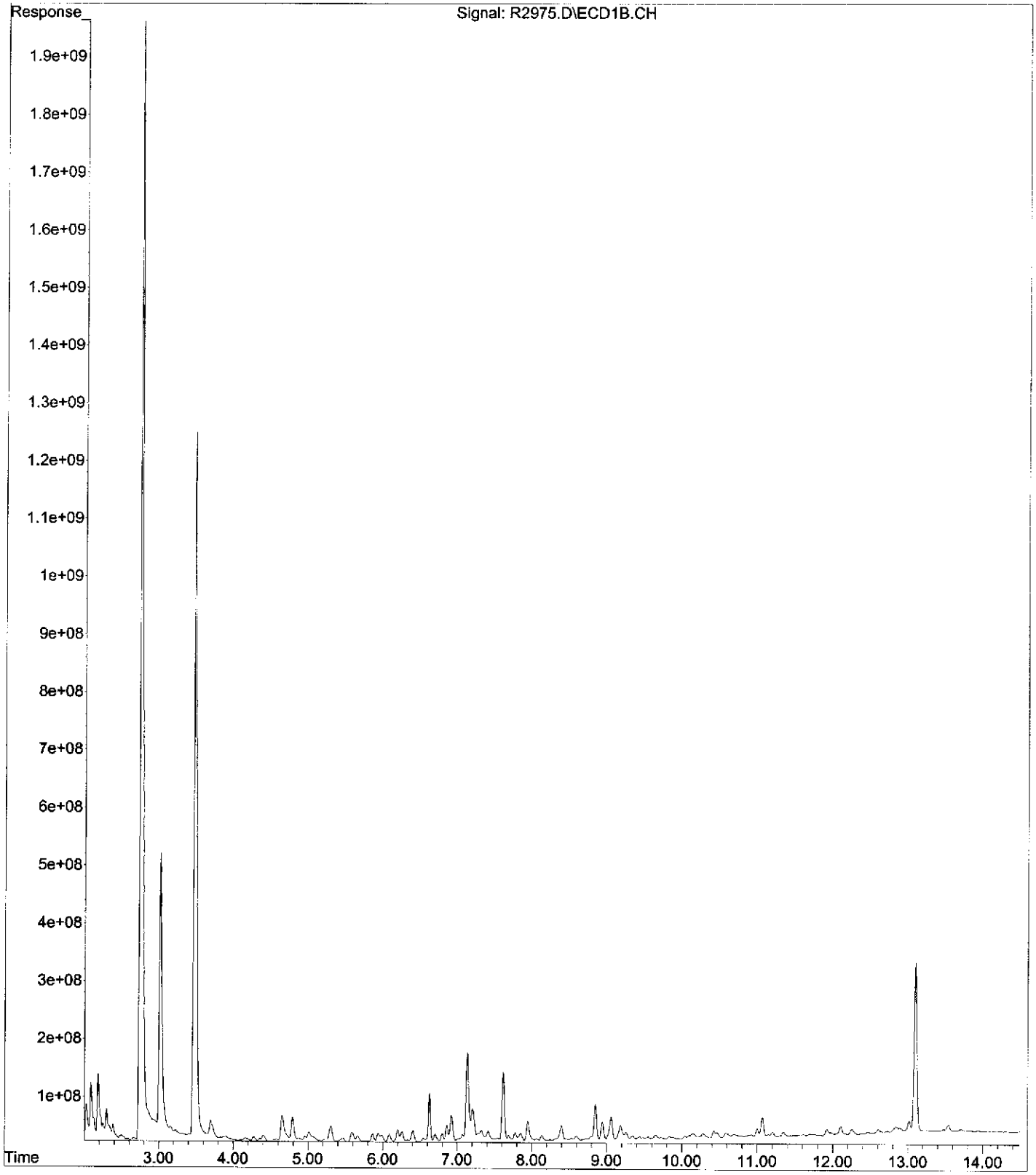
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:24:49 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





File :C:\MSDCHEM\1\DATA\08-14-12\R2975.D
Operator : YG
Acquired : 15 Aug 2012 10:45 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: R-10_(0-2.,07685-001,S,5.33g,15.7,08/02/12,4
Misc Info : 120802-16,07/31/12,07/31/12,1
Vial Number: 47



Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2976.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 11:02
Operator : YG
Sample : R-10_(2.0-,07685-002,S,5.57g,17.0,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:26:42 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	26336.9E6	29927.1E6	153.284	207.899 #
Spiked Amount 200.000			Recovery	=	76.64%	103.95%
2) S DCB	13.10	13.18	6588.9E6	3949.0E6	112.873m	98.587m
Spiked Amount 200.000			Recovery	=	56.44%	49.29%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

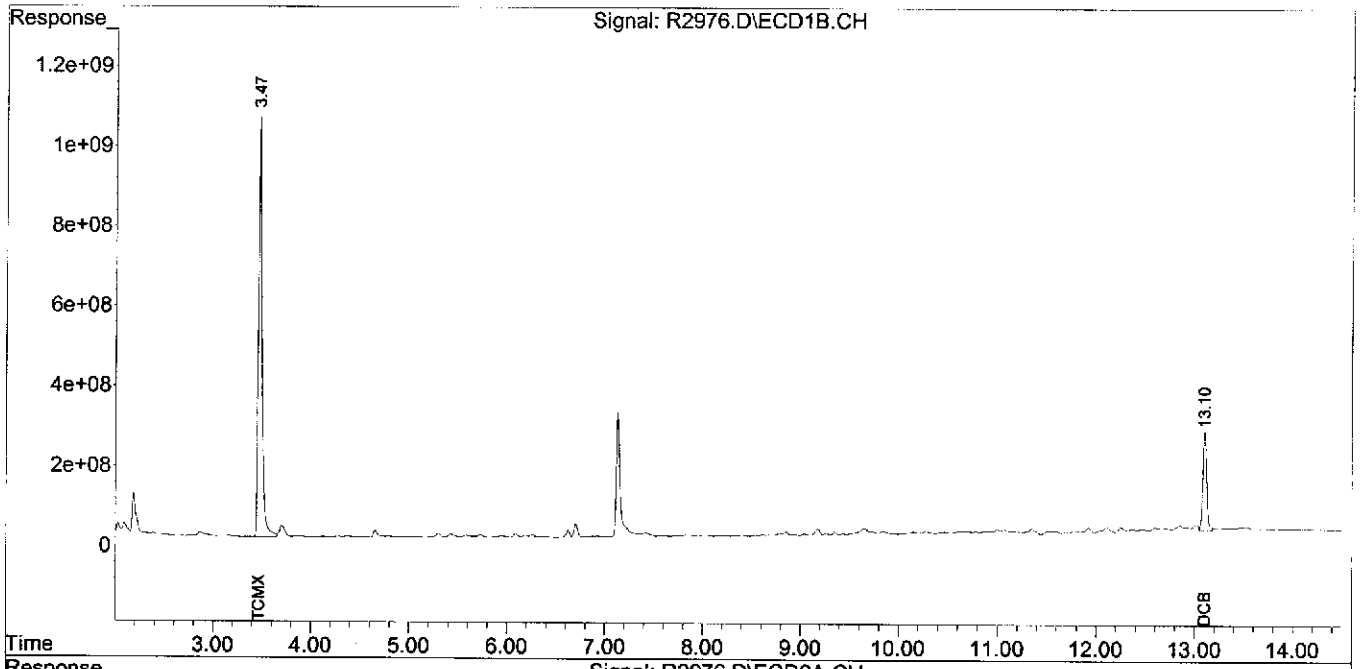
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

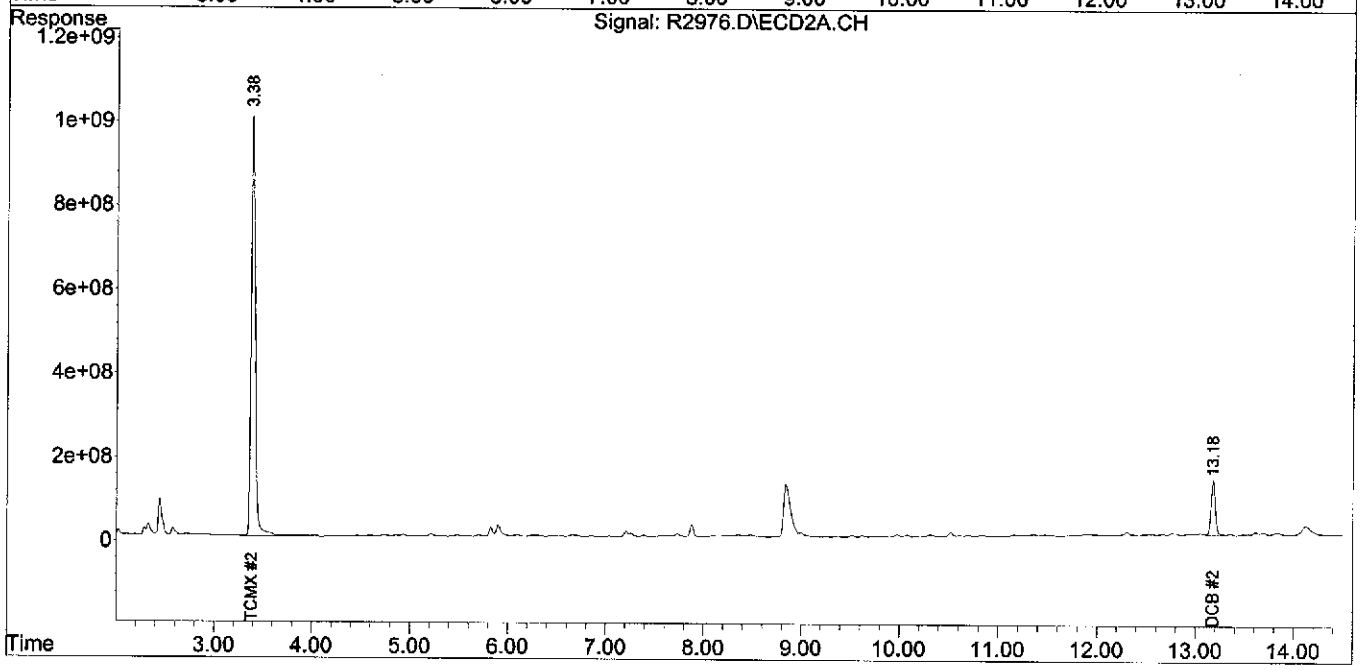
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2976.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 11:02
Operator : YG
Sample : R-10_(2.0-,07685-002,S,5.57g,17.0,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:26:42 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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\08-14-12\
Data File : R2977.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 11:20
Operator : YG
Sample : R-10_(4.25,07685-003,S,5.00g,62.8,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:27:19 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	32937.0E6	35097.7E6	191.697	243.818 #
Spiked Amount 200.000			Recovery	=	95.85%	121.91%
2) S DCB	13.10	13.17	8876.7E6	5787.3E6	152.065m	144.480m
Spiked Amount 200.000			Recovery	=	76.03%	72.24%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

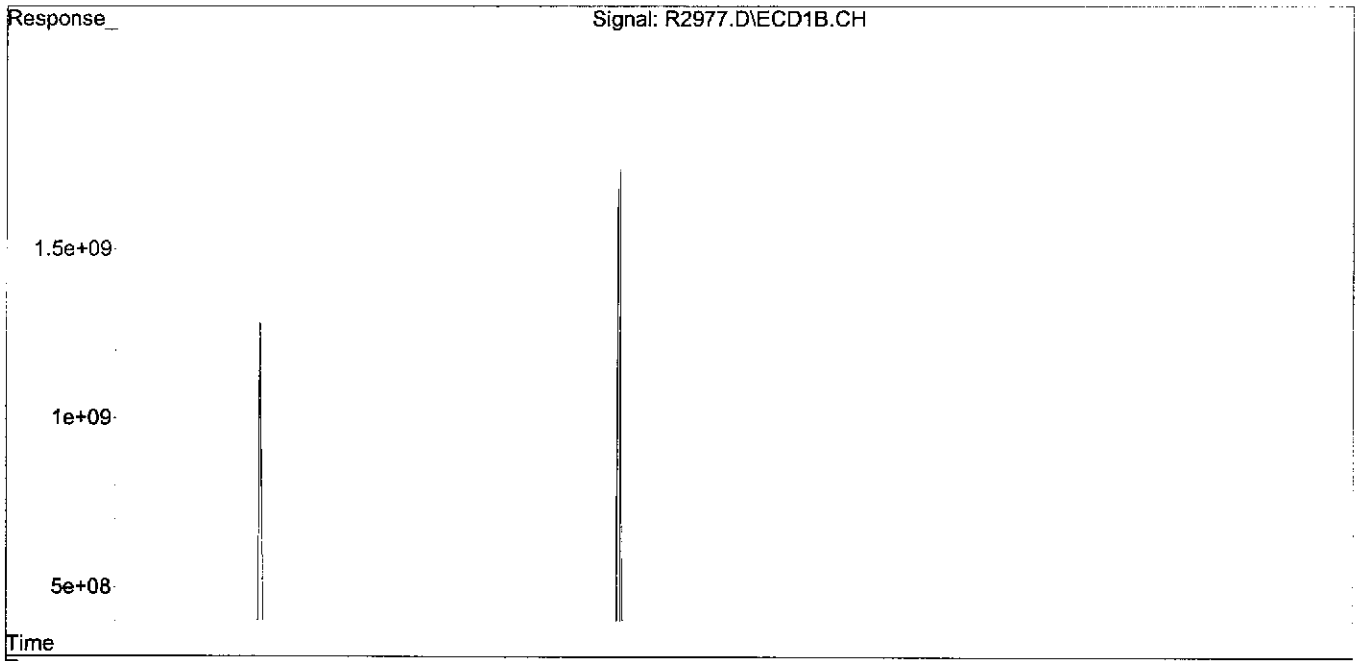
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

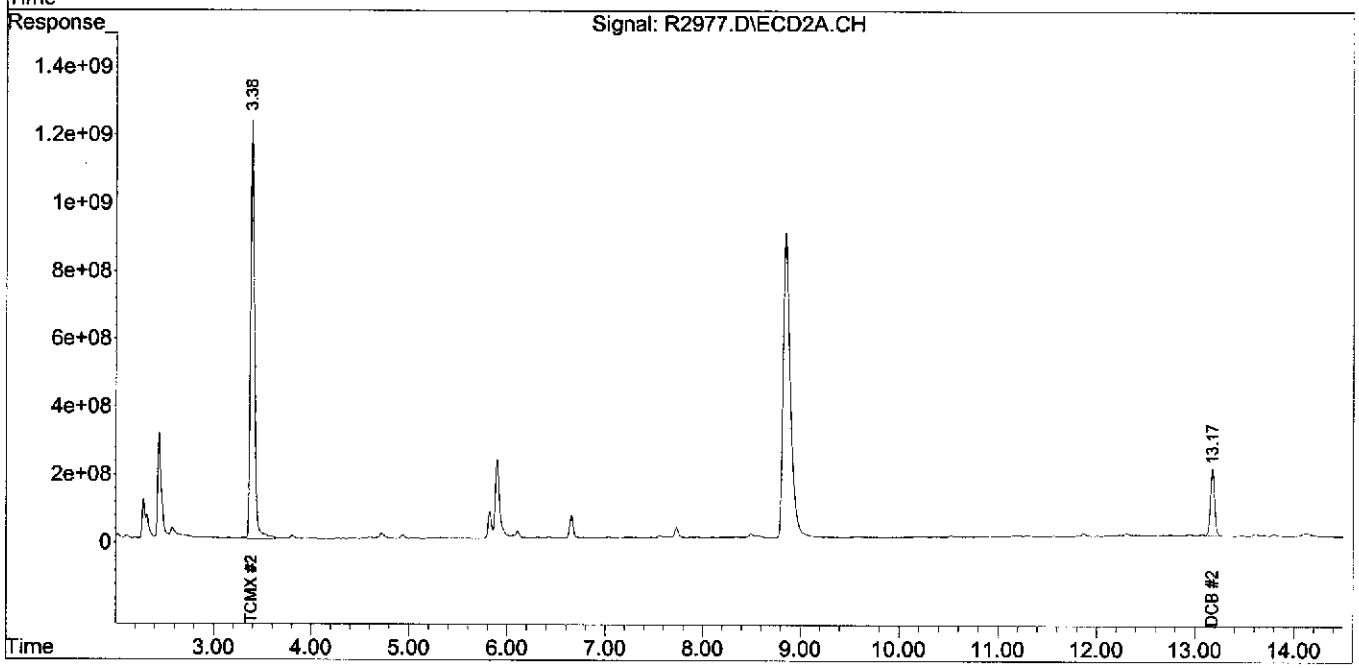
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2977.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 11:20
Operator : YG
Sample : R-10_(4.25,07685-003,S,5.00g,62.8,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 49 Sample Multiplier: 1

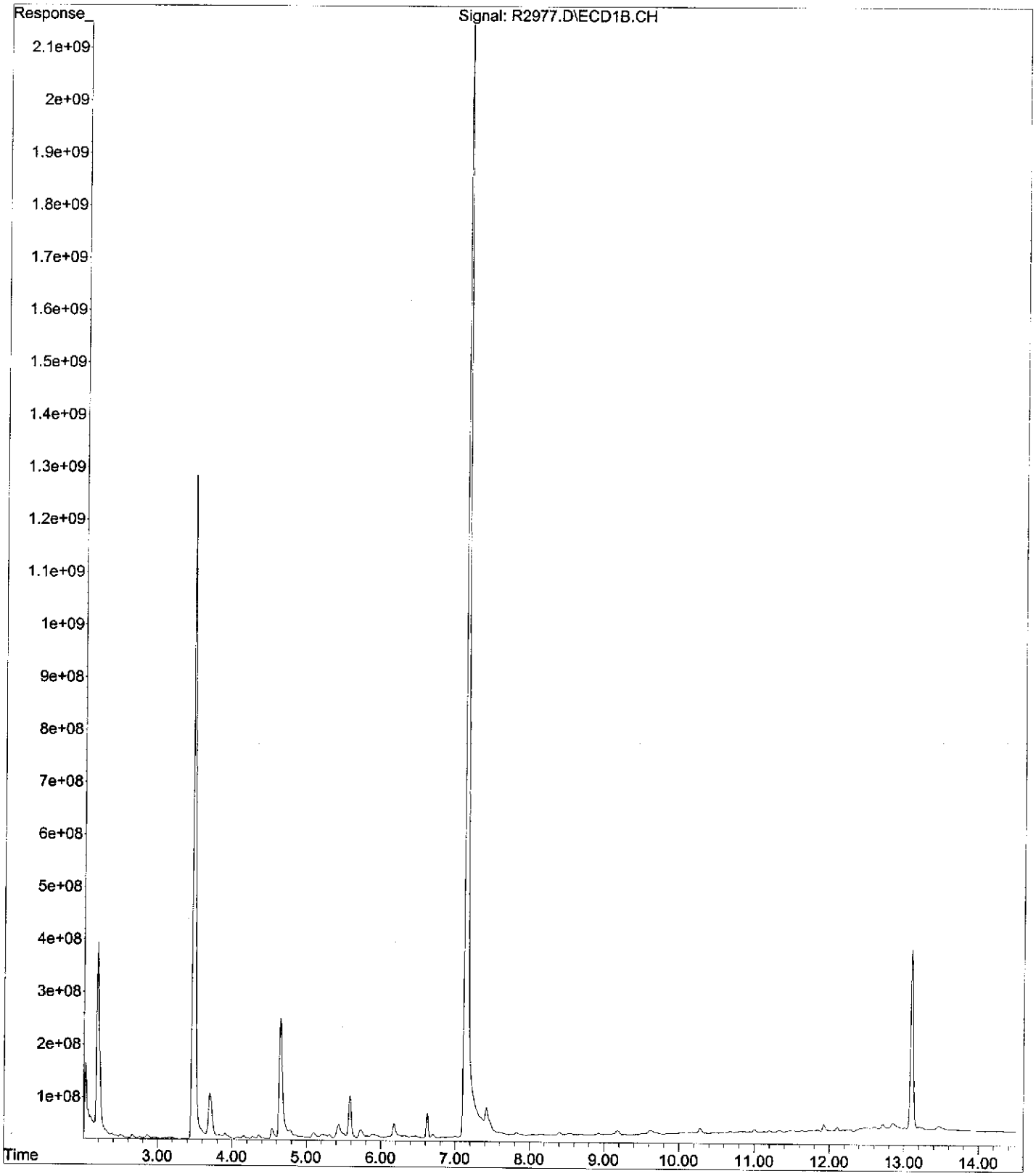
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:27:19 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





File :C:\MSDChem\1\DATA\08-14-12\R2977.D
Operator : YG
Acquired : 15 Aug 2012 11:20 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: R-10_(4.25,07685-003,S,5.00g,62.8,08/02/12,4
Misc Info : 120802-16,07/31/12,07/31/12,1
Vial Number: 49



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2978.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 11:37
Operator : YG
Sample : R-10_(5.25,07685-004,S,5.08g,21.6,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:27:45 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	34927.6E6	30050.5E6	203.283	208.756
Spiked Amount 200.000			Recovery	=	101.64%	104.38%
2) S DCB	13.10	13.17	7286.9E6	4761.9E6	124.831m	118.880m
Spiked Amount 200.000			Recovery	=	62.42%	59.44%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

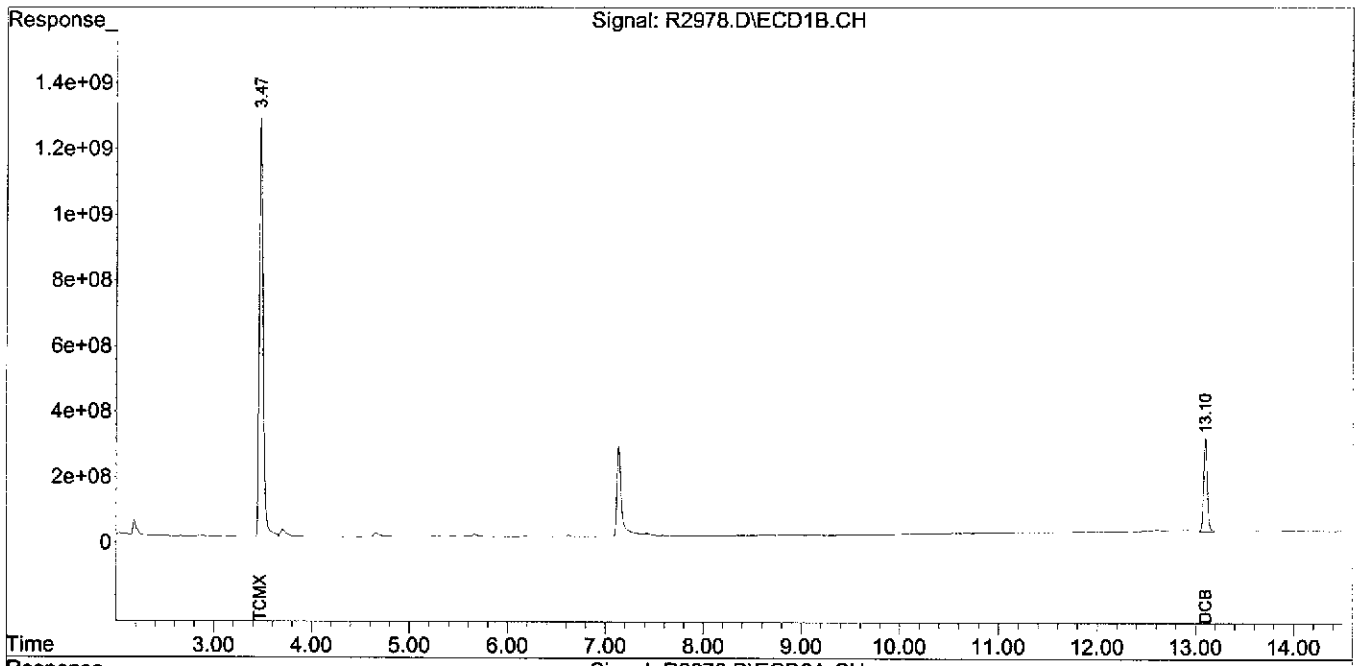
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

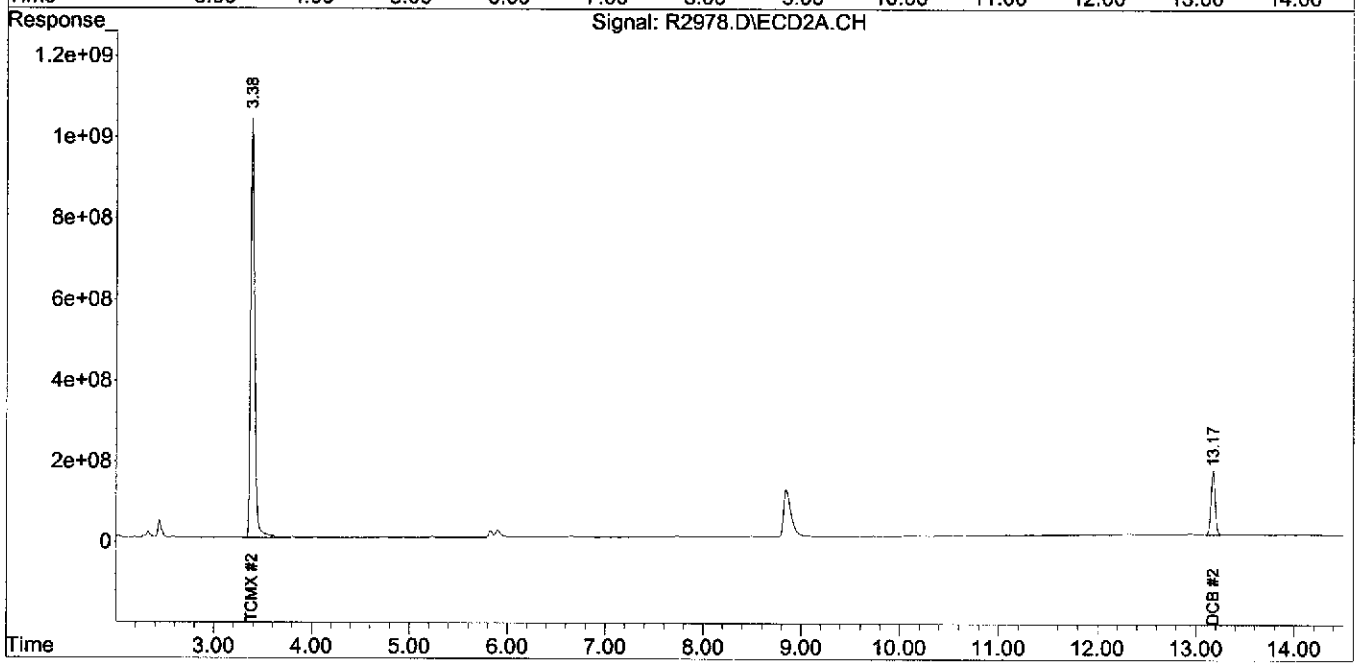
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2978.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 11:37
Operator : YG
Sample : R-10_(5.25,07685-004,S,5.08g,21.6,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:27:45 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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\08-14-12\
Data File : R2979.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 11:55
Operator : YG
Sample : S-10_(0-2.,07685-005,S,5.37g,9.20,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:32:02 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	22607.3E6	23072.5E6	131.577	160.282
Spiked Amount 200.000			Recovery	=	65.79%	80.14%
2) S DCB	13.10	13.15	6959.7E6	12192.1E6	119.225m	304.378m#
Spiked Amount 200.000			Recovery	=	59.61%	152.19%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.30	5.70	14403.0E6	10206.3E6	1890.831m	1827.568m
24) L6 Aroclor-1248 {2}	5.86	6.30	7754.1E6	14909.7E6	1807.504	1867.127
25) L6 Aroclor-1248 {3}	6.20	6.70	10001.6E6	10943.7E6	1820.787	1833.656m
26) L6 Aroclor-1248 {4}	6.92	6.87	14865.5E6	5781.8E6	1744.734m	1132.328m#
Sum Aroclor-1248			47024.2E6	41841.5E6	7263.856	6660.679
Average Aroclor-1248					1815.964	1665.170
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

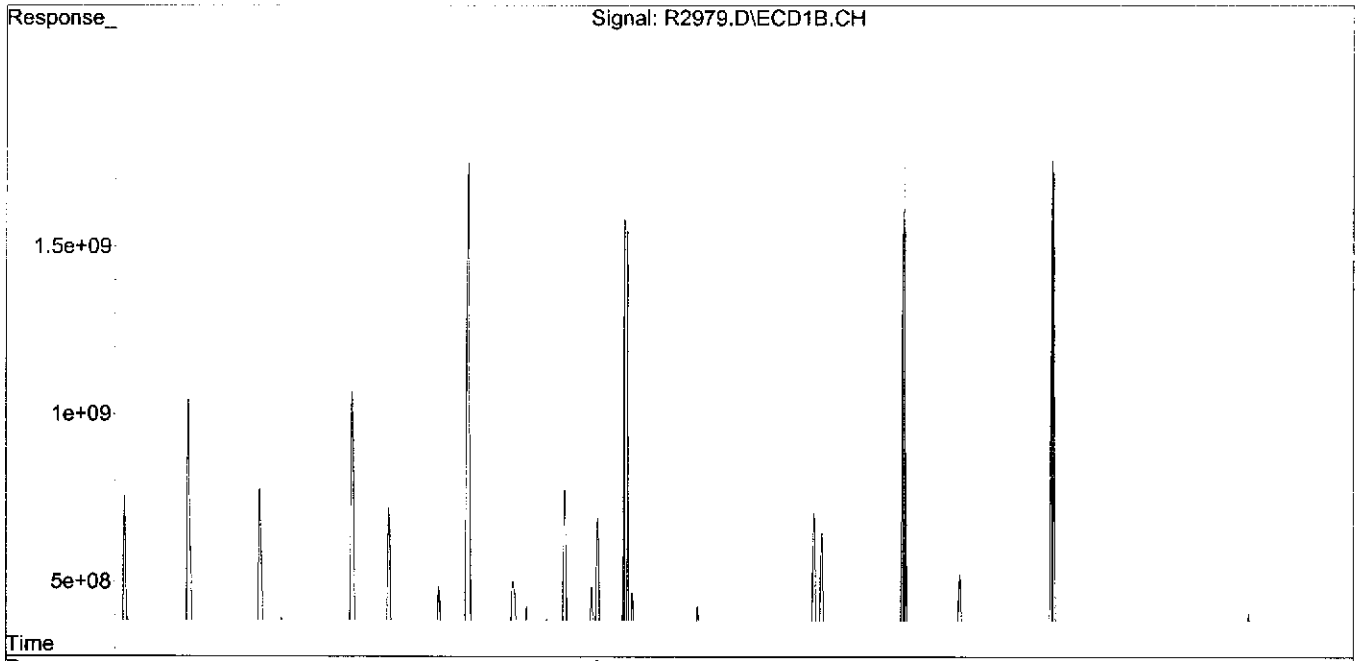
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

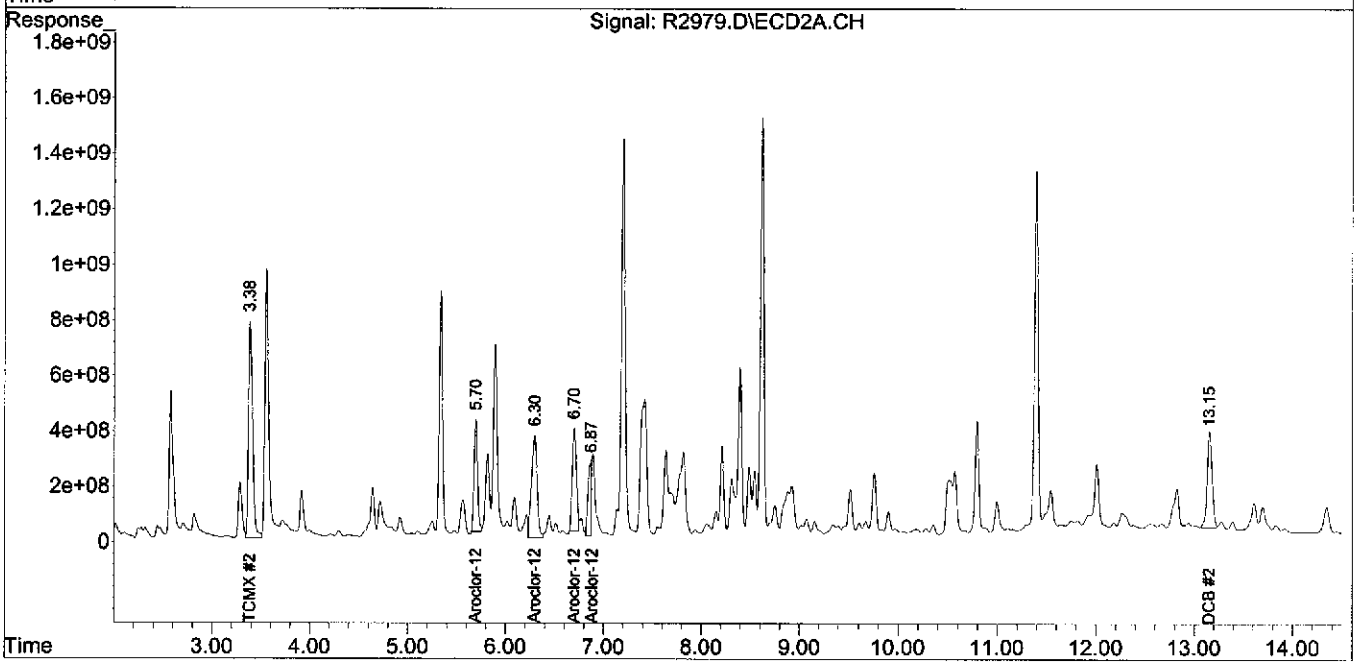
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2979.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 11:55
Operator : YG
Sample : S-10_(0-2.,07685-005,S,5.37g,9.20,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 51 Sample Multiplier: 1

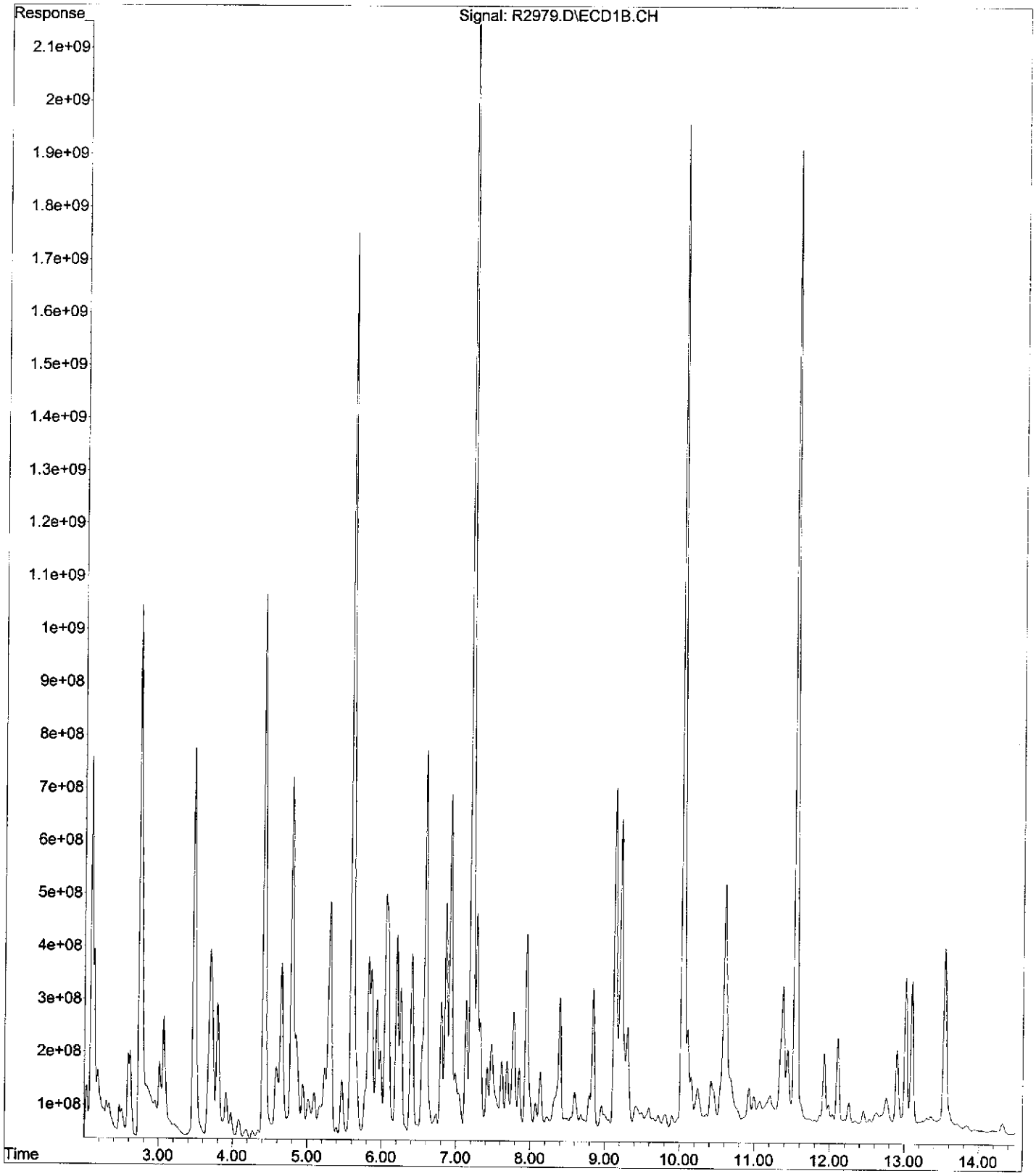
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:32:02 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





File :C:\MSDChem\1\DATA\08-14-12\R2979.D
Operator : YG
Acquired : 15 Aug 2012 11:55 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: S-10_(0-2.,07685-005,S,5.37g,9.20,08/02/12,4
Misc Info : 120802-16,07/31/12,07/31/12,1
Vial Number: 51



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2980.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 12:12
Operator : YG
Sample : S-10_(2.0-,07685-006,S,5.71g,14.9,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:34:21 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	20257.3E6	20746.0E6	117.900	144.120
Spiked Amount 200.000			Recovery	=	58.95%	72.06%
2) S DCB	13.10	13.15	7557.1E6	12096.5E6	129.460m	301.990m#
Spiked Amount 200.000			Recovery	=	64.73%	151.00%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.29	5.69	9302.6E6	6783.7E6	1221.250m	1214.697
24) L6 Aroclor-1248 {2}	5.85	6.30	4281.2E6	6684.3E6	997.946m	837.069
25) L6 Aroclor-1248 {3}	6.19	6.70	6711.0E6	3665.9E6	1221.728	614.242m#
26) L6 Aroclor-1248 {4}	6.92	6.89	6576.0E6	9226.8E6	771.817	1807.022m#
Sum Aroclor-1248			26870.8E6	26360.7E6	4212.742	4473.029
Average Aroclor-1248					1053.186	1118.257
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

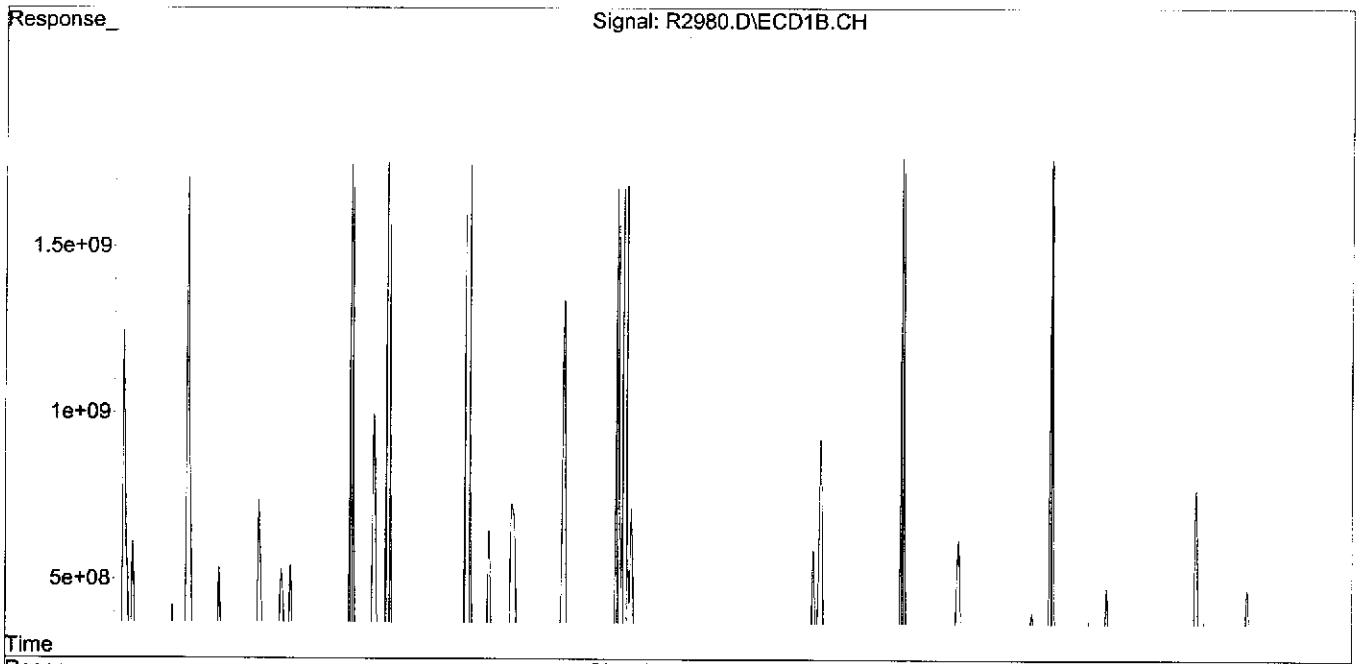
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

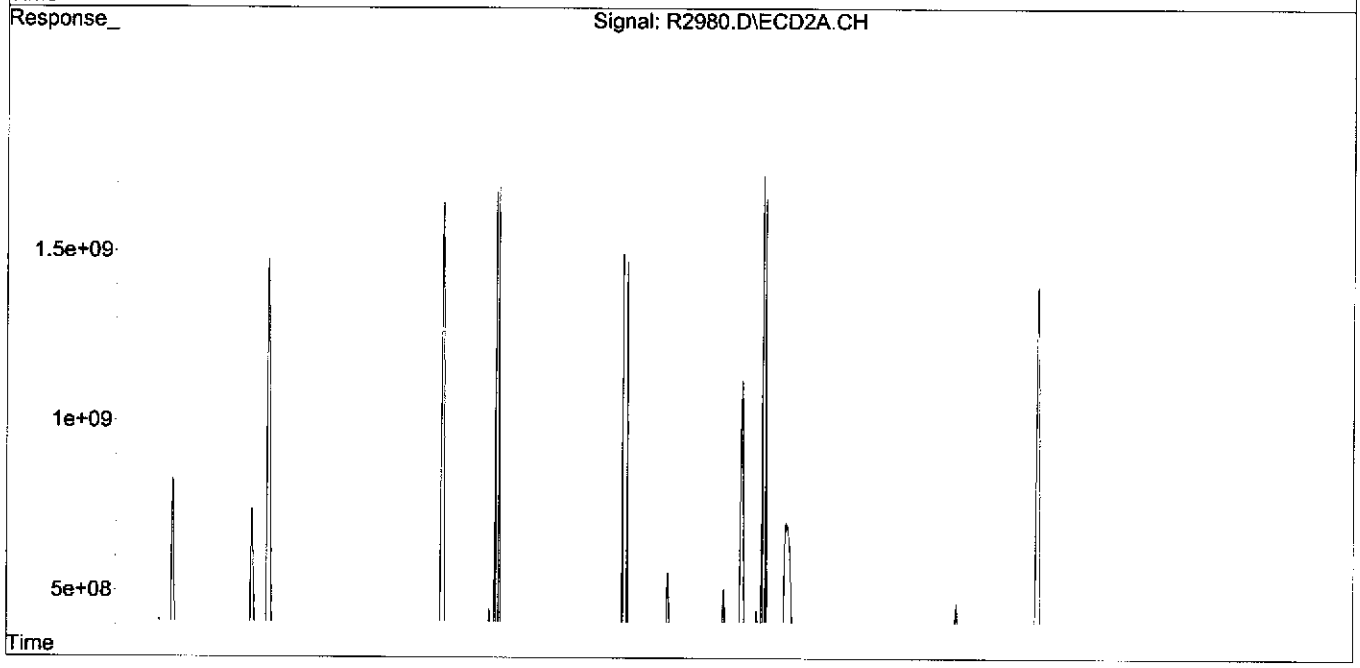
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2980.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 12:12
Operator : YG
Sample : S-10_(2.0-,07685-006,S,5.71g,14.9,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 52 Sample Multiplier: 1

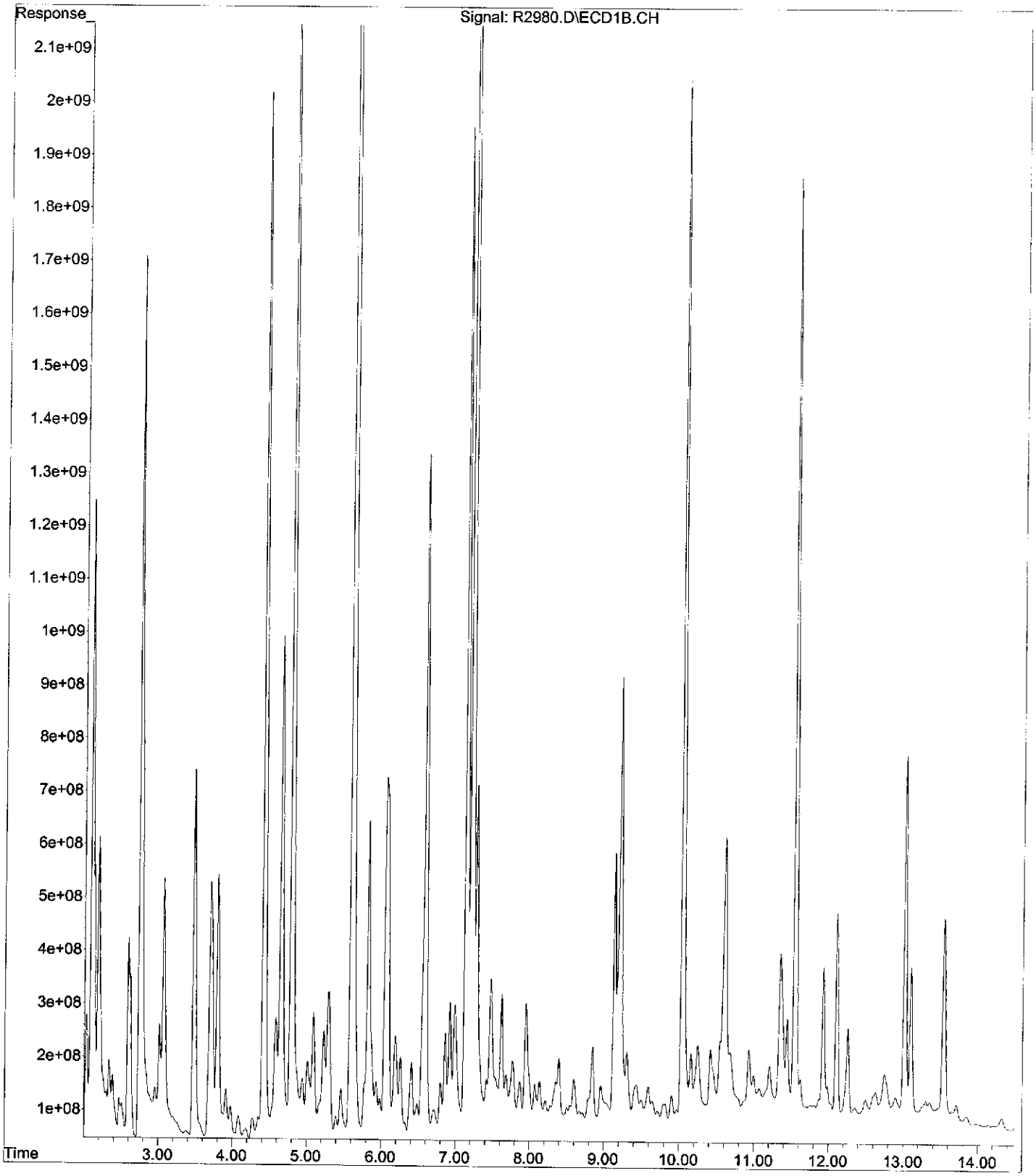
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:34:21 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

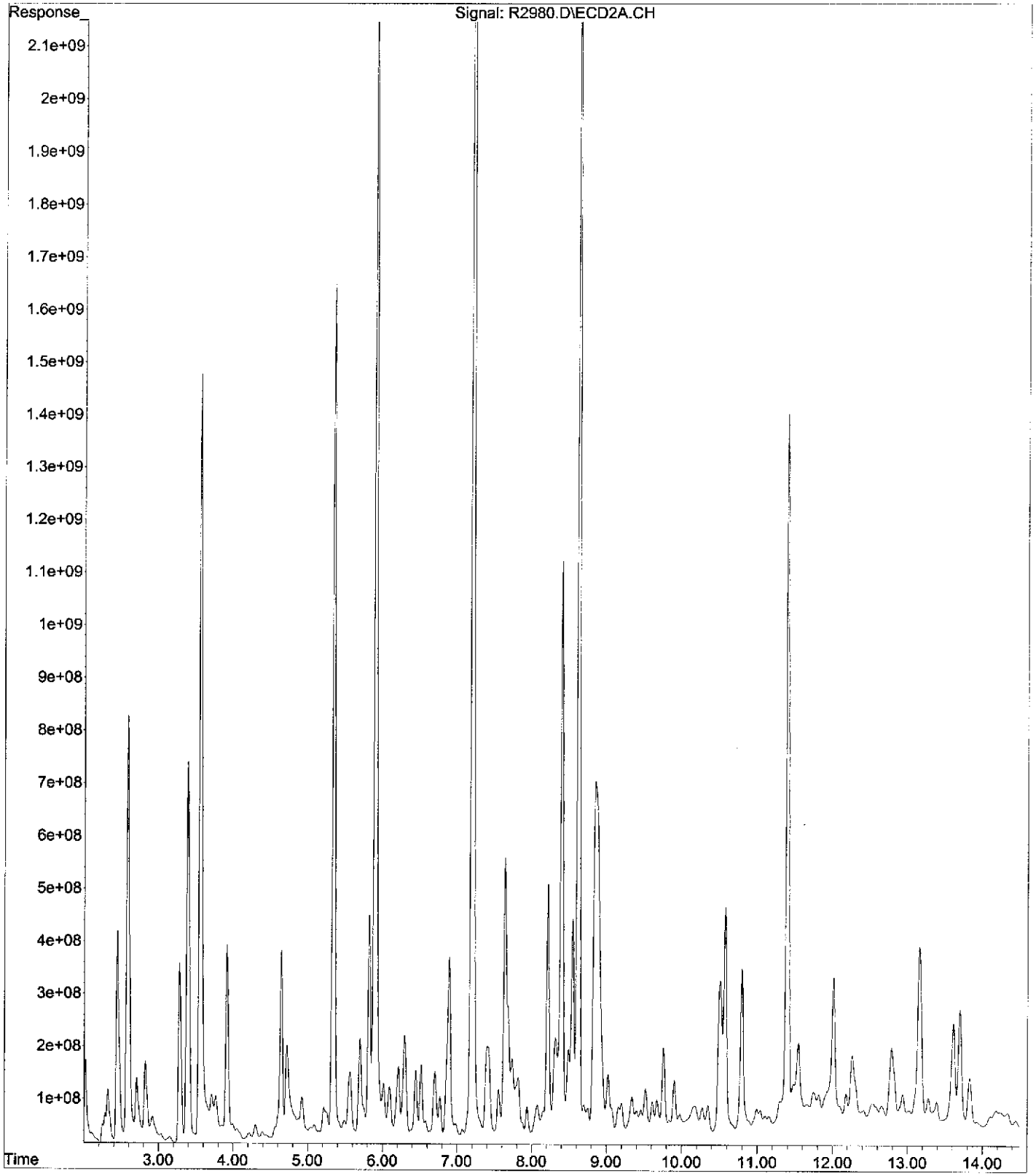




File :C:\MSDChem\1\DATA\08-14-12\R2980.D
Operator : YG
Acquired : 15 Aug 2012 12:12 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: S-10_(2.0-,07685-006,S,5.71g,14.9,08/02/12,4
Misc Info : 120802-16,07/31/12,07/31/12,1
Vial Number: 52



File :C:\MSDChem\1\DATA\08-14-12\R2980.D
Operator : YG
Acquired : 15 Aug 2012 12:12 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: S-10_(2.0-,07685-006,S,5.71g,14.9,08/02/12,4
Misc Info : 120802-16,07/31/12,07/31/12,1
Vial Number: 52



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2981.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 12:30
Operator : YG
Sample : S-10_(4.0-,07685-007,S,5.61g,15.7,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:37:17 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	22197.5E6	26043.6E6	129.192	180.921 #
Spiked Amount 200.000			Recovery	=	64.60%	90.46%
2) S DCB	13.10	13.18	8330.5E6	5113.4E6	142.709m	127.657m
Spiked Amount 200.000			Recovery	=	71.35%	63.83%
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

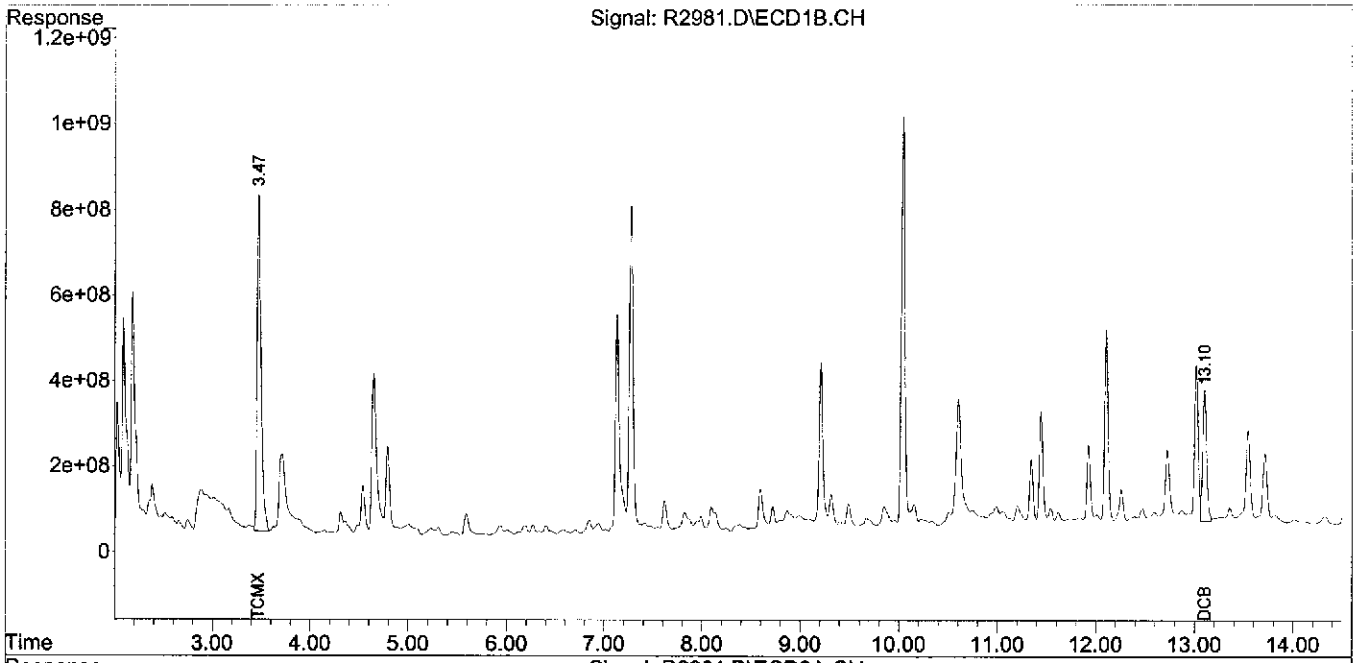
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

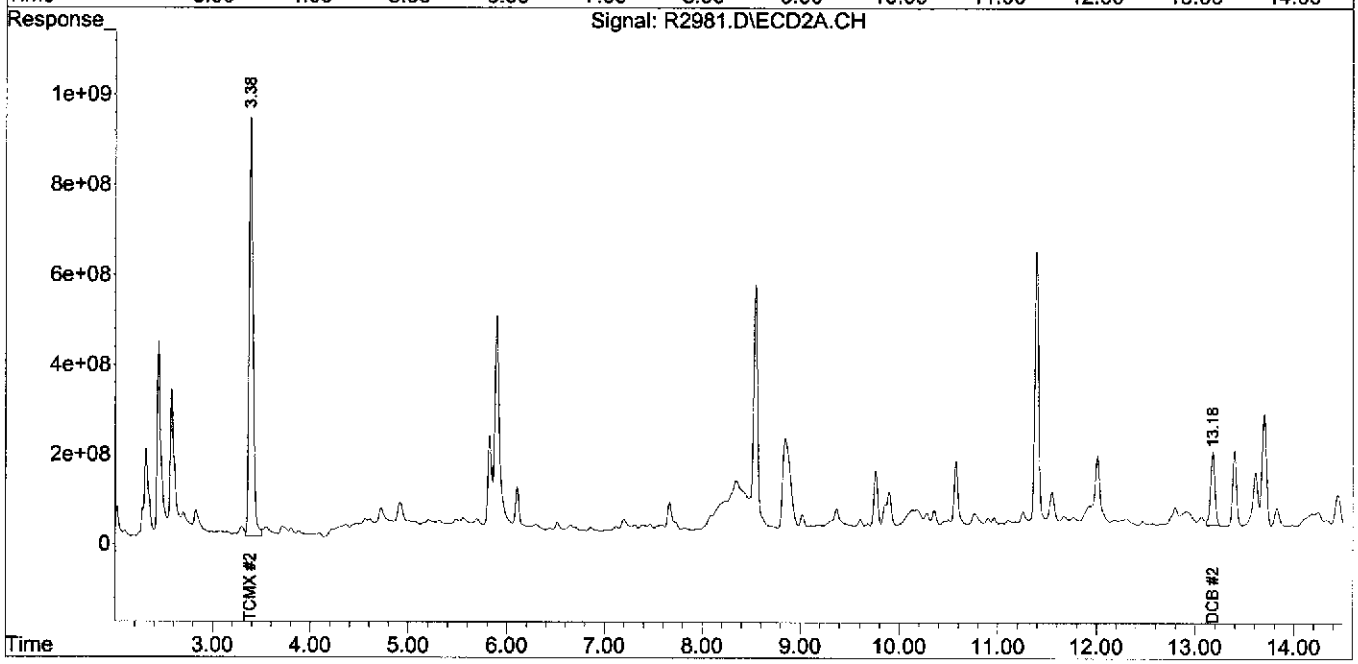
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2981.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 12:30
Operator : YG
Sample : S-10_(4.0-,07685-007,S,5.61g,15.7,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:37:17 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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\08-14-12\
Data File : R2982.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 12:47
Operator : YG
Sample : S-10_(6.0-,07685-008,S,5.57g,24.3,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:37:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	3.39	21145.8E6	29068.6E6	123.071	201.936 #
Spiked Amount 200.000			Recovery	=	61.54%	100.97%
2) S DCB	13.10	13.17	8981.3E6	5591.8E6	153.858m	139.600m
Spiked Amount 200.000			Recovery	=	76.93%	69.80%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

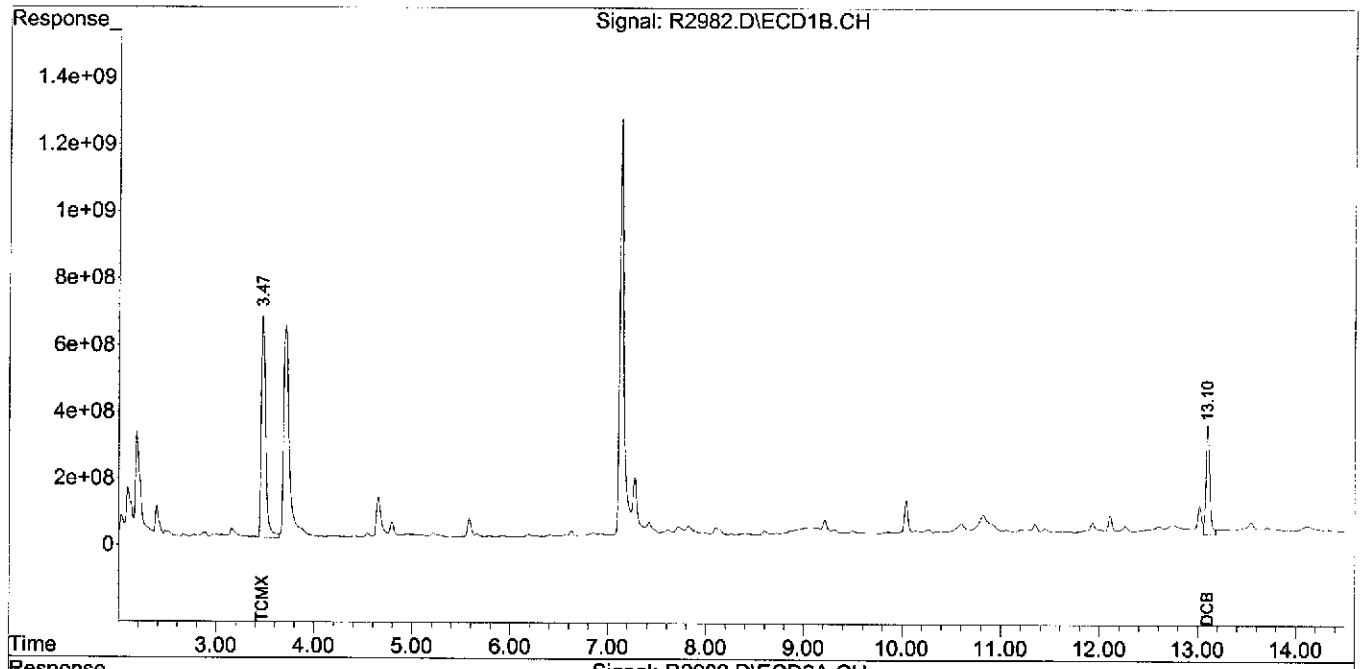
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

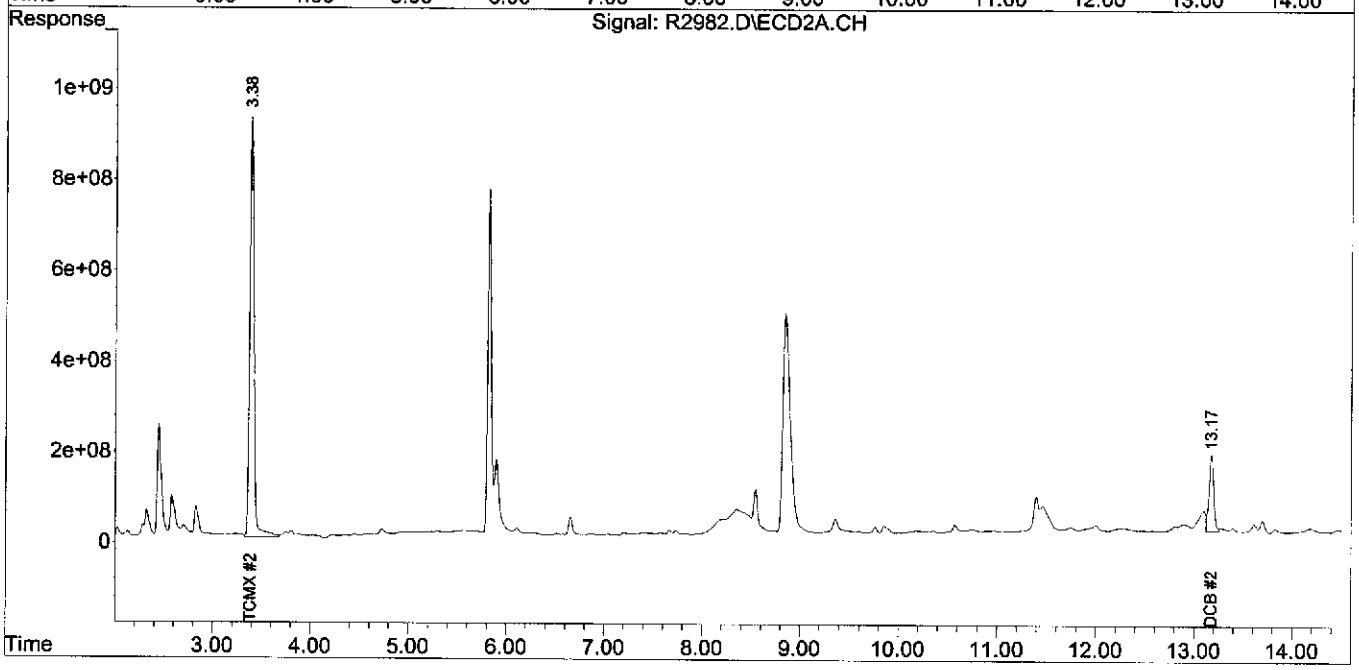
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2982.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 12:47
Operator : YG
Sample : S-10_(6.0-,07685-008,S,5.57g,24.3,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:37:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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\08-14-12\
Data File : R2983.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 13:04
Operator : YG
Sample : T-10_(0-2.,07685-009,S,5.71g,15.7,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,10
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:39:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	4309.7E6	3425.9E6	25.083	23.799
Spiked Amount 200.000			Recovery	=	12.54%	11.90%
2) S DCB	13.10	13.17	1064.0E6	1125.4E6	18.228m	28.096m#
Spiked Amount 200.000			Recovery	=	9.11%	14.05%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.30	5.70	1562.4E6	1025.6E6	205.109	183.652
24) L6 Aroclor-1248 {2}	5.86	6.29	894.9E6	1422.0E6	208.614	178.079
25) L6 Aroclor-1248 {3}	6.20	6.70	1109.5E6	1294.5E6	201.984	216.898
26) L6 Aroclor-1248 {4}	6.92	6.89	2116.0E6	2025.9E6	248.353	396.759 #
27) L6 Aroclor-1248 {5}	7.21	7.21	4882.3E6	768.6E6	681.988m	266.131 #
Sum Aroclor-1248			10565.2E6	6536.6E6	1546.049	1241.520
Average Aroclor-1248					309.210	248.304
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

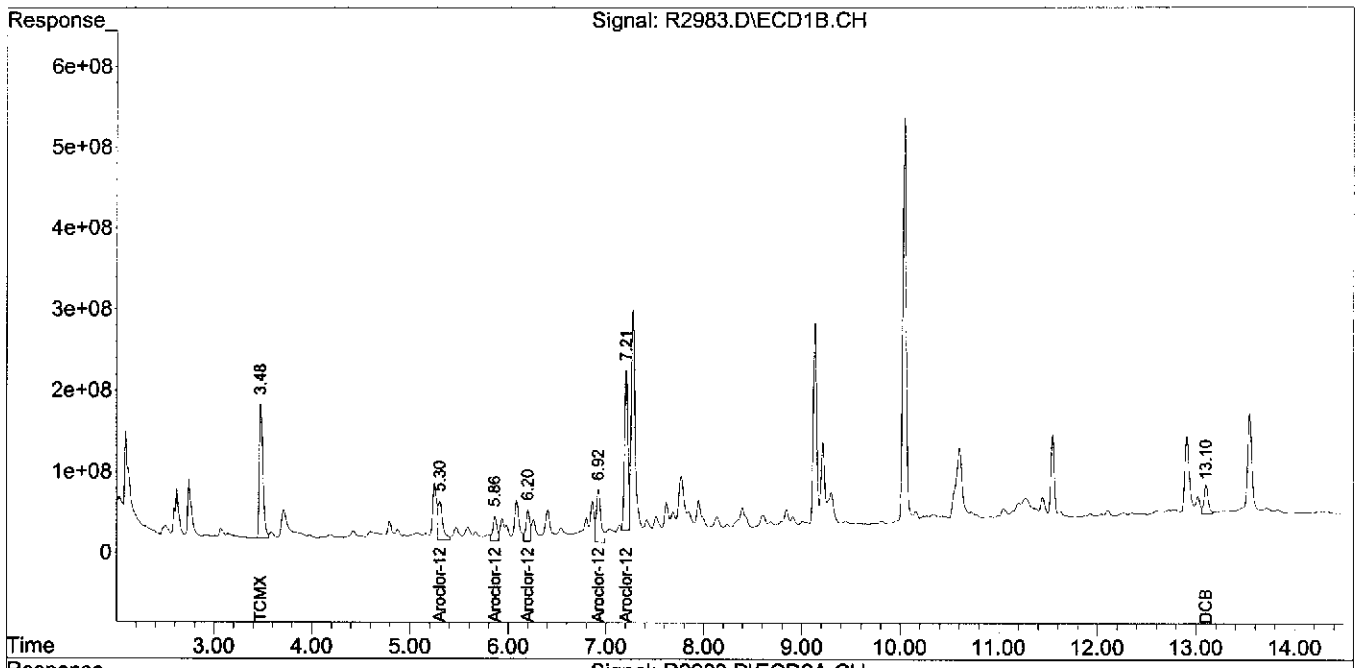
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

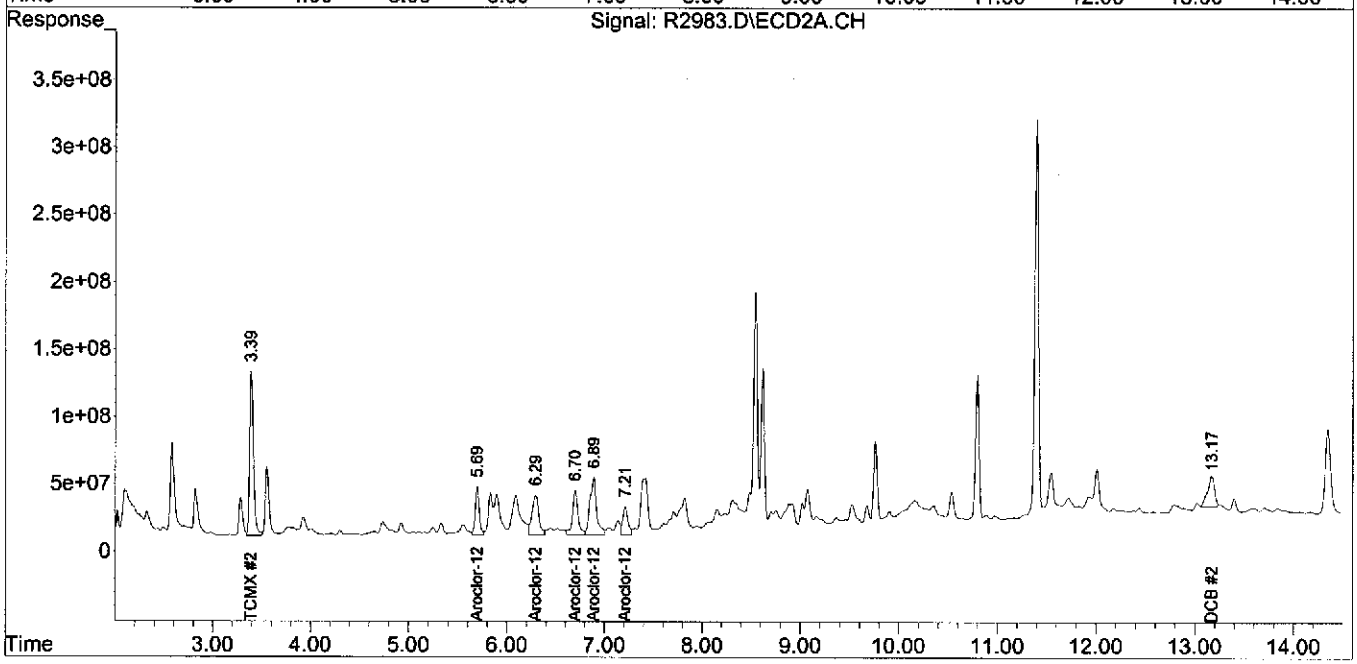
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2983.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 13:04
Operator : YG
Sample : T-10_(0-2.,07685-009,S,5.71g,15.7,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,10
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:39:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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\08-15-12\
Data File : R3003.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 20:23
Operator : YG
Sample : T-10_(2.0-,07685-010,S,5.83g,24.0,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,10
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:52:42 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	4101.9E6	3606.9E6	23.874	25.057
Spiked Amount 200.000			Recovery	=	11.94%	12.53%
2) S DCB	13.11	13.19	2140.8E6	1198.7E6	36.674m	29.926m
Spiked Amount 200.000			Recovery	=	18.34%	14.96%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.30	5.69	8744.9E6	6621.4E6	1148.035	1185.642
24) L6 Aroclor-1248 {2}	5.86	6.30	2741.2E6	4505.3E6	638.986	564.194
25) L6 Aroclor-1248 {3}	6.20	6.70	5168.4E6	4041.5E6	940.910	677.161 #
26) L6 Aroclor-1248 {4}	6.92	6.86	5286.3E6	4713.2E6	620.447	923.056 #
27) L6 Aroclor-1248 {5}	7.21	7.22	3961.9E6	2904.1E6	553.412	1005.612 #
Sum Aroclor-1248			25902.8E6	22785.4E6	3901.790	4355.664
Average Aroclor-1248					780.358	871.133
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

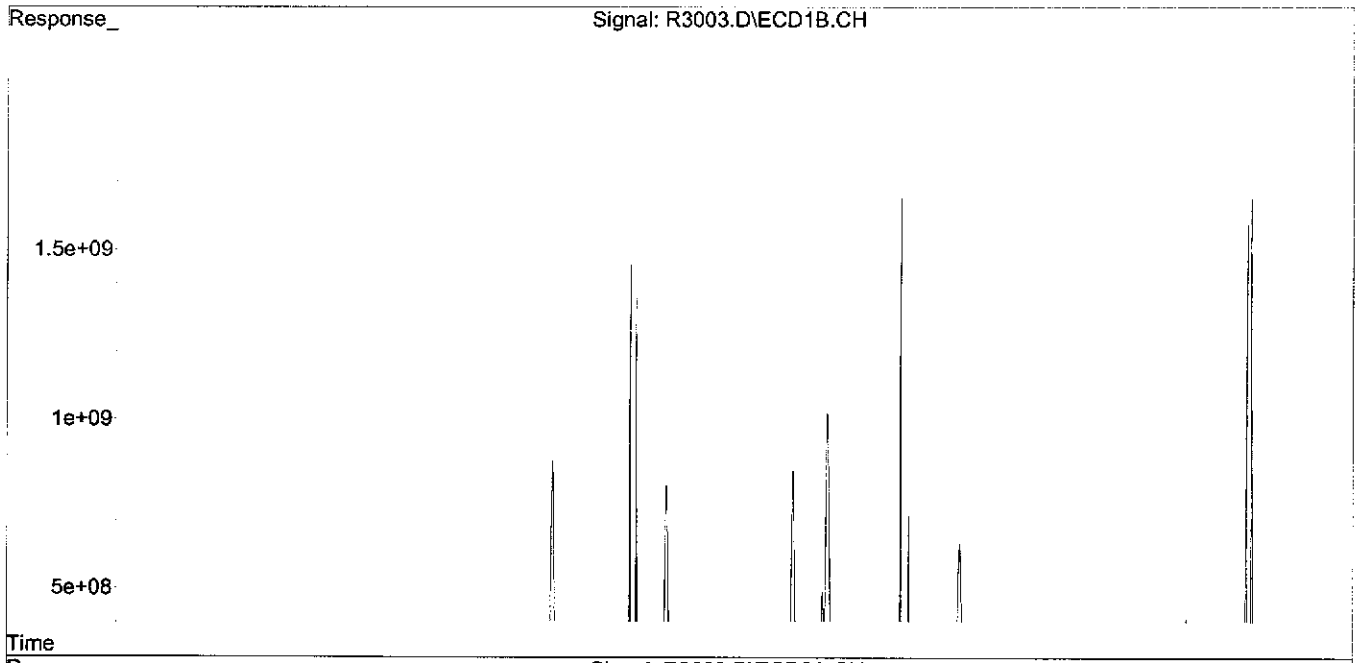
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

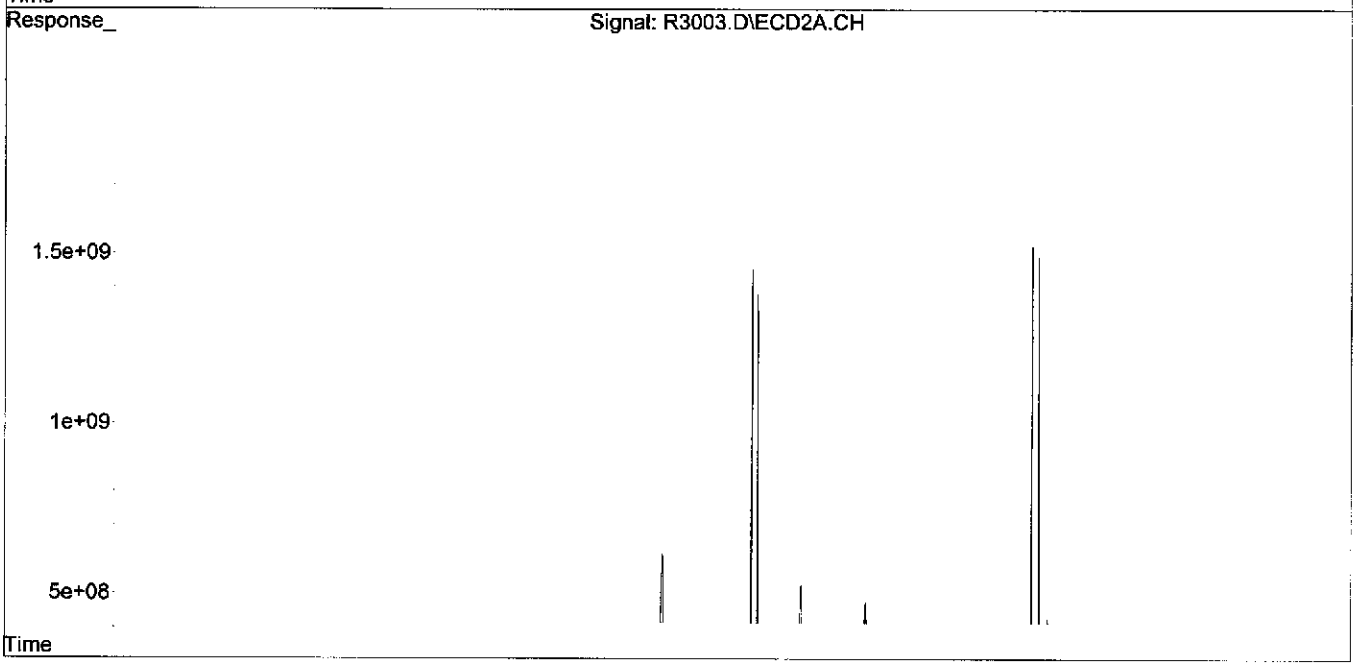
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3003.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 20:23
Operator : YG
Sample : T-10_(2.0-,07685-010,S,5.83g,24.0,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,10
ALS Vial : 4 Sample Multiplier: 1

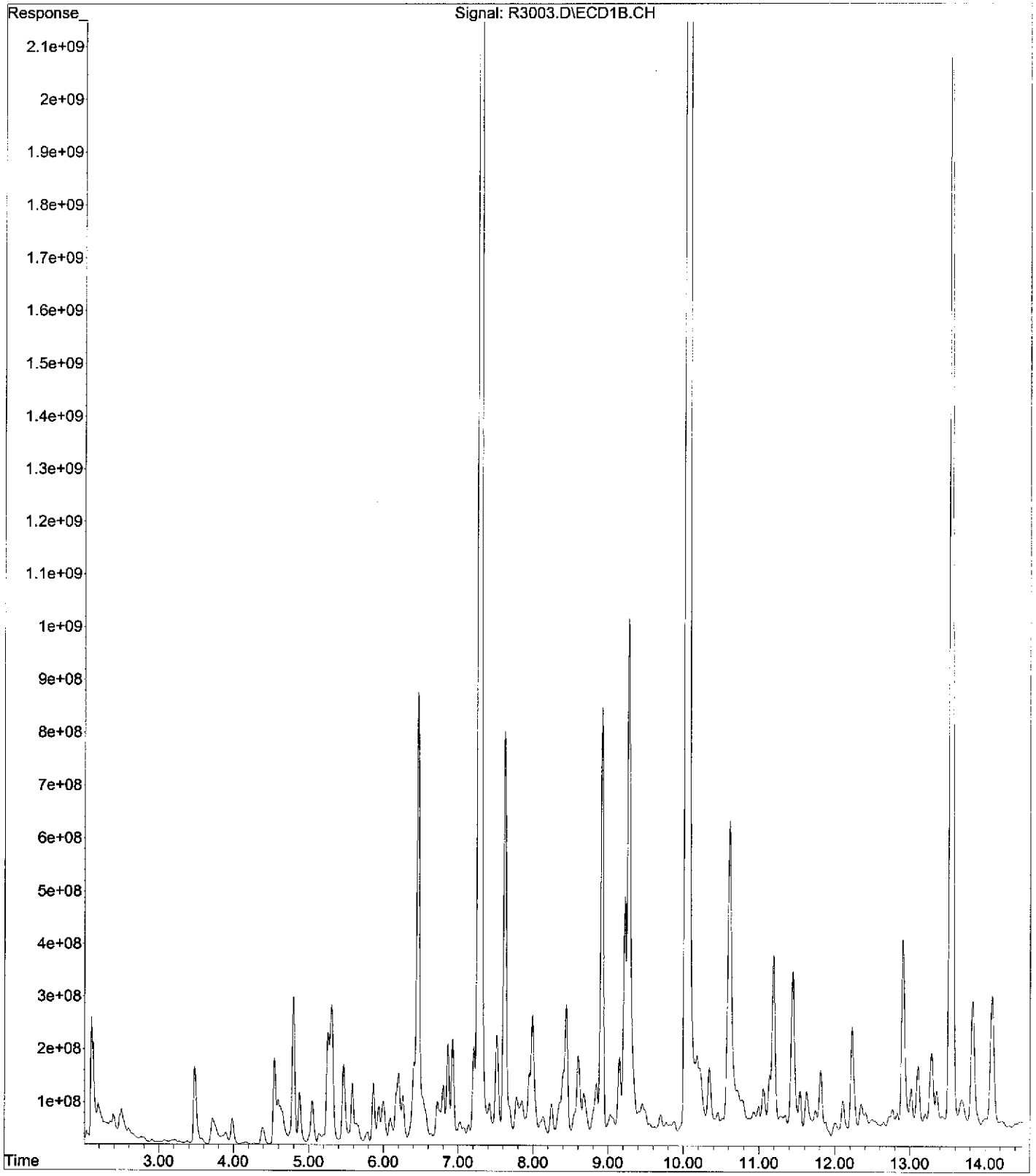
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:52:42 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

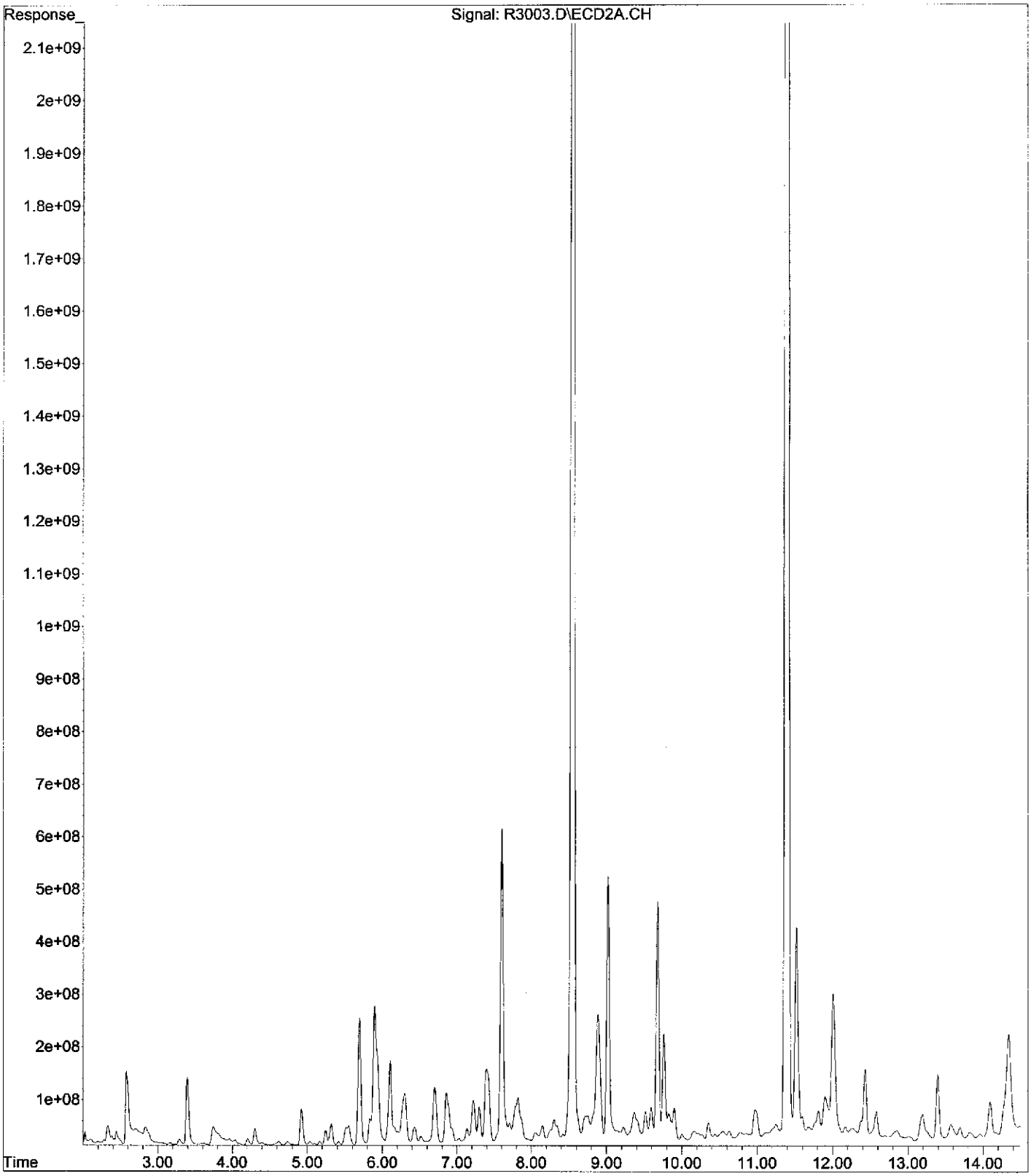




File :C:\MSDChem\1\DATA\08-15-12\R3003.D
Operator : YG
Acquired : 15 Aug 2012 20:23 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: T-10_(2.0-,07685-010,S,5.83g,24.0,08/02/12,4
Misc Info : 120802-16,07/31/12,07/31/12,10
Vial Number: 4



File :C:\MSDChem\1\DATA\08-15-12\R3003.D
Operator : YG
Acquired : 15 Aug 2012 20:23 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: T-10_(2.0-,07685-010,S,5.83g,24.0,08/02/12,4
Misc Info : 120802-16,07/31/12,07/31/12,10
Vial Number: 4



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3004.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 20:41
Operator : YG
Sample : T-10_(4.0-,07685-011,S,5.66g,25.4,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:01:54 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	3.39	26456.4E6	31441.6E6	153.979	218.420 #
Spiked Amount 200.000			Recovery	=	76.99%	109.21%
2) S DCB	13.10	13.18	12699.7E6	8912.3E6	217.557m	222.497m
Spiked Amount 200.000			Recovery	=	108.78%	111.25%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.31	5.69	4943.2E6	5338.1E6	648.943	955.849m#
24) L6 Aroclor-1248 {2}	5.87	6.30	2001.8E6	2325.7E6	466.621	291.244 #
25) L6 Aroclor-1248 {3}	6.21	6.70	3697.3E6	1955.0E6	673.084m	327.571 #
26) L6 Aroclor-1248 {4}	6.93	6.86	3939.2E6	1893.4E6	462.333	370.818
27) L6 Aroclor-1248 {5}	7.18	7.22	3248.6E6	1895.2E6	453.779m	656.247 #
Sum Aroclor-1248			17830.0E6	13407.4E6	2704.759	2601.730
Average Aroclor-1248					540.952	520.346
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

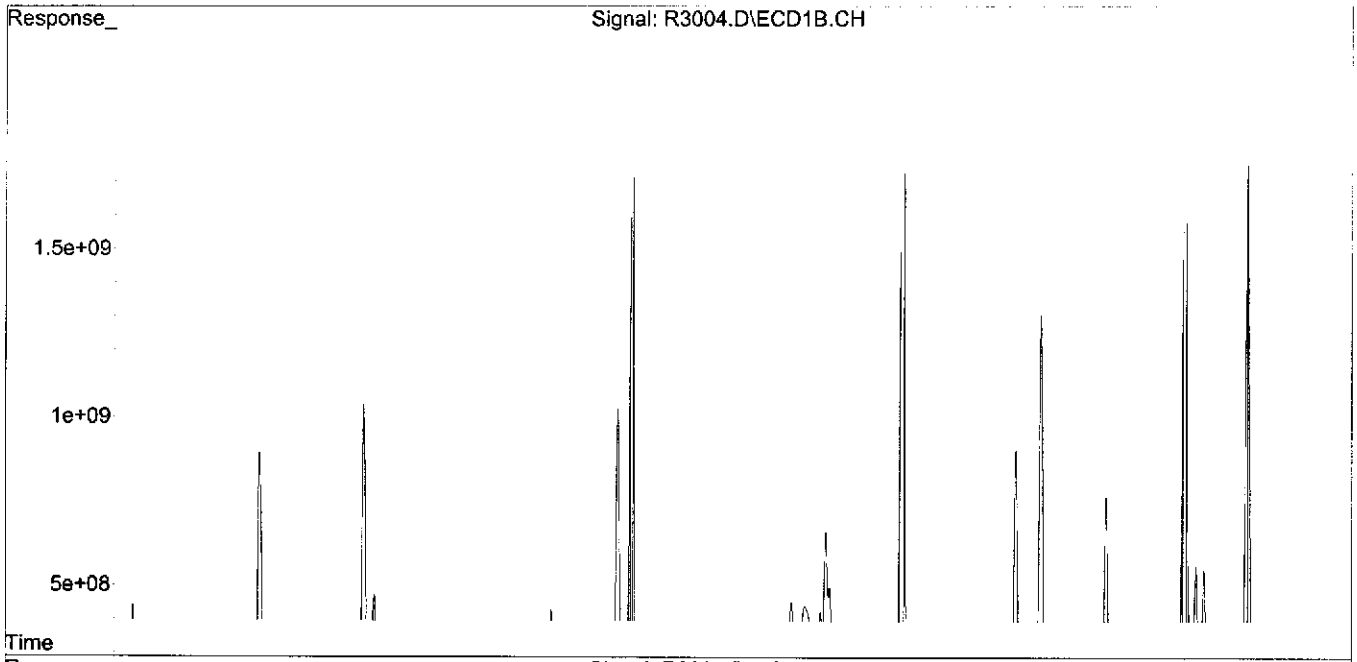
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

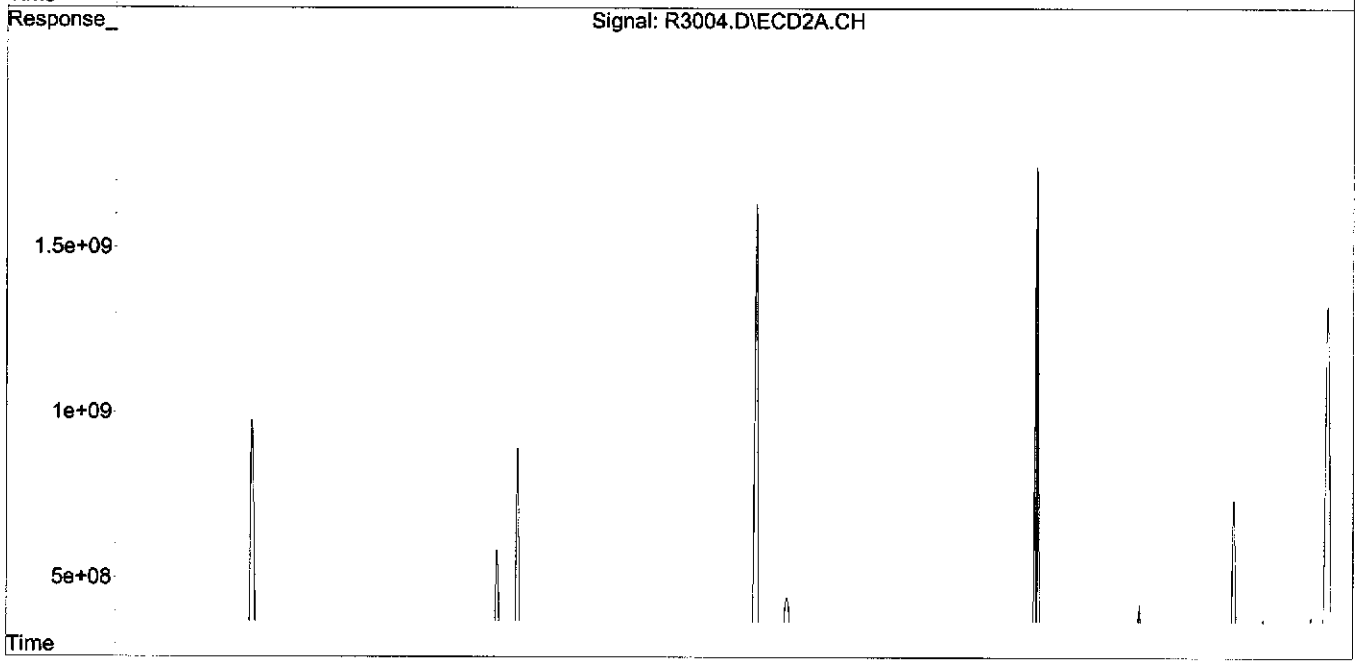
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3004.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 20:41
Operator : YG
Sample : T-10_(4.0-,07685-011,S,5.66g,25.4,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 5 Sample Multiplier: 1

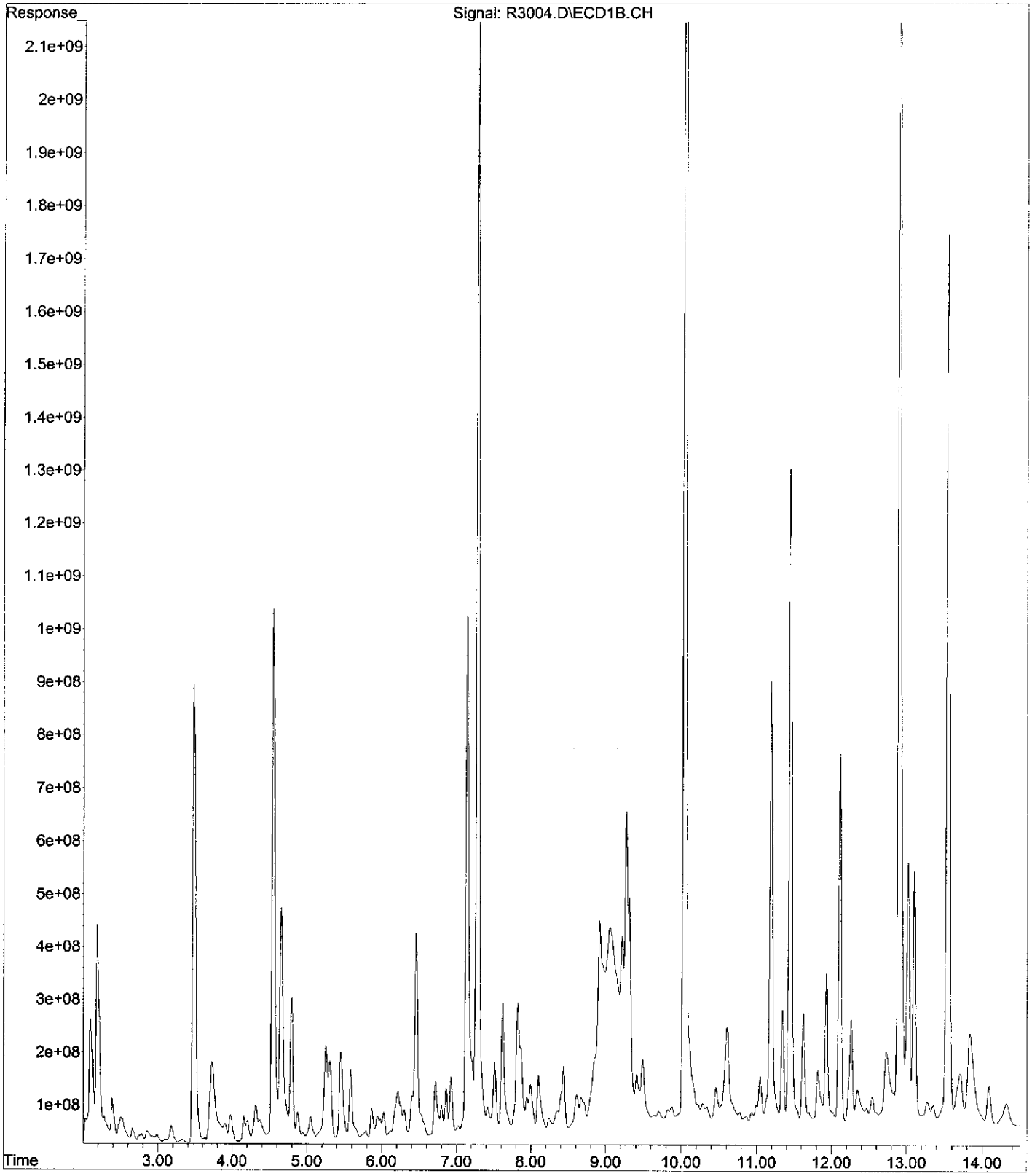
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:01:54 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

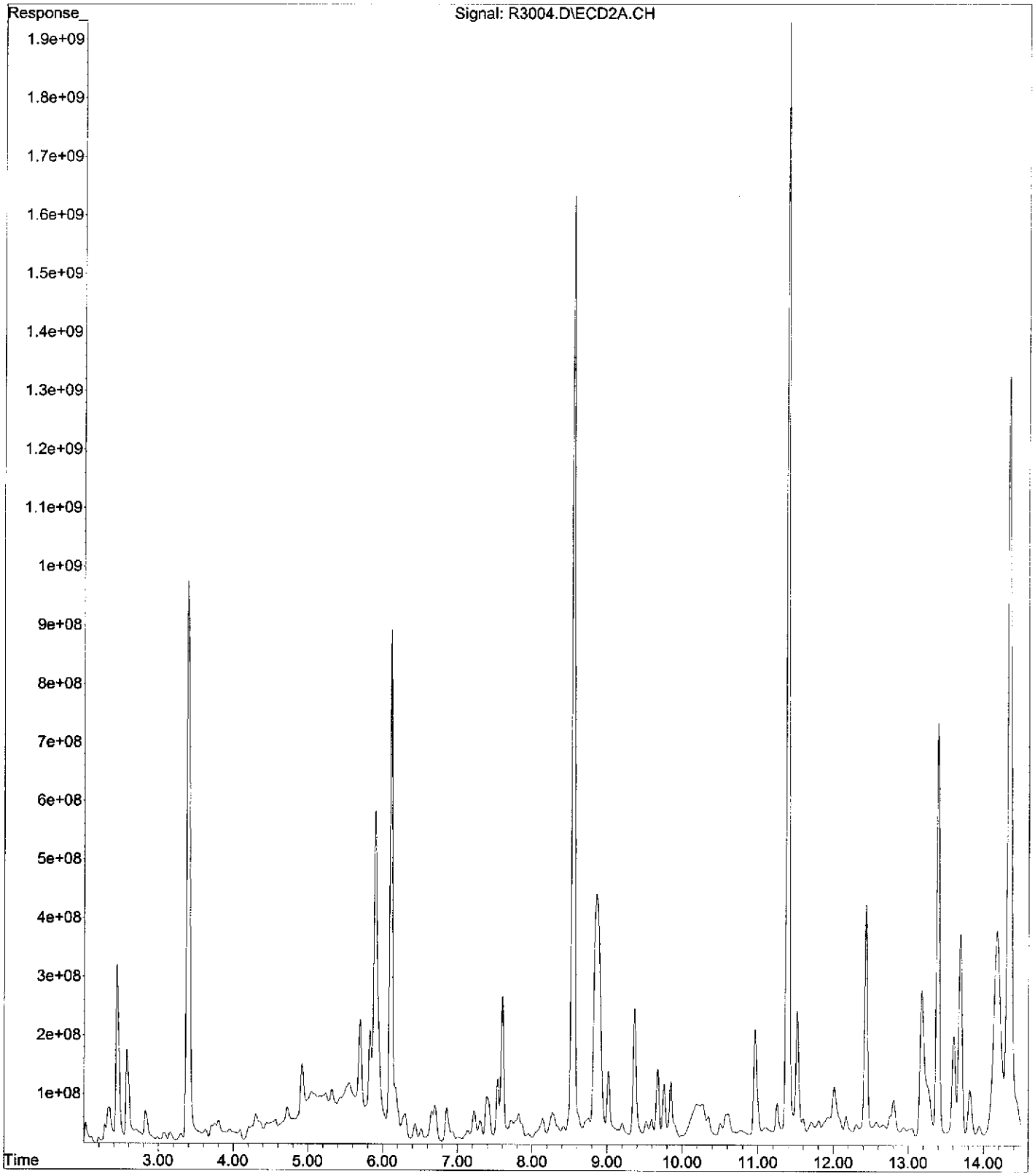




File :C:\MSDChem\1\DATA\08-15-12\R3004.D
Operator : YG
Acquired : 15 Aug 2012 20:41 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: T-10_(4.0-,07685-011,S,5.66g,25.4,08/02/12,4
Misc Info : 120802-16,07/31/12,07/31/12,1
Vial Number: 5



File :C:\MSDChem\1\DATA\08-15-12\R3004.D
Operator : YG
Acquired : 15 Aug 2012 20:41 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: T-10_(4.0-,07685-011,S,5.66g,25.4,08/02/12,4
Misc Info : 120802-16,07/31/12,07/31/12,1
Vial Number: 5



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2986.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 13:57
Operator : YG
Sample : T-10_(6.0-,07685-012,S,5.15g,20.7,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:40:33 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	3.39	32419.2E6	28392.9E6	188.684	197.241
Spiked Amount 200.000			Recovery	=	94.34%	98.62%
2) S DCB	13.10	13.18	13839.6E6	40352.7E6	237.083m	1007.410m#
Spiked Amount 200.000			Recovery	=	118.54%	503.70%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

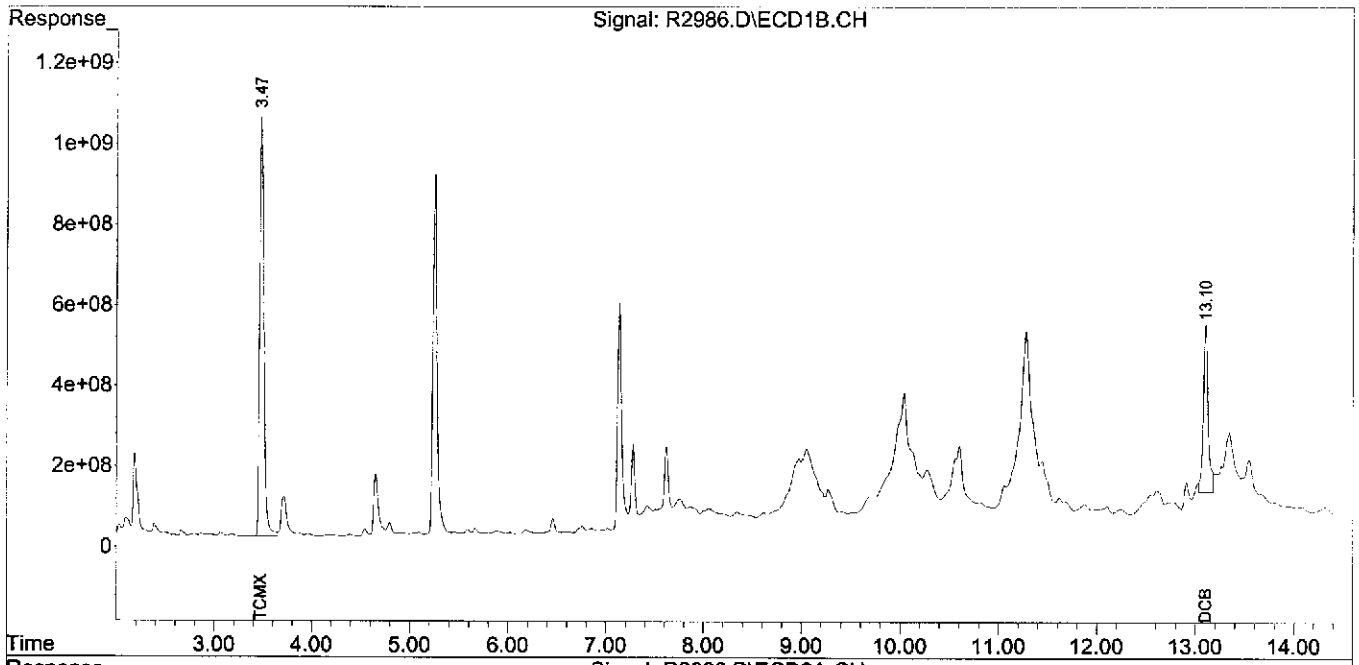
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

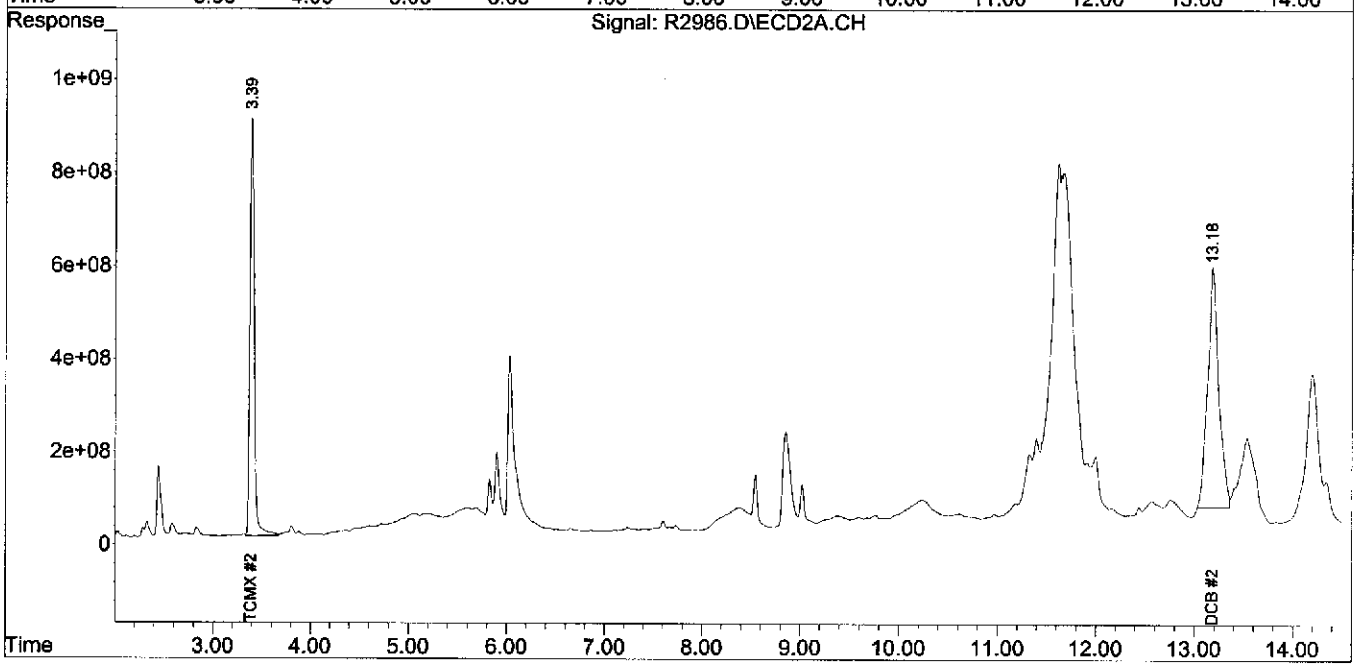
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2986.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 13:57
Operator : YG
Sample : T-10_(6.0-,07685-012,S,5.15g,20.7,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:40:33 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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\08-14-12\
Data File : R2987.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 14:14
Operator : YG
Sample : T-9_(0-2.0,07685-013,S,5.43g,11.9,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:42:41 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	3.39	29138.4E6	24524.4E6	169.589	170.368
Spiked Amount 200.000			Recovery	=	84.79%	85.18%
2) S DCB	13.10	13.15	17035.8E6	9726.4E6	291.838m	242.821m
Spiked Amount 200.000			Recovery	=	145.92%	121.41%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.29	5.69	6395.0E6	2828.1E6	839.531	506.396 #
24) L6 Aroclor-1248 {2}	5.87	6.29	3804.0E6	6935.1E6	886.722	868.482
25) L6 Aroclor-1248 {3}	6.20	6.71	4275.0E6	4754.3E6	778.262	796.602
26) L6 Aroclor-1248 {4}	6.92	0.00	8276.7E6	0	971.418	N.D. d#
27) L6 Aroclor-1248 {5}	7.14	7.21	9286.6E6	3458.1E6	1297.199	1197.457
Sum Aroclor-1248			32037.3E6	17975.6E6	4773.131	3368.937
Average Aroclor-1248					954.626	842.234
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

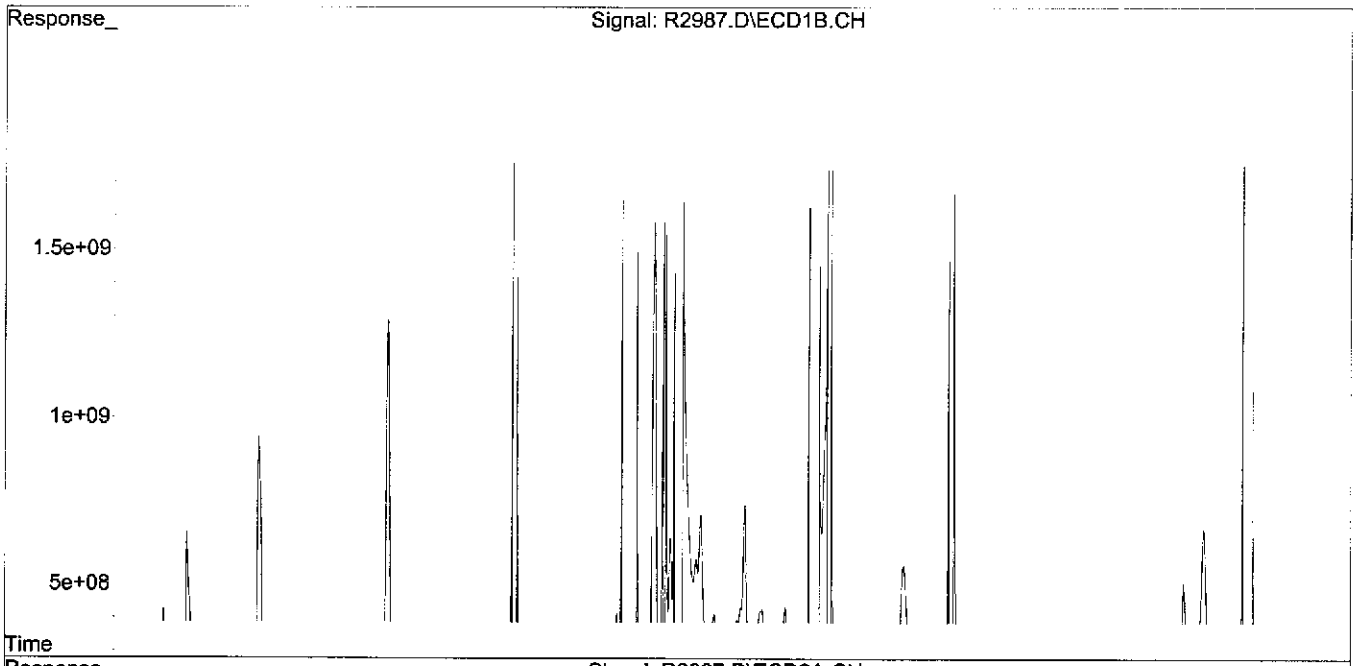
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

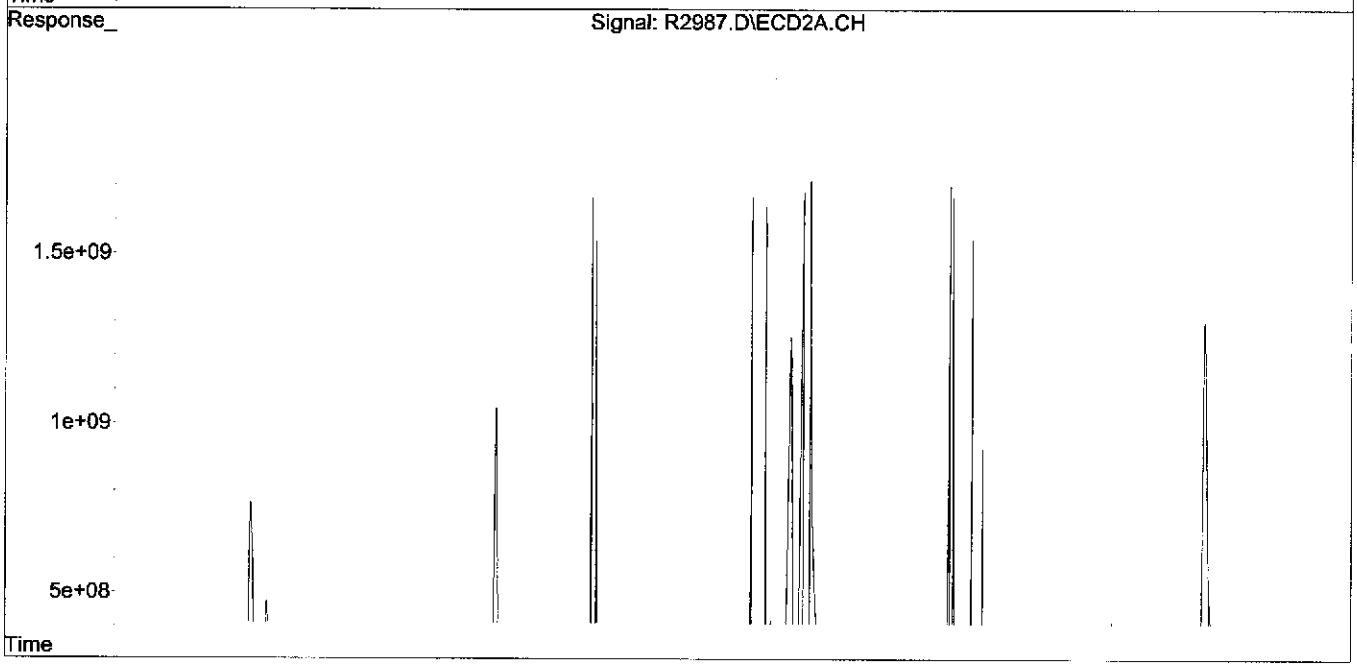
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2987.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 14:14
Operator : YG
Sample : T-9_(0-2.0,07685-013,S,5.43g,11.9,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 59 Sample Multiplier: 1

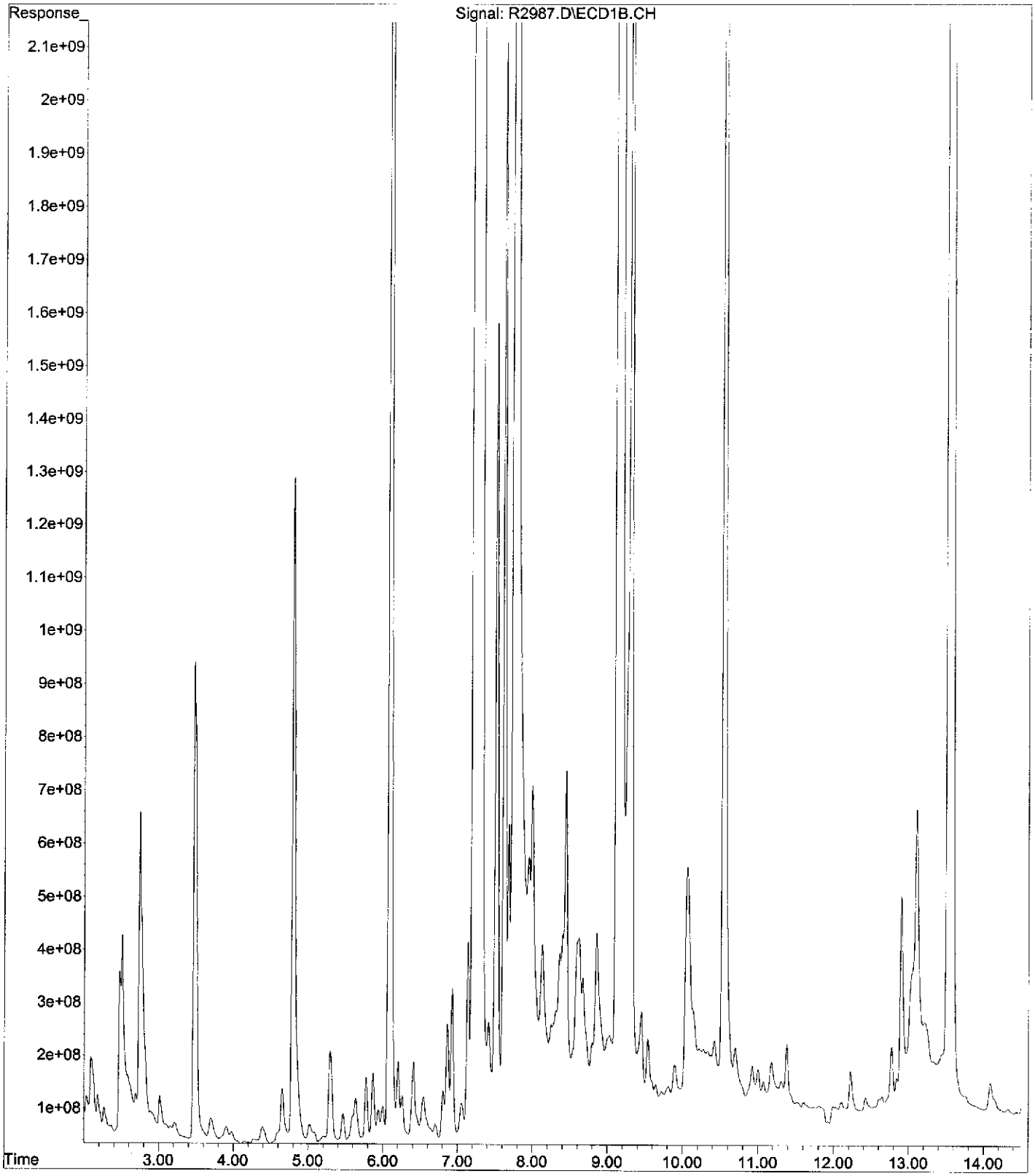
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:42:41 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

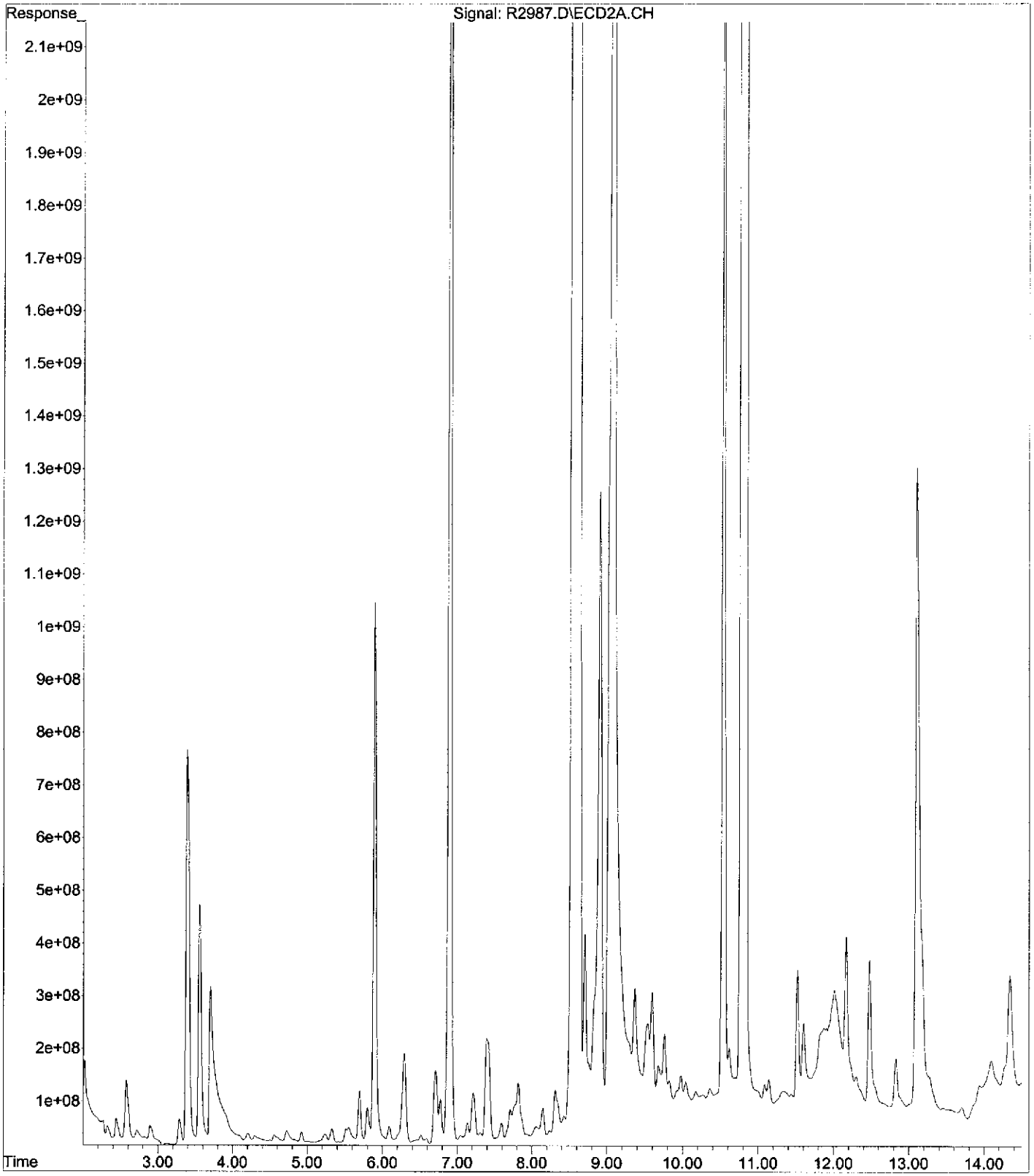




File :C:\MSDChem\1\DATA\08-14-12\R2987.D
Operator : YG
Acquired : 15 Aug 2012 14:14 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: T-9_(0-2.0,07685-013,S,5.43g,11.9,08/02/12,4
Misc Info : 120802-16,07/31/12,07/31/12,1
Vial Number: 59



File :C:\MSDChem\1\DATA\08-14-12\R2987.D
Operator : YG
Acquired : 15 Aug 2012 14:14 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: T-9_(0-2.0,07685-013,S,5.43g,11.9,08/02/12,4
Misc Info : 120802-16,07/31/12,07/31/12,1
Vial Number: 59



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3005.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 20:58
Operator : YG
Sample : T-9_(2.0-4,07685-014,S,5.83g,14.9,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:03:46 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	3.39	32142.9E6	29563.9E6	187.076	205.376
Spiked Amount 200.000			Recovery	=	93.54%	102.69%
2) S DCB	13.10	13.17	11134.4E6	9500.5E6	190.742m	237.180m
Spiked Amount 200.000			Recovery	=	95.37%	118.59%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

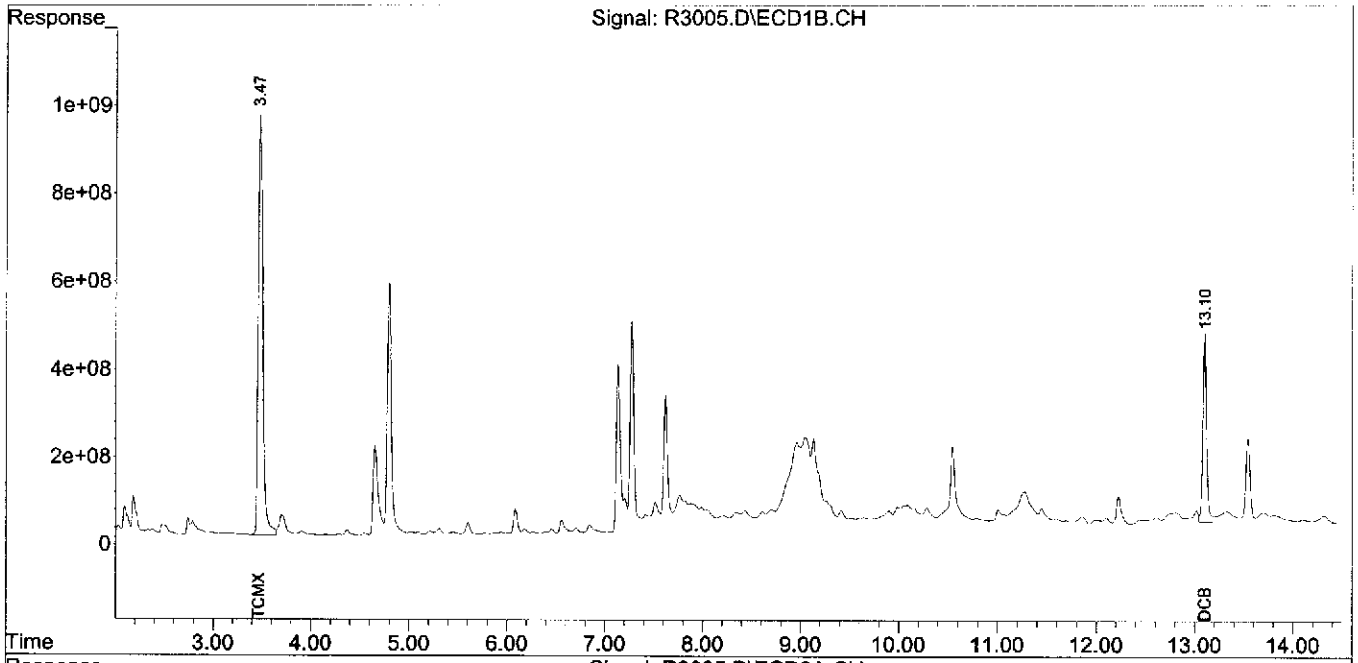
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

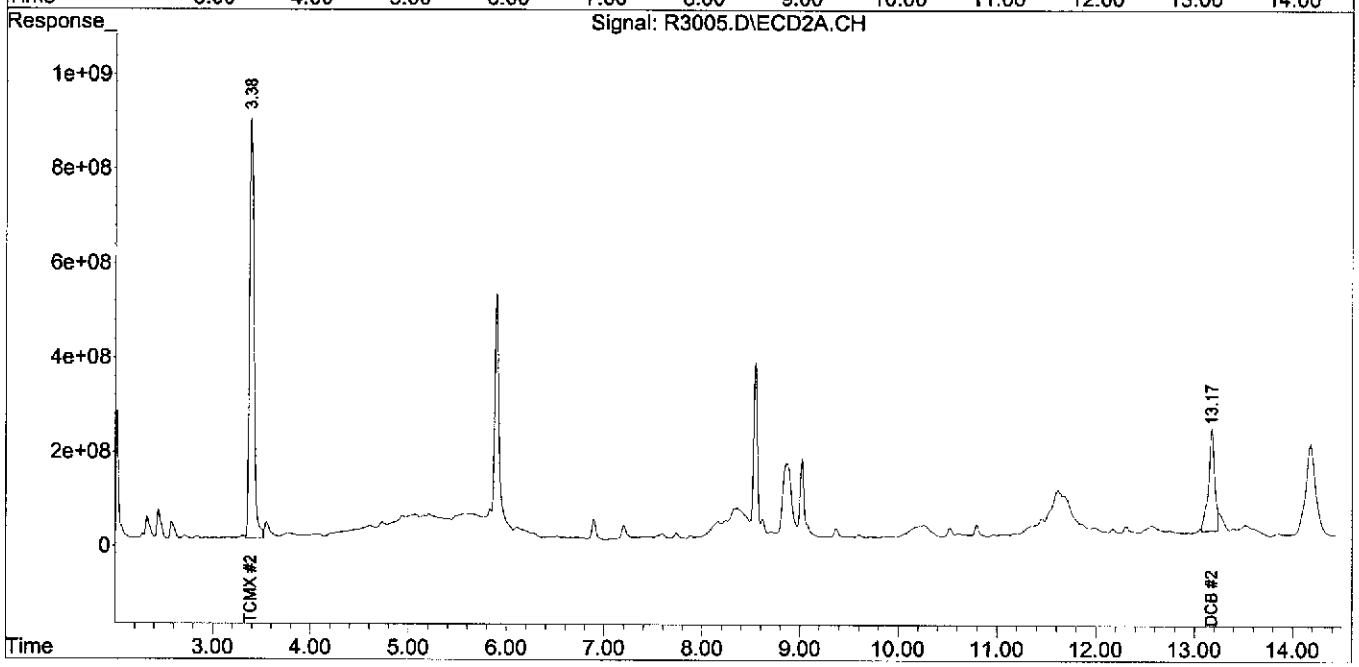
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3005.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 20:58
Operator : YG
Sample : T-9_(2.0-4,07685-014,S,5.83g,14.9,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:03:46 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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\08-14-12\
Data File : R2989.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 14:49
Operator : YG
Sample : T-9_(4.0-5,07685-015,S,5.28g,58.7,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:43:24 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	39419.6E6	34356.8E6	229.427	238.672
Spiked Amount 200.000			Recovery	=	114.71%	119.34%
2) S DCB	13.10	13.18	10875.3E6	5996.3E6	186.303m	149.699m
Spiked Amount 200.000			Recovery	=	93.15%	74.85%
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

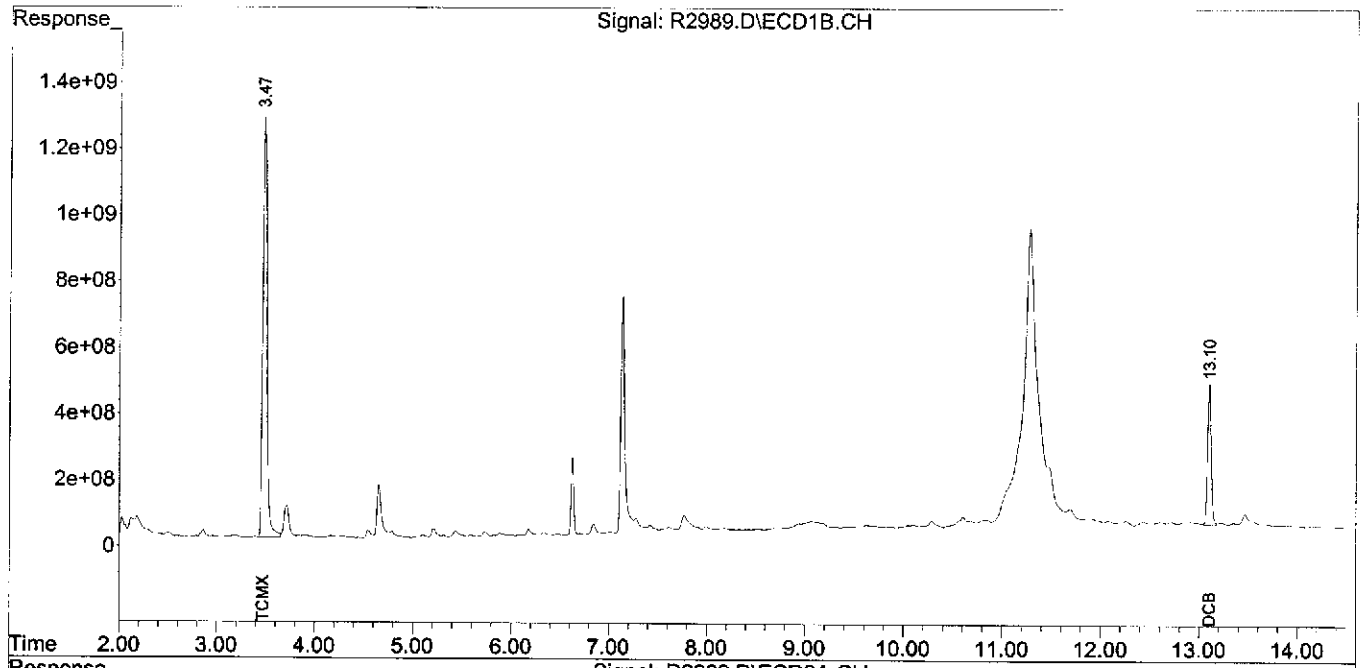
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

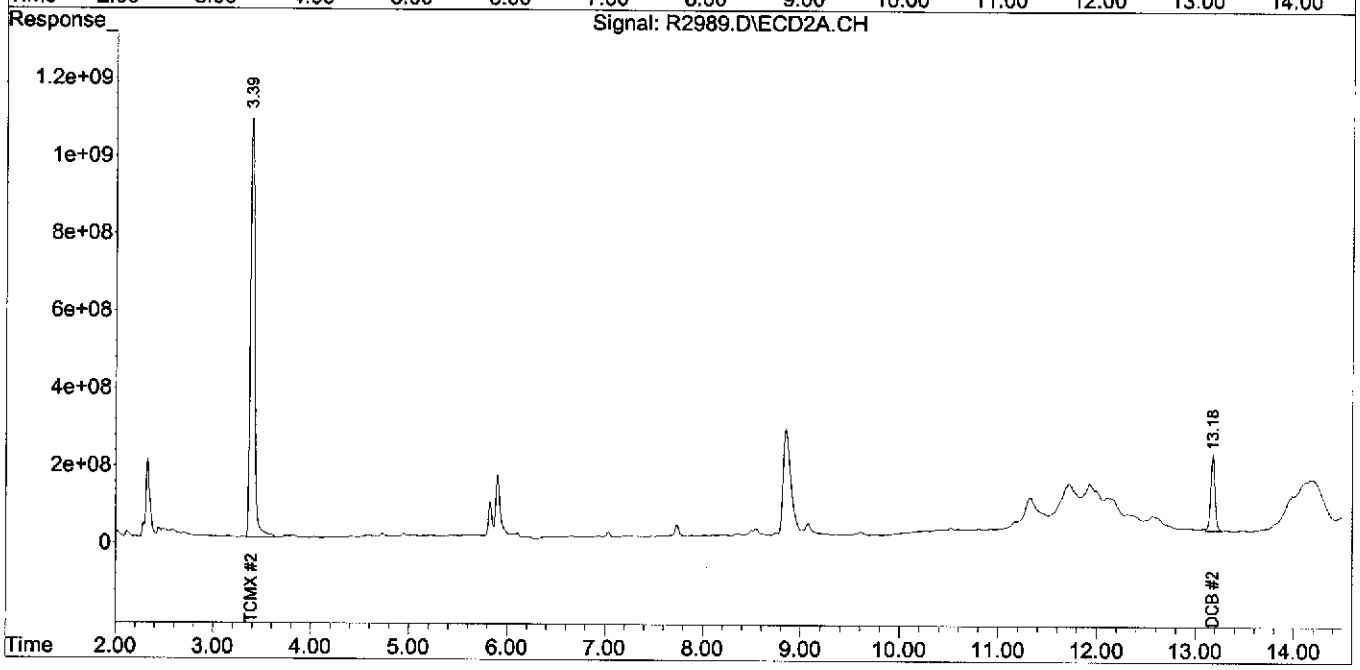
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2989.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 14:49
Operator : YG
Sample : T-9_(4.0-5,07685-015,S,5.28g,58.7,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:43:24 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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\08-14-12\
Data File : R2990.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 15:07
Operator : YG
Sample : T-9_(5.0-6,07685-016,S,5.69g,20.7,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 62 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:44:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	3.39	39940.9E6	30007.1E6	232.461	208.455
Spiked Amount 200.000			Recovery	=	116.23%	104.23%
2) S DCB	13.10	13.17	12779.5E6	9853.2E6	218.923m	245.986m
Spiked Amount 200.000			Recovery	=	109.46%	122.99%
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

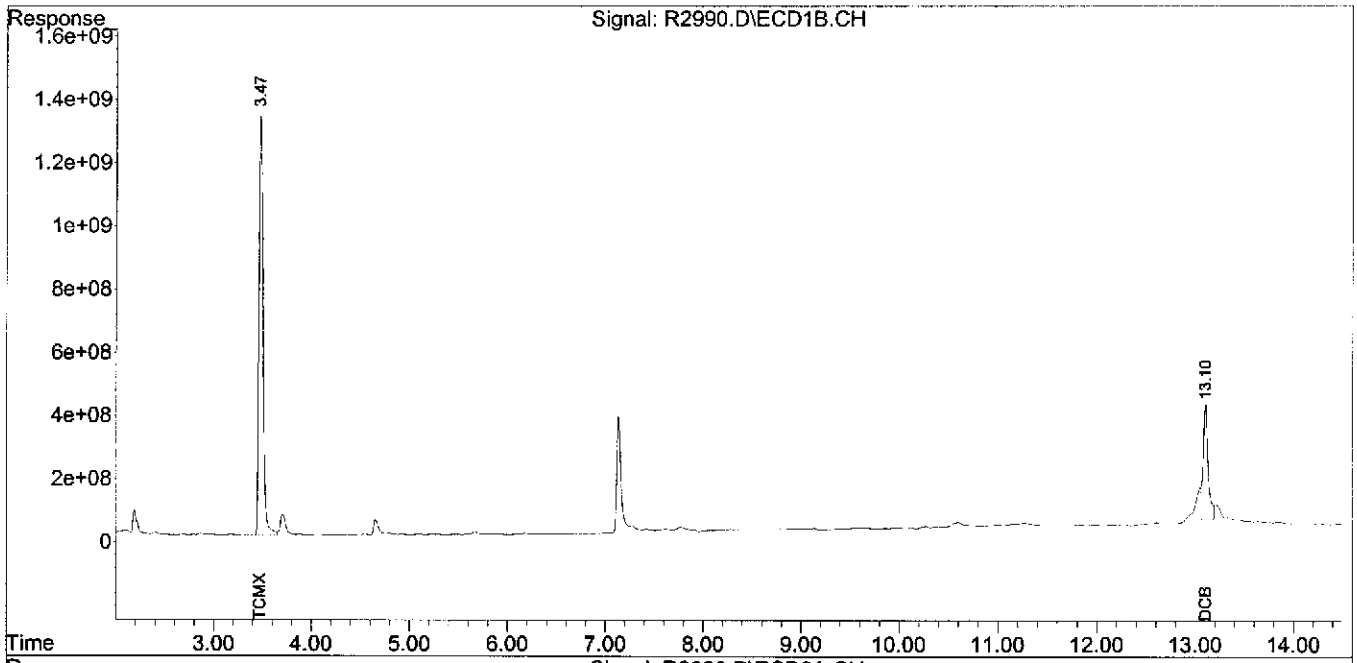
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

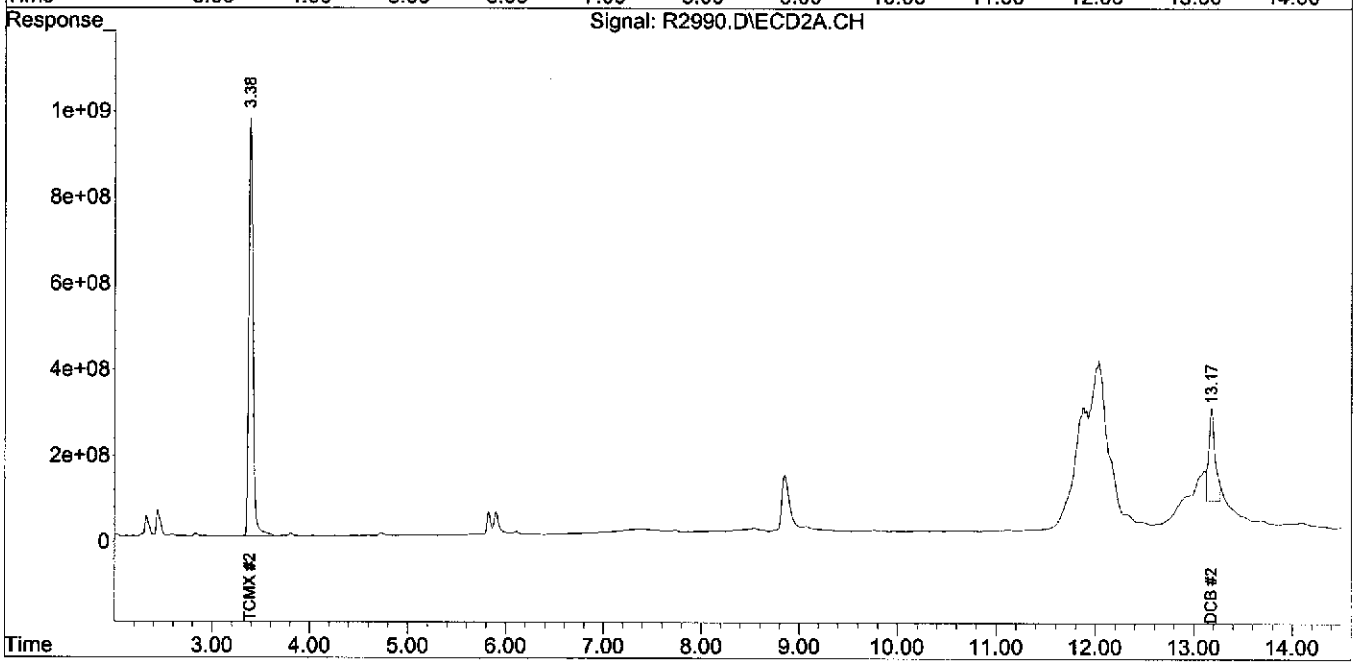
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2990.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 15:07
Operator : YG
Sample : T-9_(5.0-6,07685-016,S,5.69g,20.7,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 62 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:44:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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\08-15-12\
Data File : R3006.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 21:16
Operator : YG
Sample : S-9_(0-2.0,07685-017,S,5.15g,23.9,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:05:58 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	3.39	22833.7E6	24491.5E6	132.895	170.139 #
Spiked Amount 200.000			Recovery	=	66.45%	85.07%
2) S DCB	13.10	13.17	11560.4E6	4781.3E6	198.039m	119.366m#
Spiked Amount 200.000			Recovery	=	99.02%	59.68%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.30	5.69	11457.0E6	4238.4E6	1504.081	758.938 #
24) L6 Aroclor-1248 {2}	5.86	6.29	2370.2E6	6630.1E6	552.499	830.279 #
25) L6 Aroclor-1248 {3}	6.20	6.70	3912.7E6	4680.9E6	712.310	784.308
26) L6 Aroclor-1248 {4}	6.92	6.89	7062.3E6	4956.2E6	828.894	970.650
27) L6 Aroclor-1248 {5}	0.00	7.20	0	5021.4E6	N.D. d	1738.805m#
Sum Aroclor-1248			24802.3E6	25527.1E6	3597.784	5082.980
Average Aroclor-1248					899.446	1016.596
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

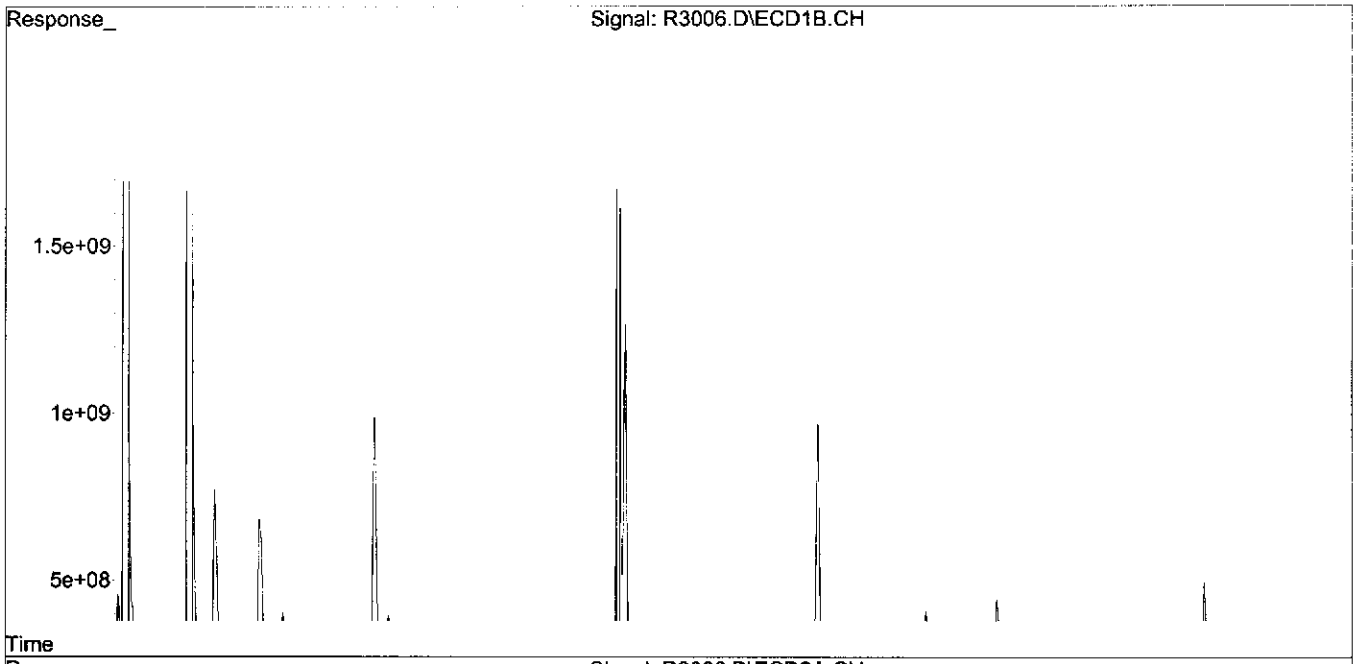
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

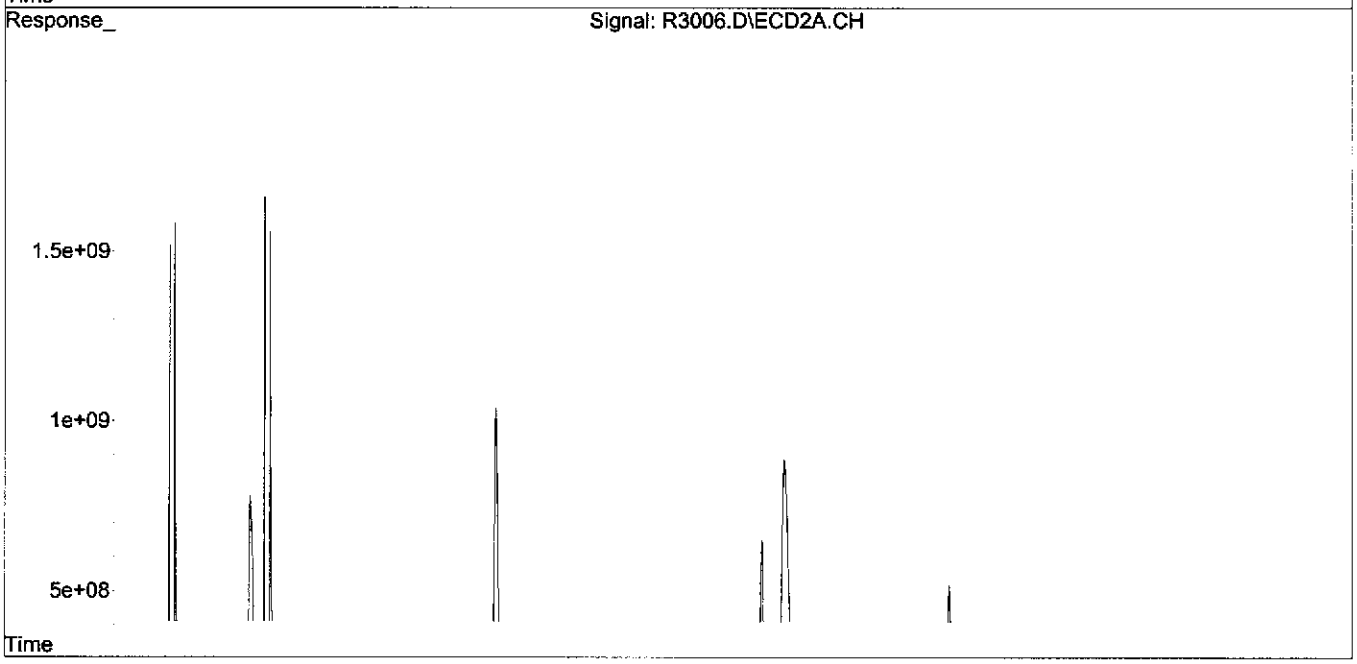
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3006.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 21:16
Operator : YG
Sample : S-9_(0-2.0,07685-017,S,5.15g,23.9,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 7 Sample Multiplier: 1

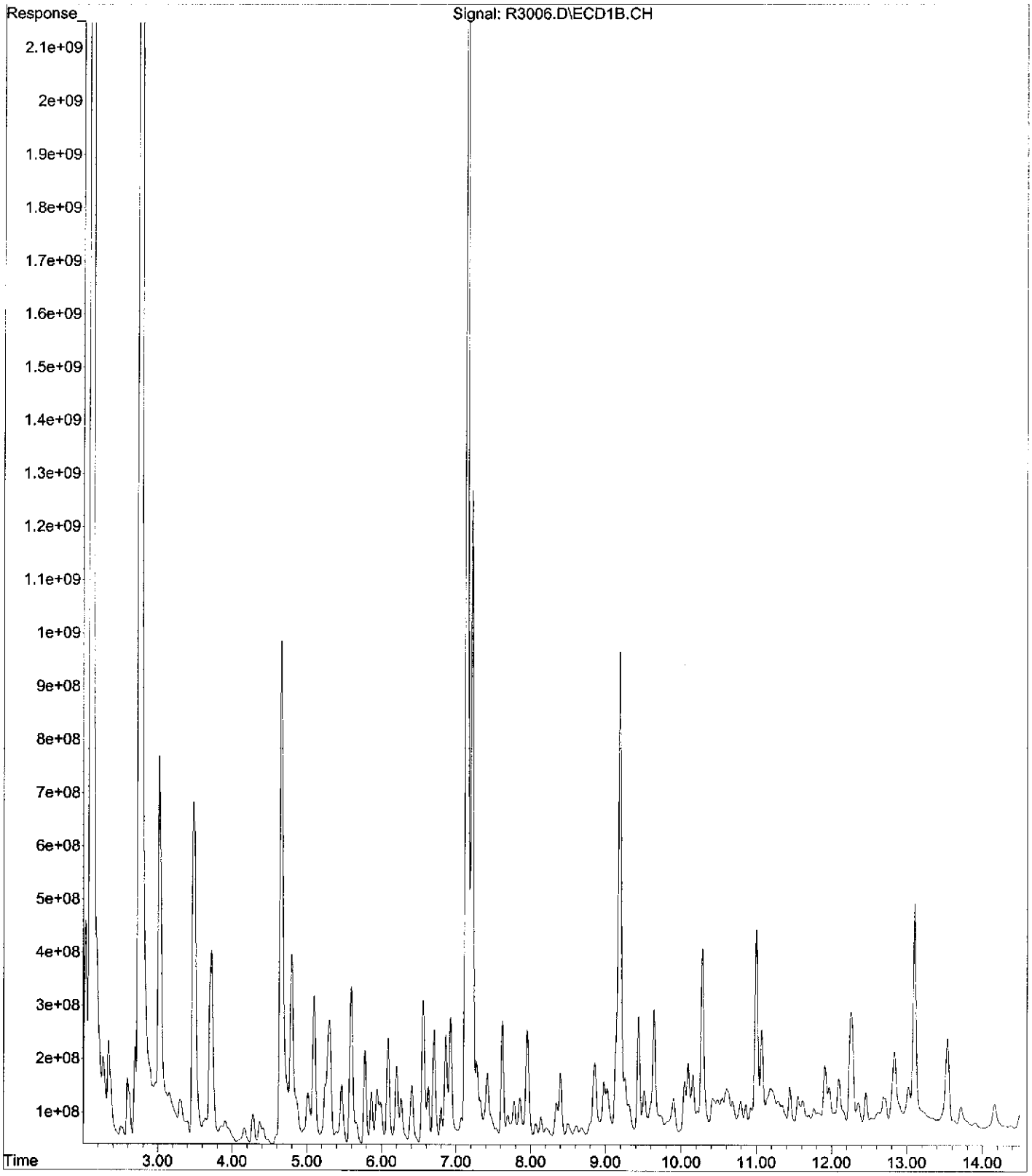
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:05:58 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

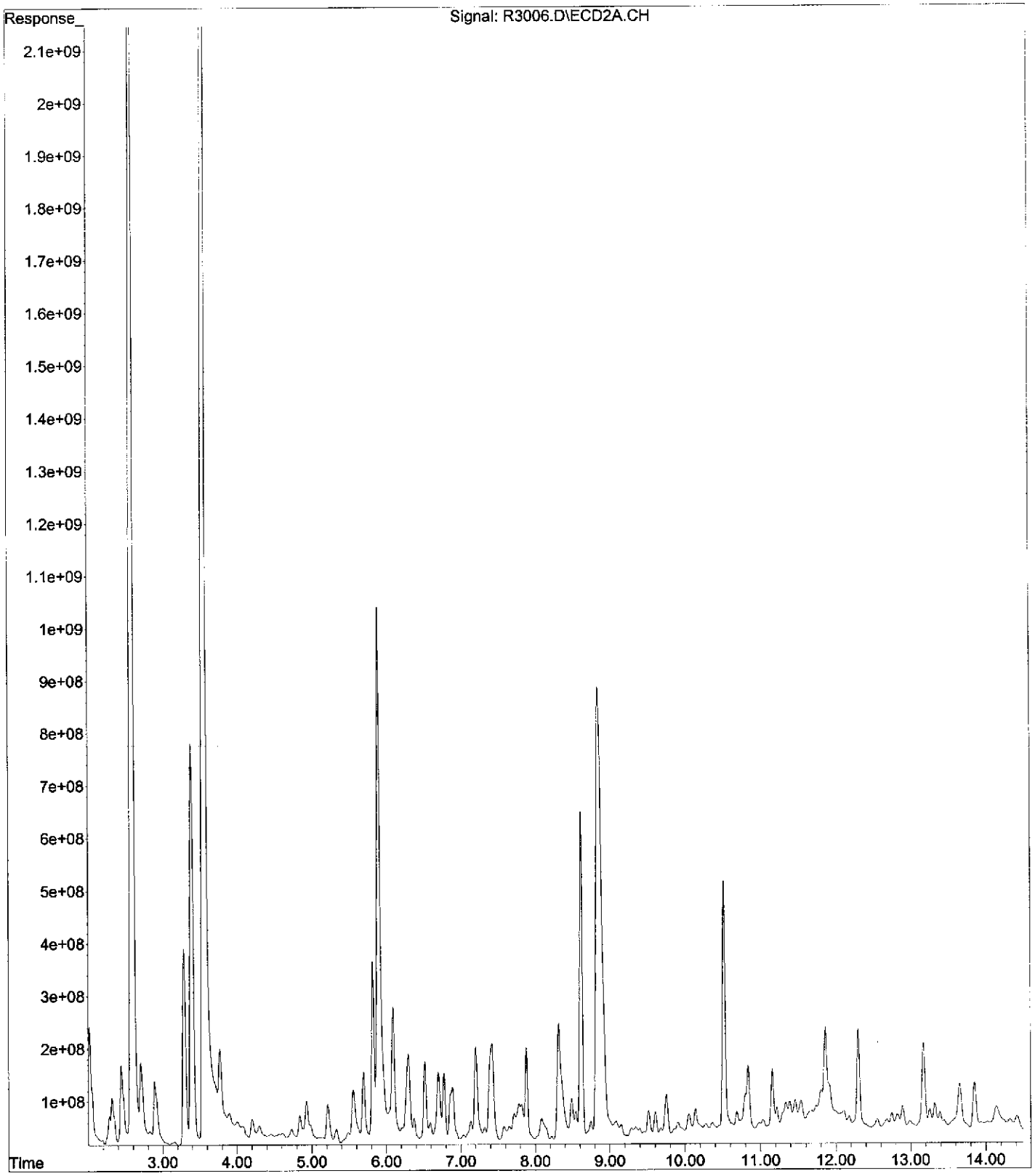




File :C:\MSDChem\1\DATA\08-15-12\R3006.D
Operator : YG
Acquired : 15 Aug 2012 21:16 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: S-9_(0-2.0,07685-017,S,5.15g,23.9,08/02/12,4
Misc Info : 120802-16,07/31/12,07/31/12,1
Vial Number: 7



File :C:\MSDChem\1\DATA\08-15-12\R3006.D
Operator : YG
Acquired : 15 Aug 2012 21:16 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: S-9_(0-2.0,07685-017,S,5.15g,23.9,08/02/12,4
Misc Info : 120802-16,07/31/12,07/31/12,1
Vial Number: 7



Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3007.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 21:33
Operator : YG
Sample : S-9_(2.0-4,07685-018,S,5.54g,20.5,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:08:43 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	38752.2E6	21831.7E6	225.542m	151.662m#
Spiked Amount 200.000			Recovery	=	112.77%	75.83%
2) S DCB	13.10	13.17	14860.0E6	7592.3E6	254.565m	189.543m#
Spiked Amount 200.000			Recovery	=	127.28%	94.77%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

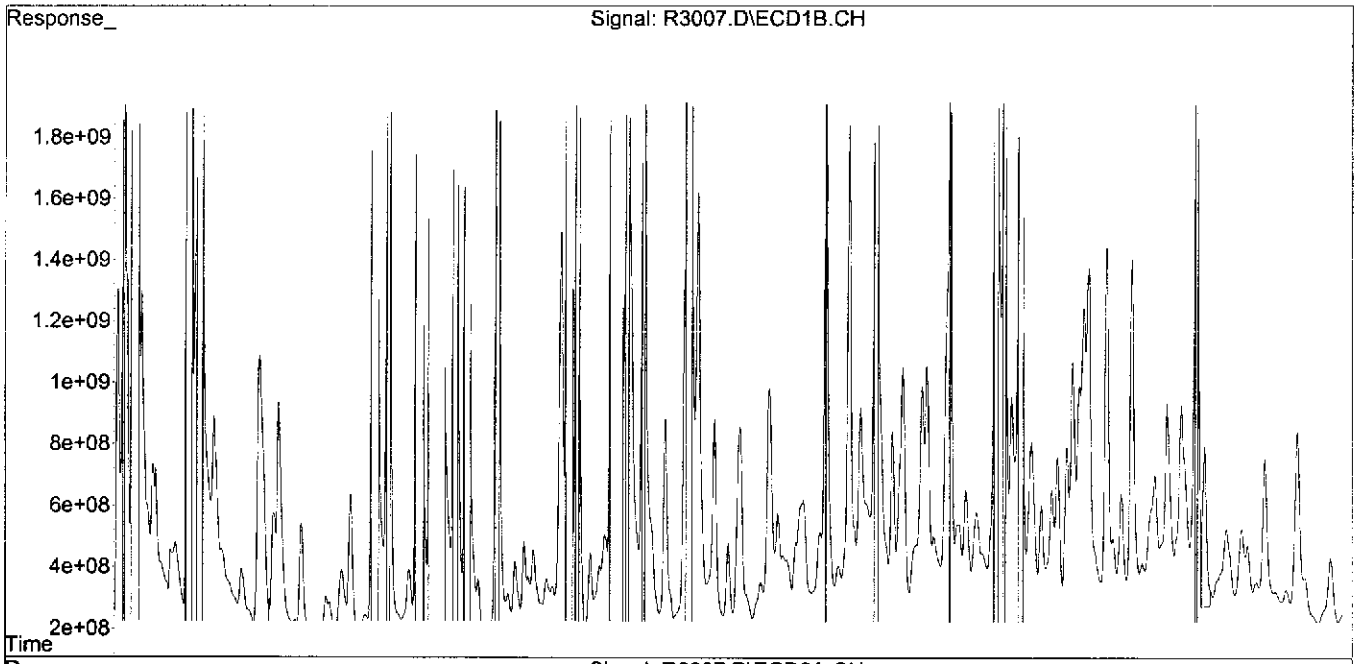
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

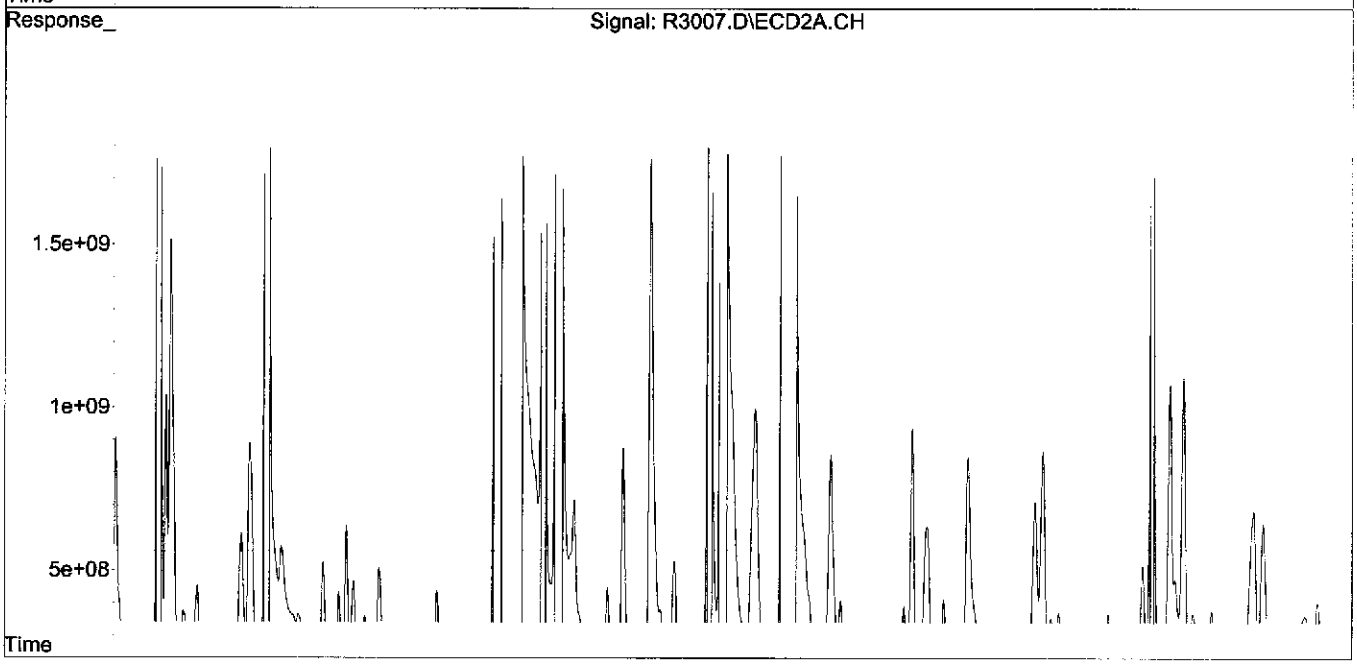
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3007.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 21:33
Operator : YG
Sample : S-9_(2.0-4,07685-018,S,5.54g,20.5,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 8 Sample Multiplier: 1

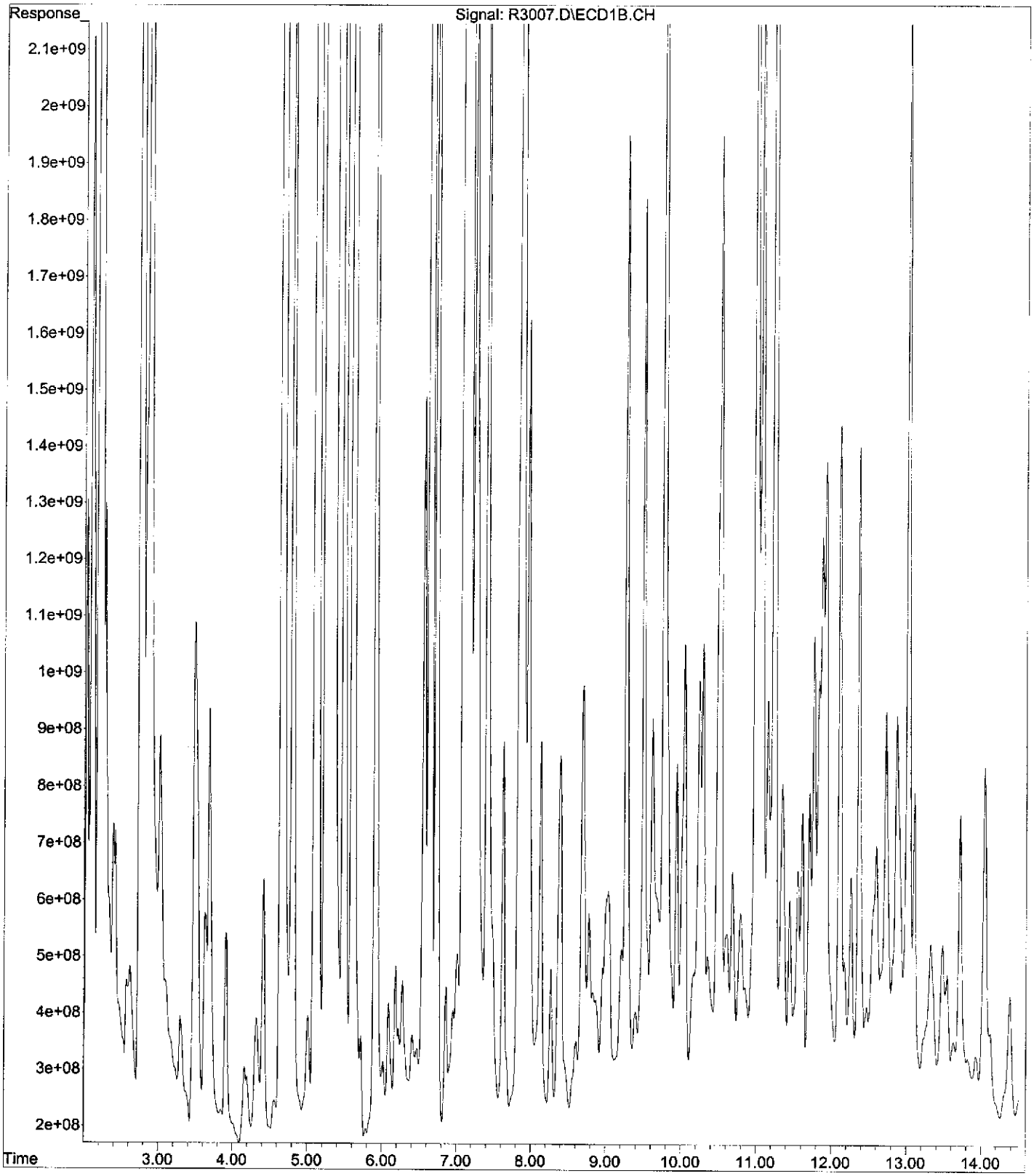
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:08:43 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

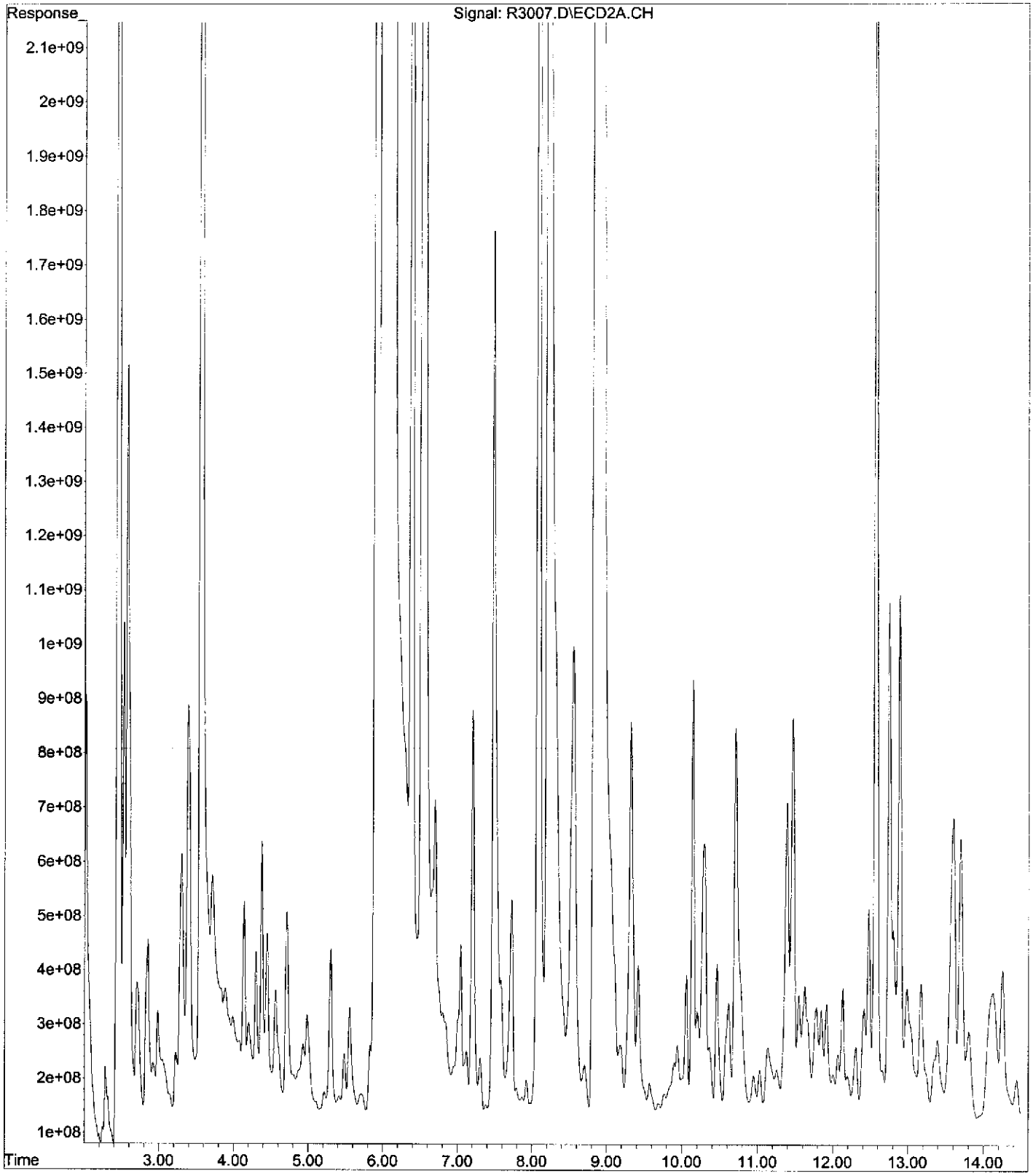




File :C:\MSDChem\1\DATA\08-15-12\R3007.D
Operator : YG
Acquired : 15 Aug 2012 21:33 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: S-9_(2.0-4,07685-018,S,5.54g,20.5,08/02/12,4
Misc Info : 120802-16,07/31/12,07/31/12,1
Vial Number: 8



File :C:\MSDChem\1\DATA\08-15-12\R3007.D
Operator : YG
Acquired : 15 Aug 2012 21:33 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: S-9_(2.0-4,07685-018,S,5.54g,20.5,08/02/12,4
Misc Info : 120802-16,07/31/12,07/31/12,1
Vial Number: 8



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2993.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 15:59
Operator : YG
Sample : S-9_(4.0-4,07685-019,S,5.80g,63.6,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 65 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:46:37 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	25664.6E6	31338.2E6	149.371	217.702 #
Spiked Amount 200.000			Recovery	=	74.69%	108.85%
2) S DCB	13.10	13.18	12212.5E6	6018.3E6	209.211	150.247m#
Spiked Amount 200.000			Recovery	=	104.61%	75.12%
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

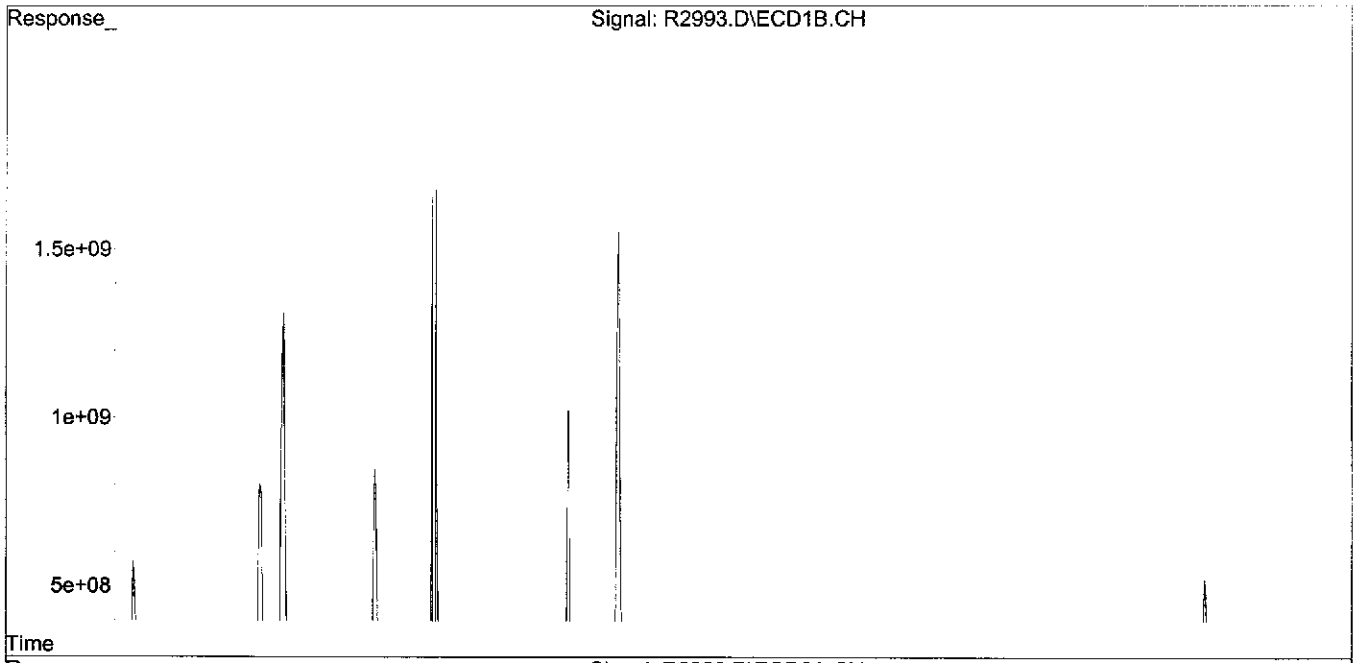
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

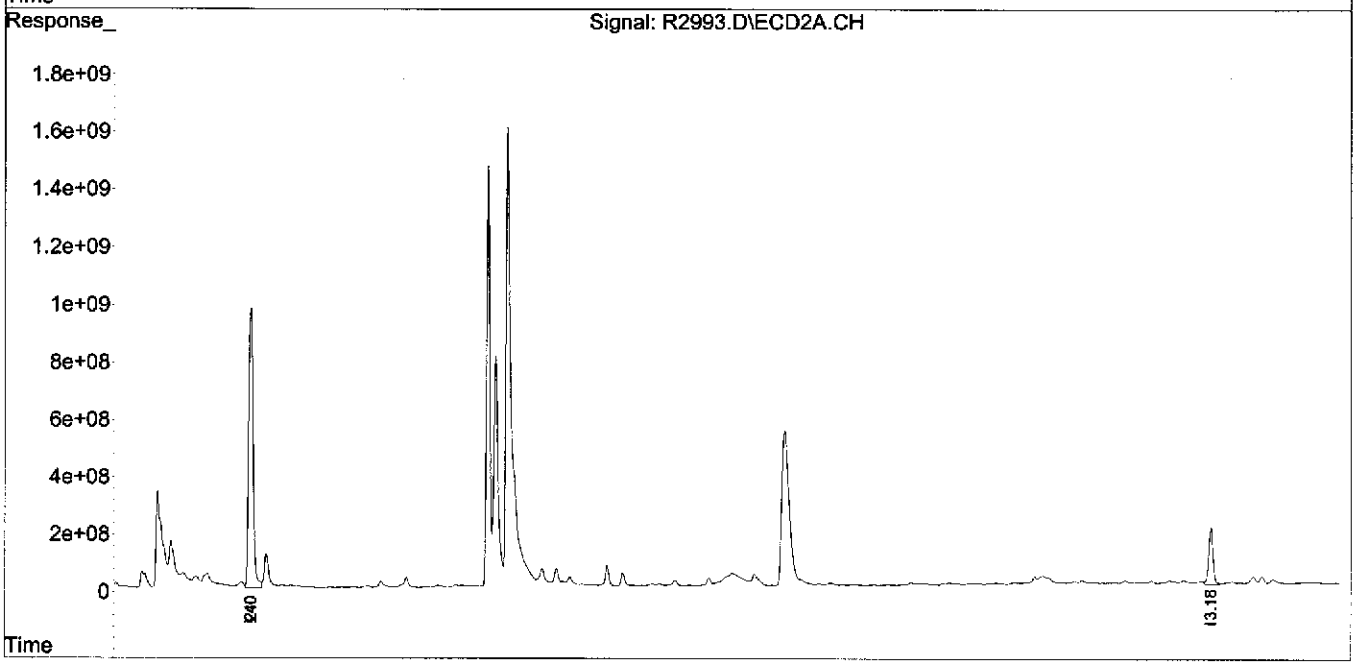
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2993.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 15:59
Operator : YG
Sample : S-9_(4.0-4,07685-019,S,5.80g,63.6,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 65 Sample Multiplier: 1

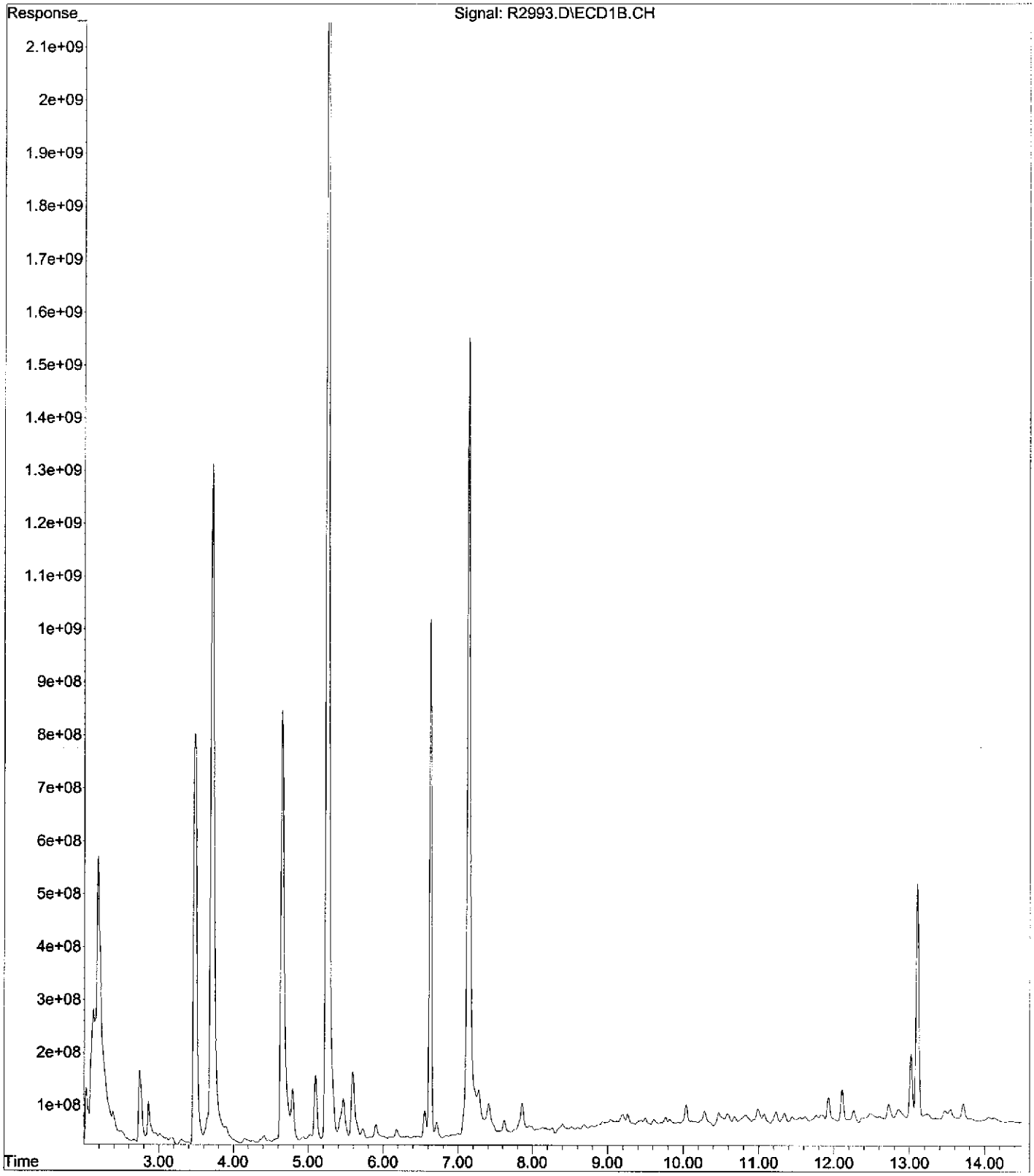
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:46:37 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





File :C:\MSDChem\1\DATA\08-14-12\R2993.D
Operator : YG
Acquired : 15 Aug 2012 15:59 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: S-9_(4.0-4,07685-019,S,5.80g,63.6,08/02/12,4
Misc Info : 120802-16,07/31/12,07/31/12,1
Vial Number: 65



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2994.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 16:17
Operator : YG
Sample : S-9_(4.75-,07685-020,S,5.42g,20.9,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:47:15 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	3.39	36470.2E6	29193.4E6	212.261	202.802
Spiked Amount 200.000			Recovery	=	106.13%	101.40%
2) S DCB	13.10	13.17	8575.1E6	4775.2E6	146.898m	119.212m
Spiked Amount 200.000			Recovery	=	73.45%	59.61%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

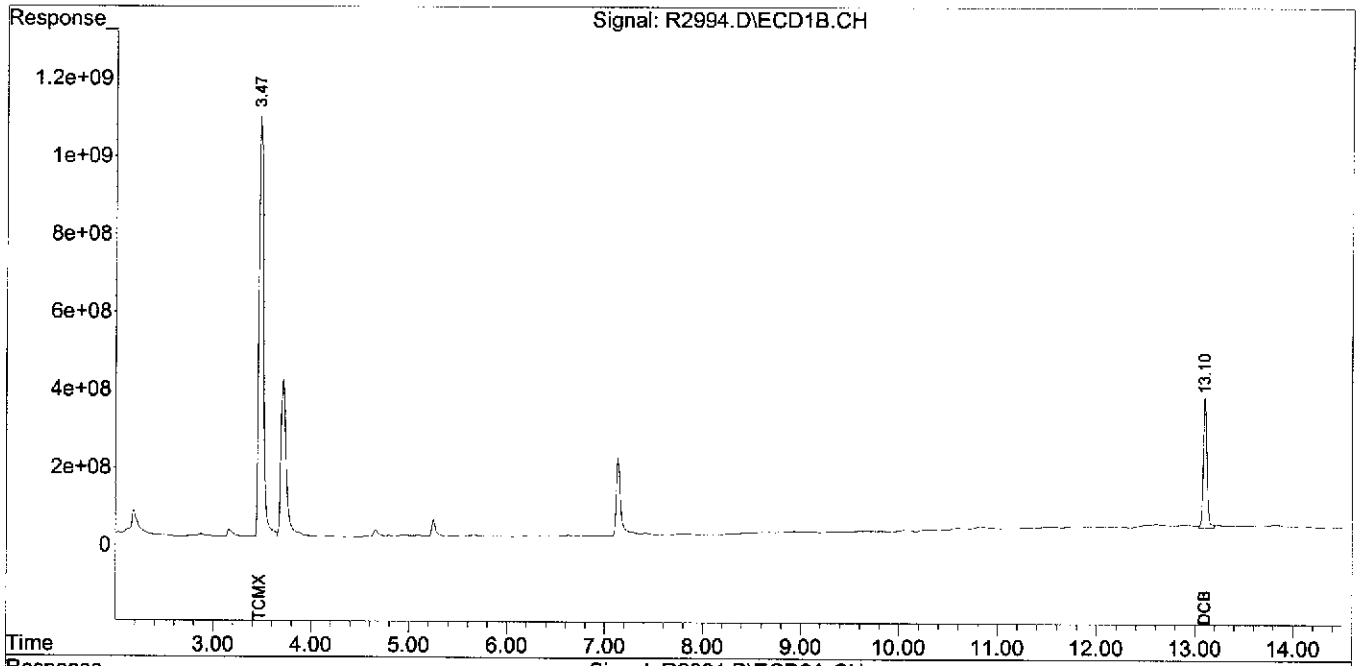
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

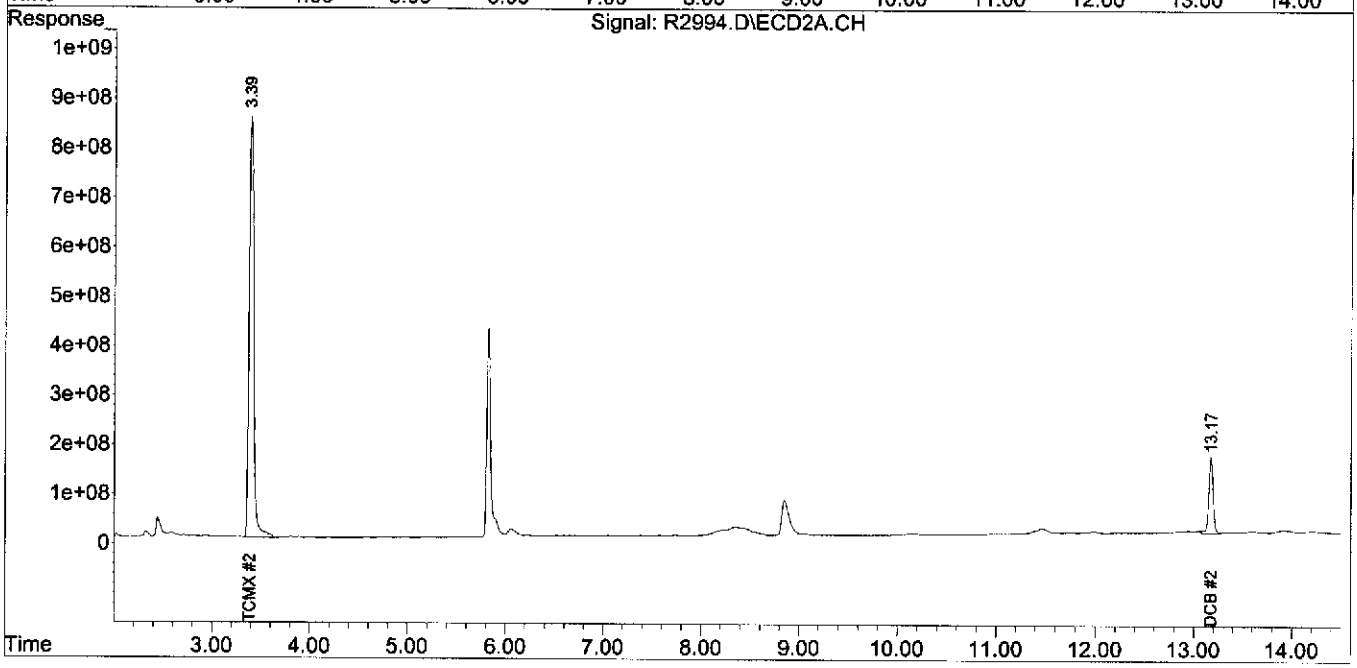
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2994.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 16:17
Operator : YG
Sample : S-9_(4.75-,07685-020,S,5.42g,20.9,08/02/12,4
Misc : 120802-16,07/31/12,07/31/12,1
ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:47:15 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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\08-14-12\
Data File : Y8476.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 5:55
Operator : YG
Sample : R-9_(0-2.0,07685-021,S,5.35g,10.9,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:37:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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	12759.3E6	6003.2E6	134.208	171.752 #
Spiked Amount 200.000			Recovery	=	67.10%	85.88%
2) S DCB	12.10	12.49	4697.9E6	1549.3E6	227.964	180.292m
Spiked Amount 200.000			Recovery	=	113.98%	90.15%
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
23) L6 Aroclor-1248	4.51	5.13	3745.5E6	673.9E6	849.527	422.768 #
24) L6 Aroclor-1248 {2}	5.05	5.71	1057.2E6	1837.1E6	436.194	784.203 #
25) L6 Aroclor-1248 {3}	5.37	6.11	1726.4E6	883.9E6	562.617	521.820
26) L6 Aroclor-1248 {4}	6.06	6.27	3030.6E6	516.2E6	543.780	355.124 #
27) L6 Aroclor-1248 {5}	6.28	6.61	23555.7E6	765.0E6	5654.888	911.078 #
Sum Aroclor-1248			33115.4E6	4676.1E6	8047.007	2994.993
Average Aroclor-1248					1609.401	598.999
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

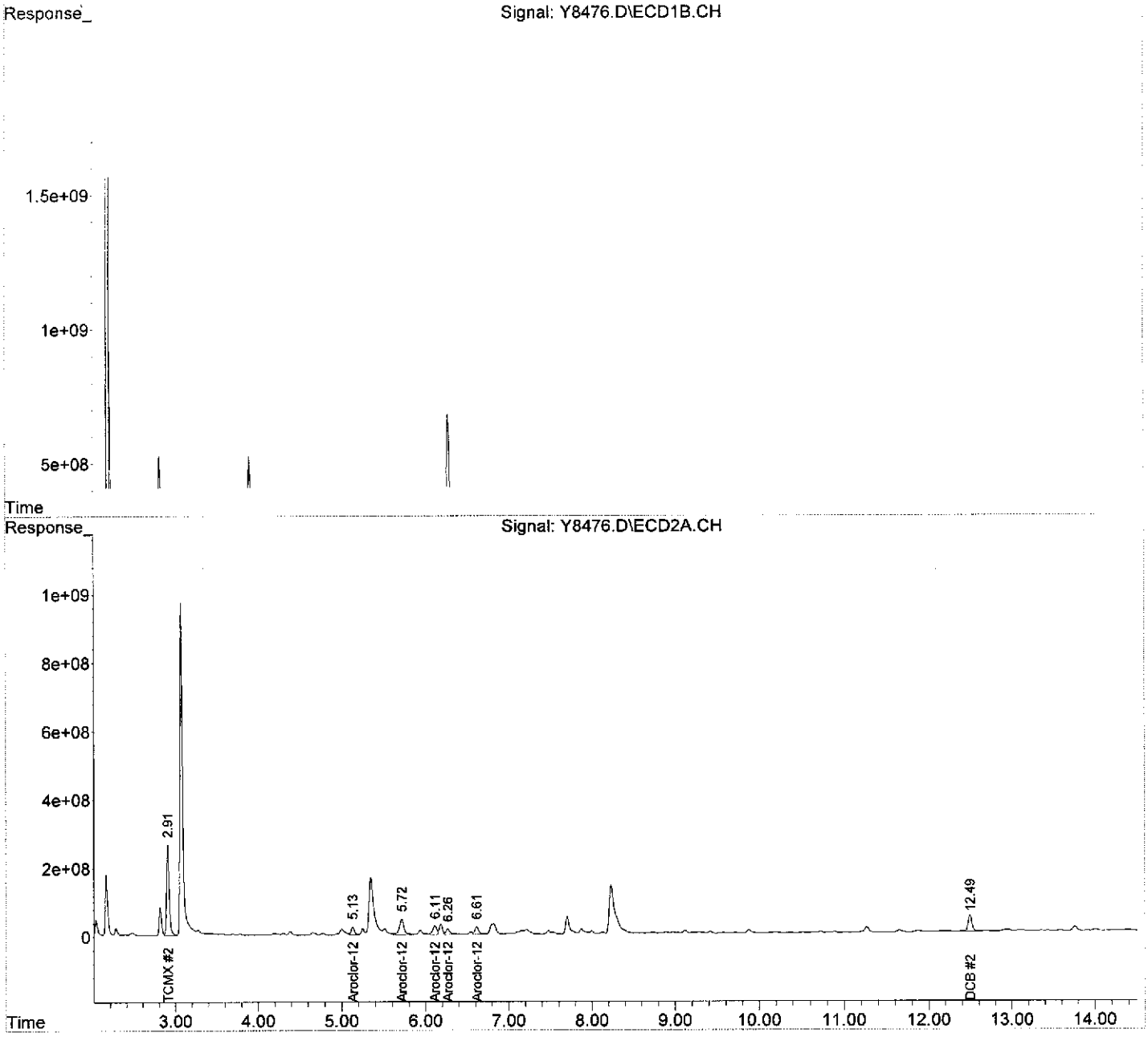
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

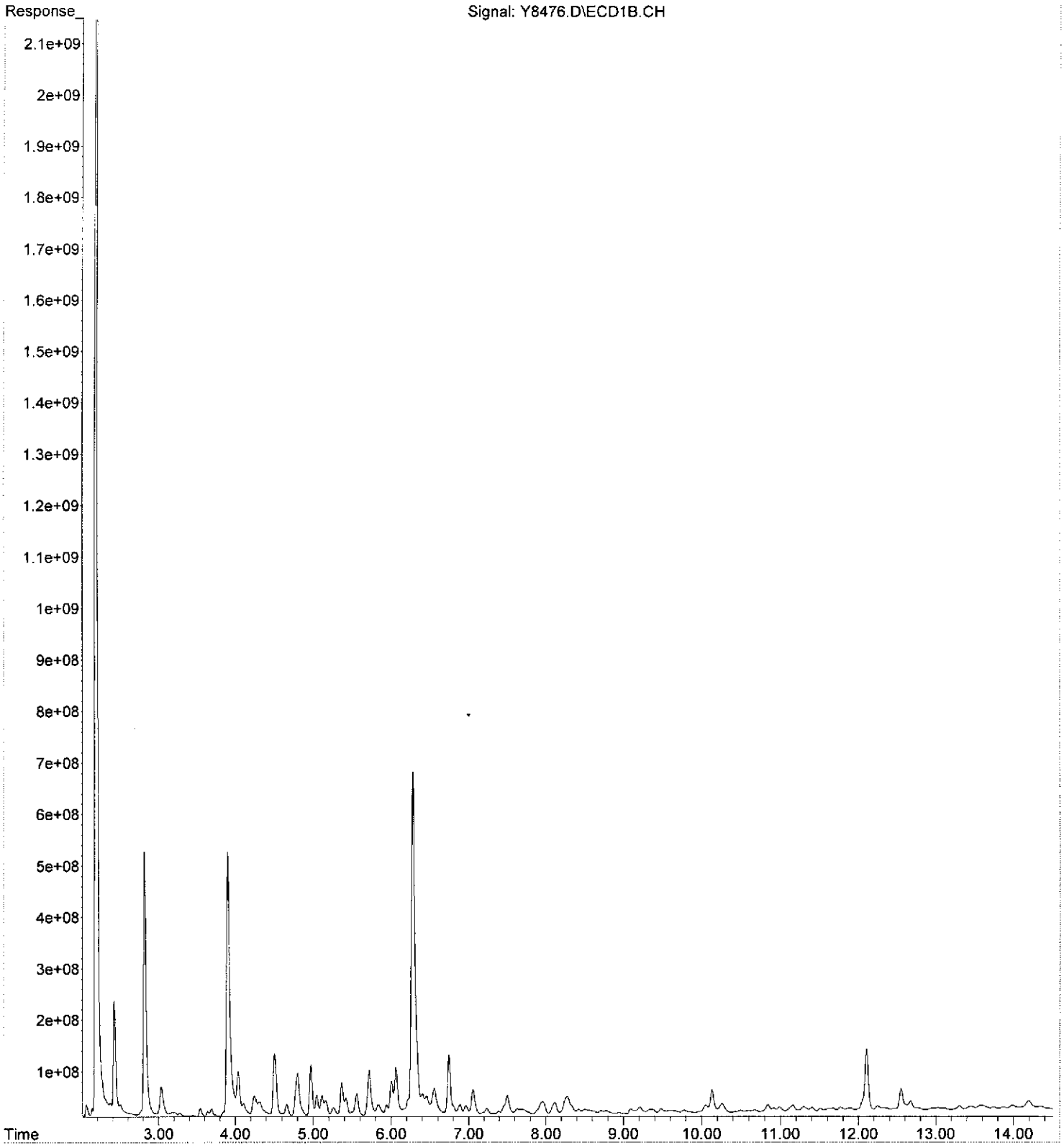
Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8476.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 5:55
Operator : YG
Sample : R-9_(0-2.0,07685-021,S,5.35g,10.9,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:37:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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\08-14-12\Y8476.D
Operator : YG
Acquired : 15 Aug 2012 5:55 using AcqMethod YPCB0727.M
Instrument : GC_Y
Sample Name: R-9_(0-2.0,07685-021,S,5.35g,10.9,08/07/12,4
Misc Info : 120807-05,07/31/12,07/31/12,1
Vial Number: 36



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8477.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 6:13
Operator : YG
Sample : R-9_(2.0-4,07685-022,S,5.80g,21.3,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 15:05:24 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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	9145.9E6	6330.5E6	96.201	181.118 #
Spiked Amount 200.000			Recovery	=	48.10%	90.56%
2) S DCB	12.10	12.49	3842.8E6	1691.4E6	186.471m	196.829m
Spiked Amount 200.000			Recovery	=	93.24%	98.41%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	1828.3E6	529.9E6	414.683	332.412m
24) L6 Aroclor-1248 {2}	5.05	5.72	714.8E6	1057.2E6	294.919	451.300m#
25) L6 Aroclor-1248 {3}	5.36	6.11	3470.4E6	583.1E6	1130.987	344.230m#
26) L6 Aroclor-1248 {4}	6.06	6.27	1995.5E6	577.2E6	358.049	397.092m
Sum Aroclor-1248			8009.0E6	2747.4E6	2198.637	1525.035
Average Aroclor-1248					549.659	381.259
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

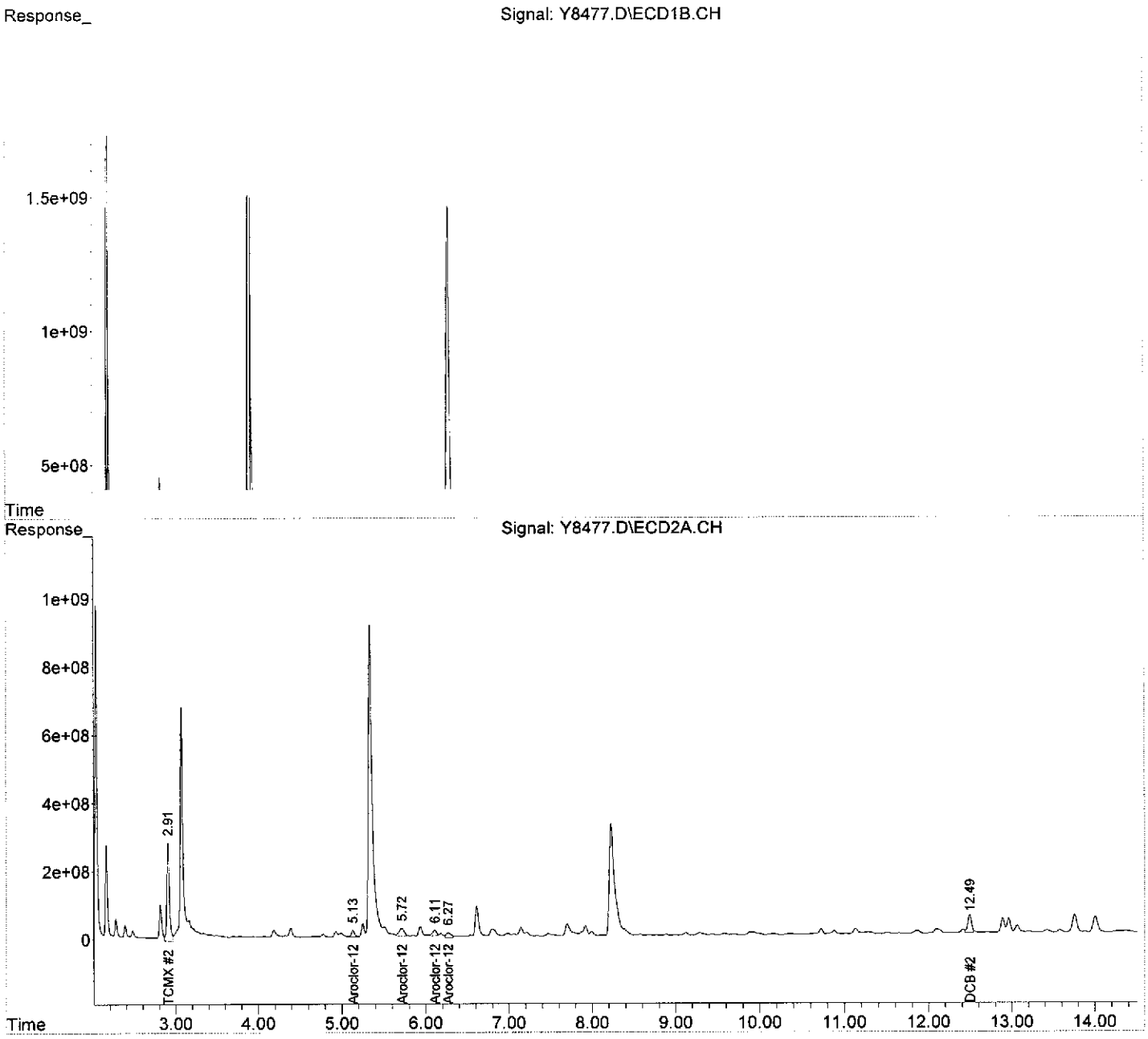
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

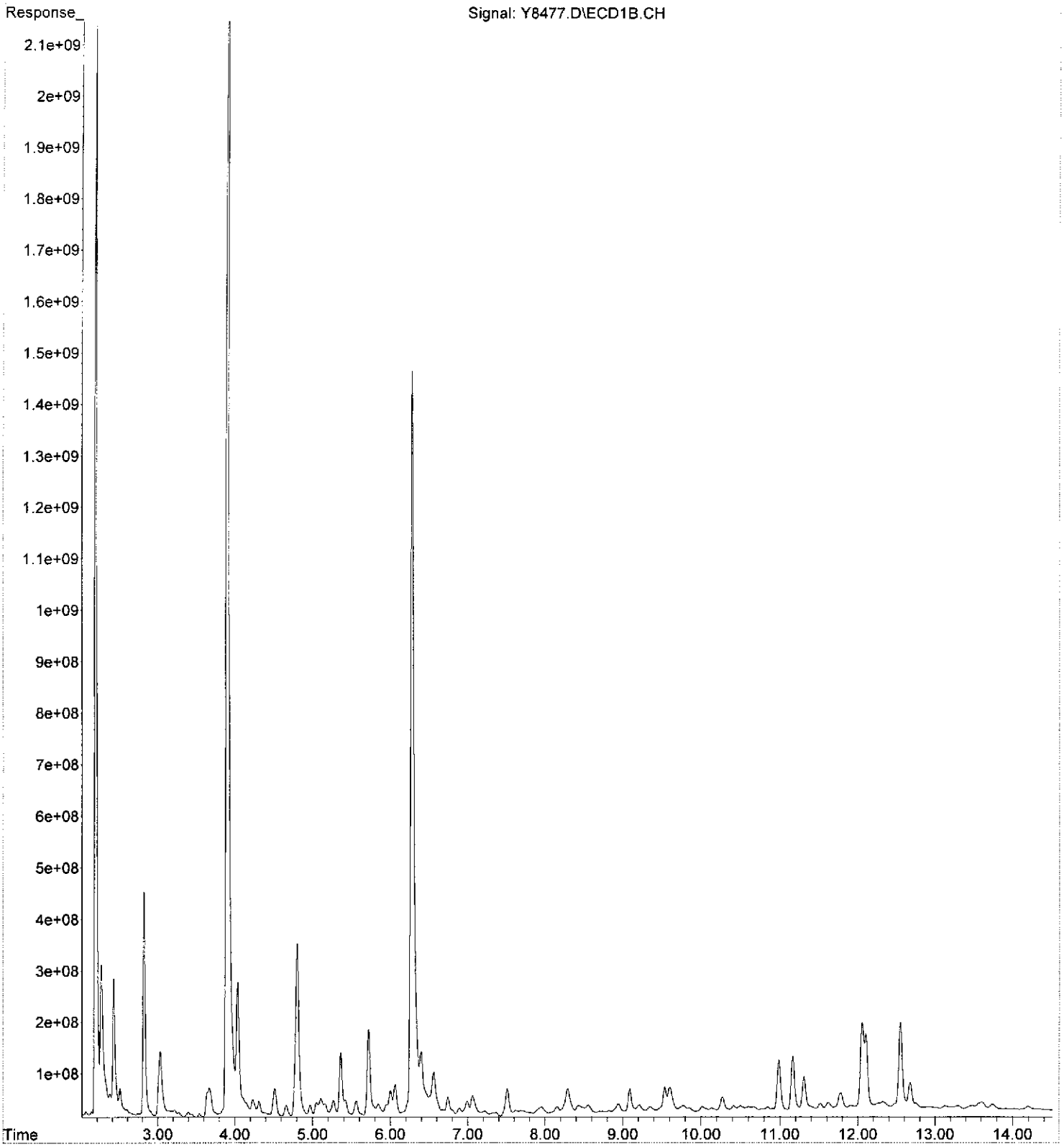
Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8477.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 6:13
Operator : YG
Sample : R-9_(2.0-4,07685-022,S,5.80g,21.3,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 15:05:24 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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\08-14-12\Y8477.D
Operator : YG
Acquired : 15 Aug 2012 6:13 using AcqMethod YPCB0727.M
Instrument : GC_Y
Sample Name: R-9_(2.0-4,07685-022,S,5.80g,21.3,08/07/12,4
Misc Info : 120807-05,07/31/12,07/31/12,1
Vial Number: 37



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8478.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 6:30
Operator : YG
Sample : R-9_(4.0-5,07685-023,S,5.68g,15.3,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:47:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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	12887.6E6	6173.6E6	135.558	176.627 #
Spiked Amount 200.000			Recovery	=	67.78%	88.31%
2) S DCB	12.10	12.49	4702.9E6	1654.7E6	228.205	192.554m
Spiked Amount 200.000			Recovery	=	114.10%	96.28%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.17	79935643	18663204	18.130	11.708 #
24) L6 Aroclor-1248 {2}	5.09	5.74	155.2E6	31276705	64.013	13.351 #
25) L6 Aroclor-1248 {3}	5.36	6.08	387.1E6	120.2E6	126.156	70.952 #
26) L6 Aroclor-1248 {4}	5.98	6.27	147.9E6	9163668	26.534	6.304 #
27) L6 Aroclor-1248 {5}	0.00	6.62	0	20868710	N.D. d	24.855 #
Sum Aroclor-1248			770.1E6	200.2E6	234.833	127.169
Average Aroclor-1248					58.708	25.434
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

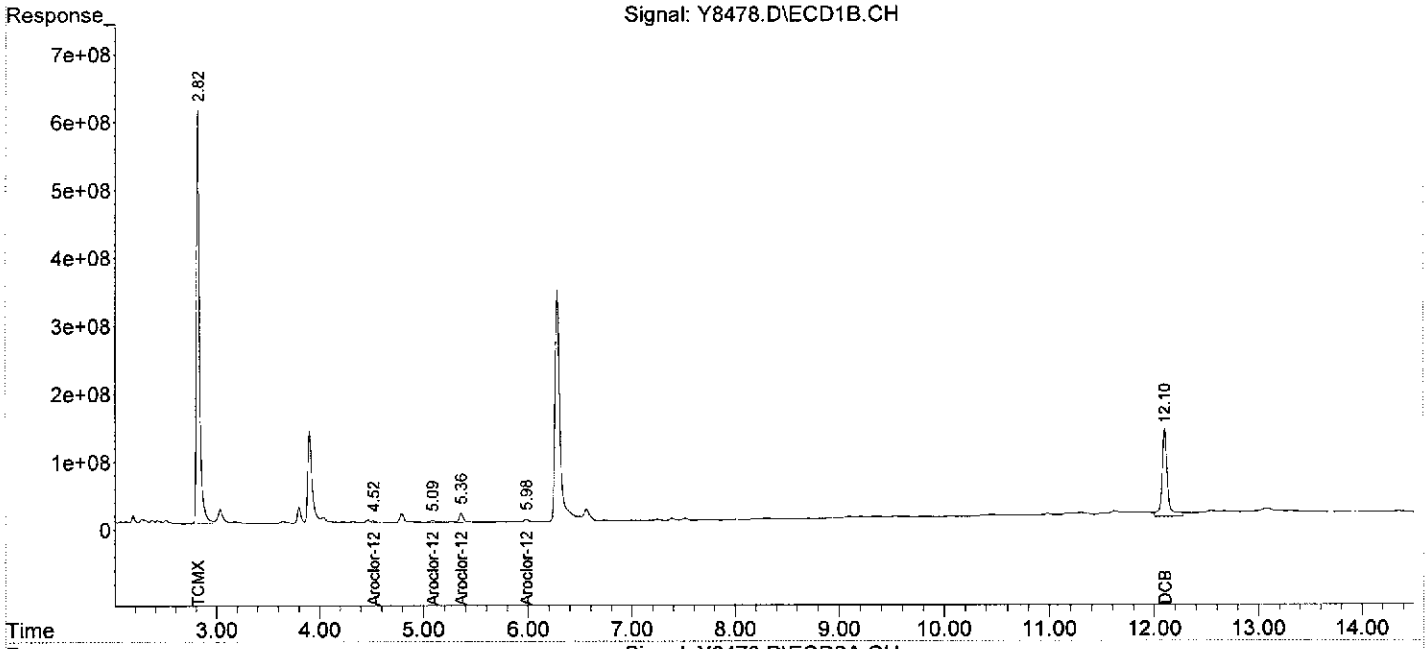
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

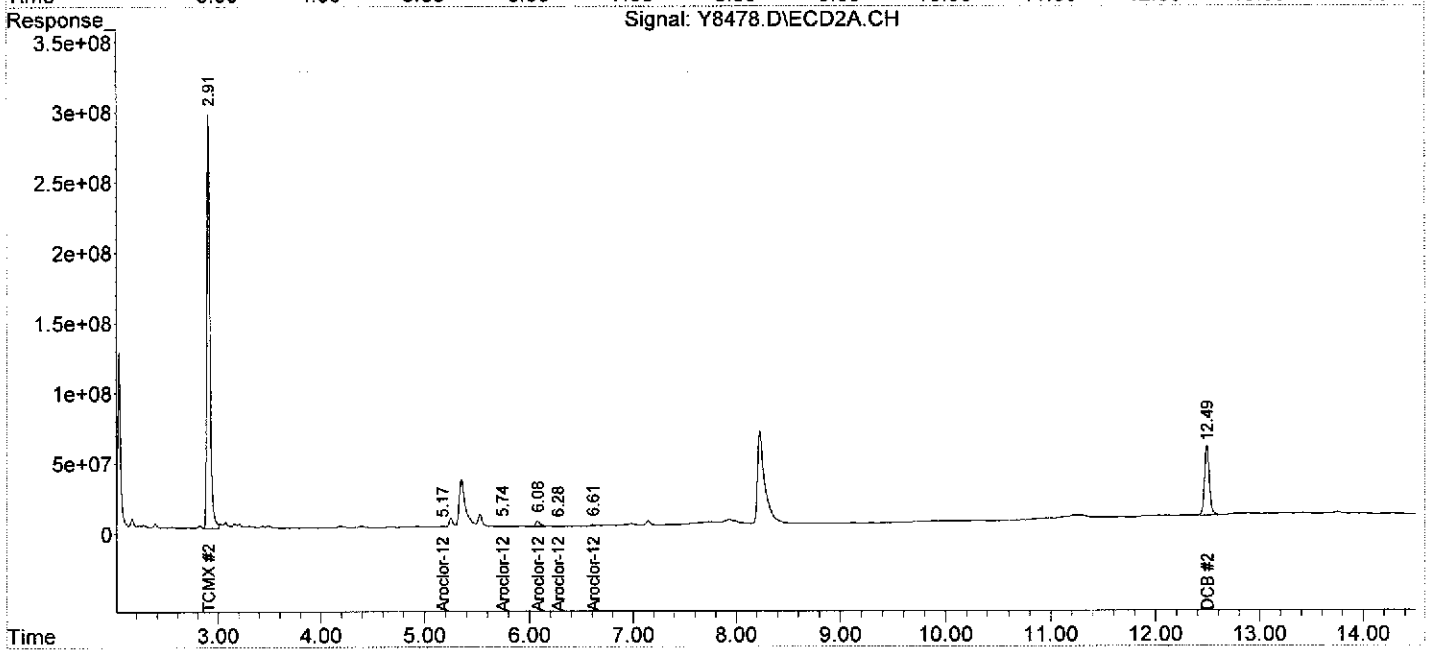
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8478.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 6:30
Operator : YG
Sample : R-9_(4.0-5,07685-023,S,5.68g,15.3,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:47:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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\08-14-12\
Data File : Y8479.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 6:47
Operator : YG
Sample : R-9_(5.25-,07685-024,S,5.12g,67.2,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:48:31 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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	21507.1E6	7760.5E6	226.222	222.031
Spiked Amount 200.000			Recovery	=	113.11%	111.02%
2) S DCB	12.10	12.49	4891.4E6	2049.0E6	237.353	238.436
Spiked Amount 200.000			Recovery	=	118.68%	119.22%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.53	5.17	119.1E6	1072016	27.006	0.672 #
24) L6 Aroclor-1248 {2}	5.08	5.74	136.3E6	29469801	56.239	12.580 #
25) L6 Aroclor-1248 {3}	5.36	6.08	864.1E6	331.1E6	281.593	195.497 #
26) L6 Aroclor-1248 {4}	5.98	6.38	117.5E6	7534930	21.077	5.184 #
27) L6 Aroclor-1248 {5}	0.00	6.62	0	28712736	N.D. d	34.197 #
Sum Aroclor-1248			1236.9E6	397.9E6	385.914	248.130
Average Aroclor-1248					96.479	49.626
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

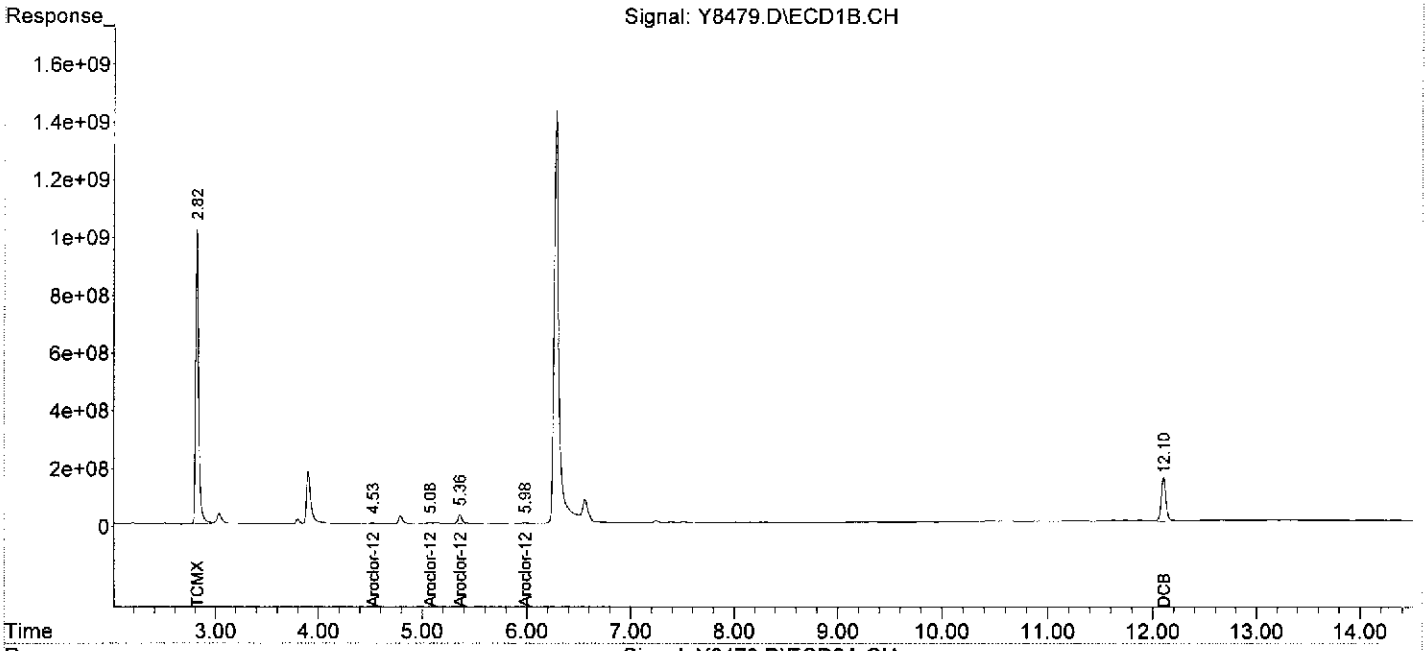
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

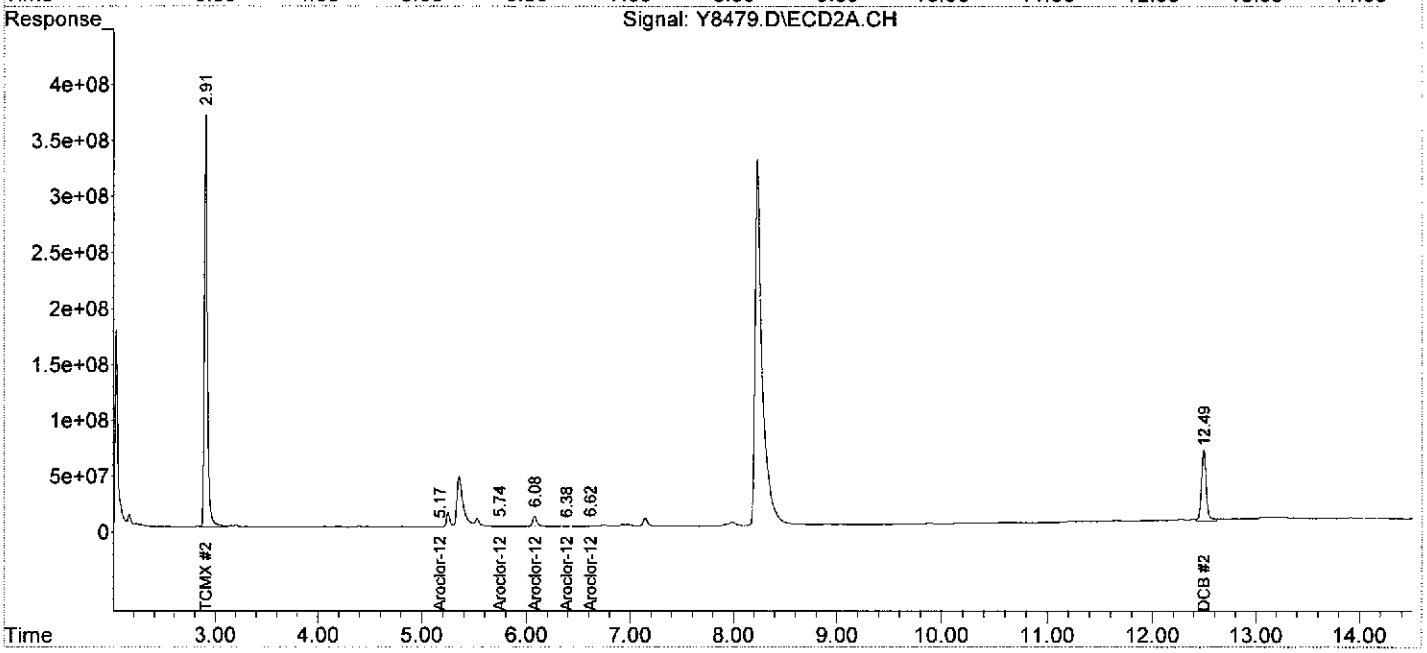
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8479.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 6:47
Operator : YG
Sample : R-9_(5.25-,07685-024,S,5.12g,67.2,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:48:31 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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\08-14-12\
Data File : Y8480.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 7:04
Operator : YG
Sample : R-9_(6.0-8,07685-025,S,5.79g,18.4,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:49:37 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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	17887.4E6	6267.8E6	188.149	179.324
Spiked Amount 200.000			Recovery	=	94.07%	89.66%
2) S DCB	12.11	12.49	4061.4E6	1720.8E6	197.078	200.242
Spiked Amount 200.000			Recovery	=	98.54%	100.12%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	39943523	3887771	9.060	2.439 #
24) L6 Aroclor-1248 {2}	5.11	5.72	84844416	36257128	35.005	15.477 #
25) L6 Aroclor-1248 {3}	5.36	6.08	341.2E6	100.1E6	111.208	59.093 #
26) L6 Aroclor-1248 {4}	6.06	6.26	11854929	8280087	2.127	5.696 #
27) L6 Aroclor-1248 {5}	0.00	6.62	0	19513902	N.D. d	23.241 #
Sum Aroclor-1248			477.9E6	168.0E6	157.400	105.946
Average Aroclor-1248					39.350	21.189
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

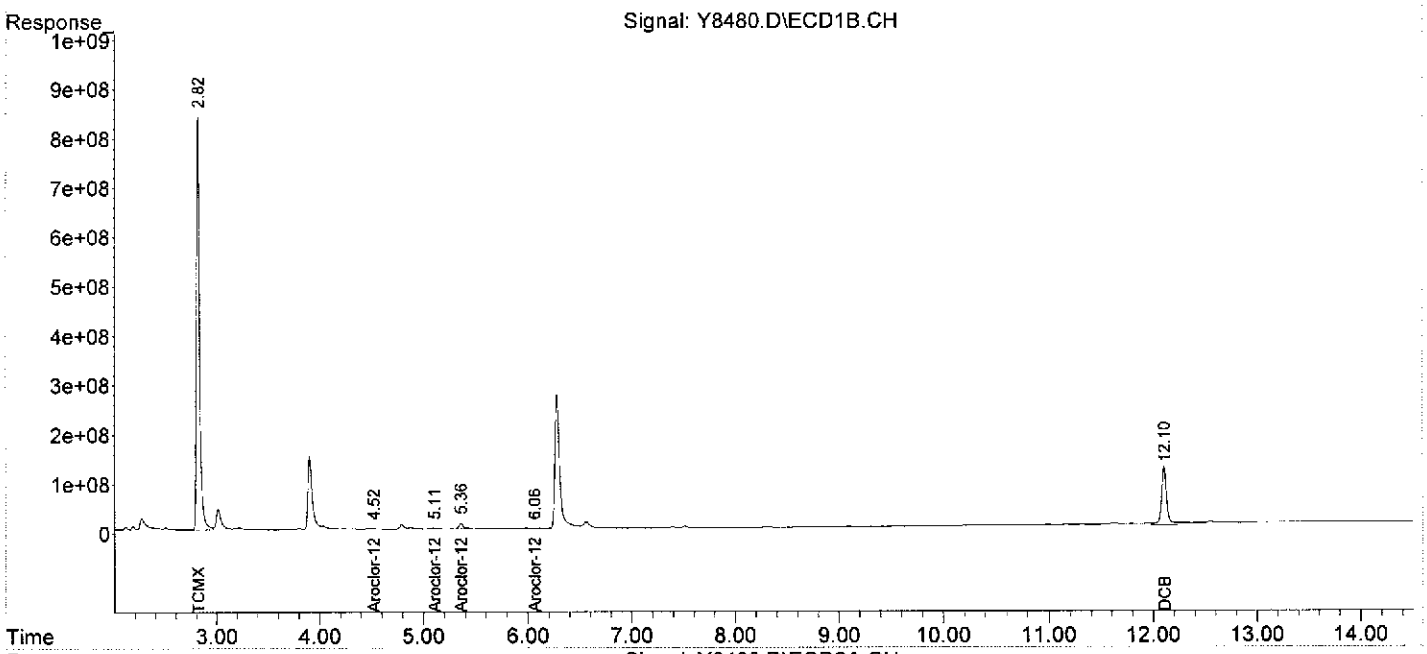
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

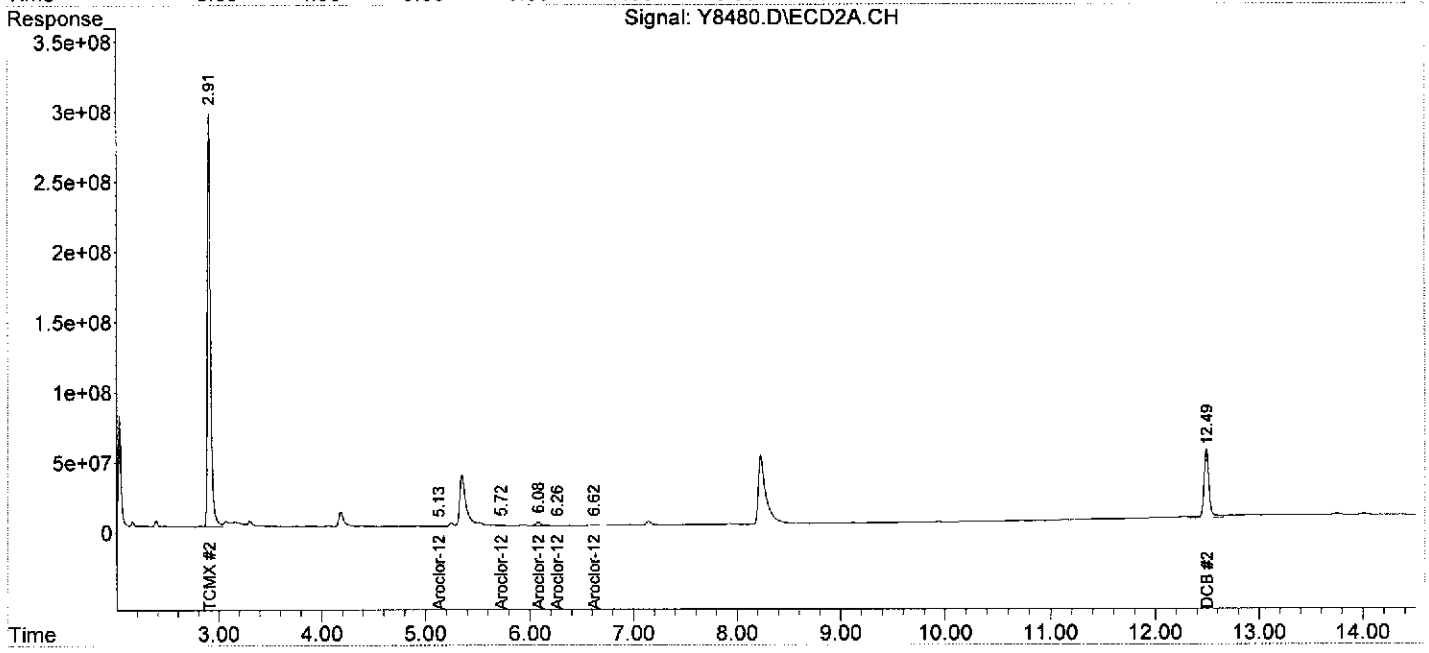
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8480.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 7:04
Operator : YG
Sample : R-9_(6.0-8,07685-025,S,5.79g,18.4,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:49:37 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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\08-14-12\
Data File : Y8481.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 7:21
Operator : YG
Sample : Q-9_(0-2.0,07685-026,S,5.21g,23.9,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 15:27:08 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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	13004.8E6	5637.3E6	136.791	161.284
Spiked Amount 200.000			Recovery	=	68.40%	80.64%
2) S DCB	12.10	12.49	5028.8E6	1552.4E6	244.022m	180.650m#
Spiked Amount 200.000			Recovery	=	122.01%	90.33%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	4968.1E6	928.7E6	1126.832	582.607m#
24) L6 Aroclor-1248 {2}	5.04	5.72	916.8E6	1020.5E6	378.251	435.632m
25) L6 Aroclor-1248 {3}	0.00	6.12	0	1119.5E6	N.D. d	660.908m#
26) L6 Aroclor-1248 {4}	6.06	6.27	4258.7E6	840.6E6	764.146	578.273m
27) L6 Aroclor-1248 {5}	0.00	6.61	0	3029.6E6	N.D. d	3608.222m#
Sum Aroclor-1248			10143.6E6	6938.9E6	2269.228	5865.642
Average Aroclor-1248					756.409	1173.128
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

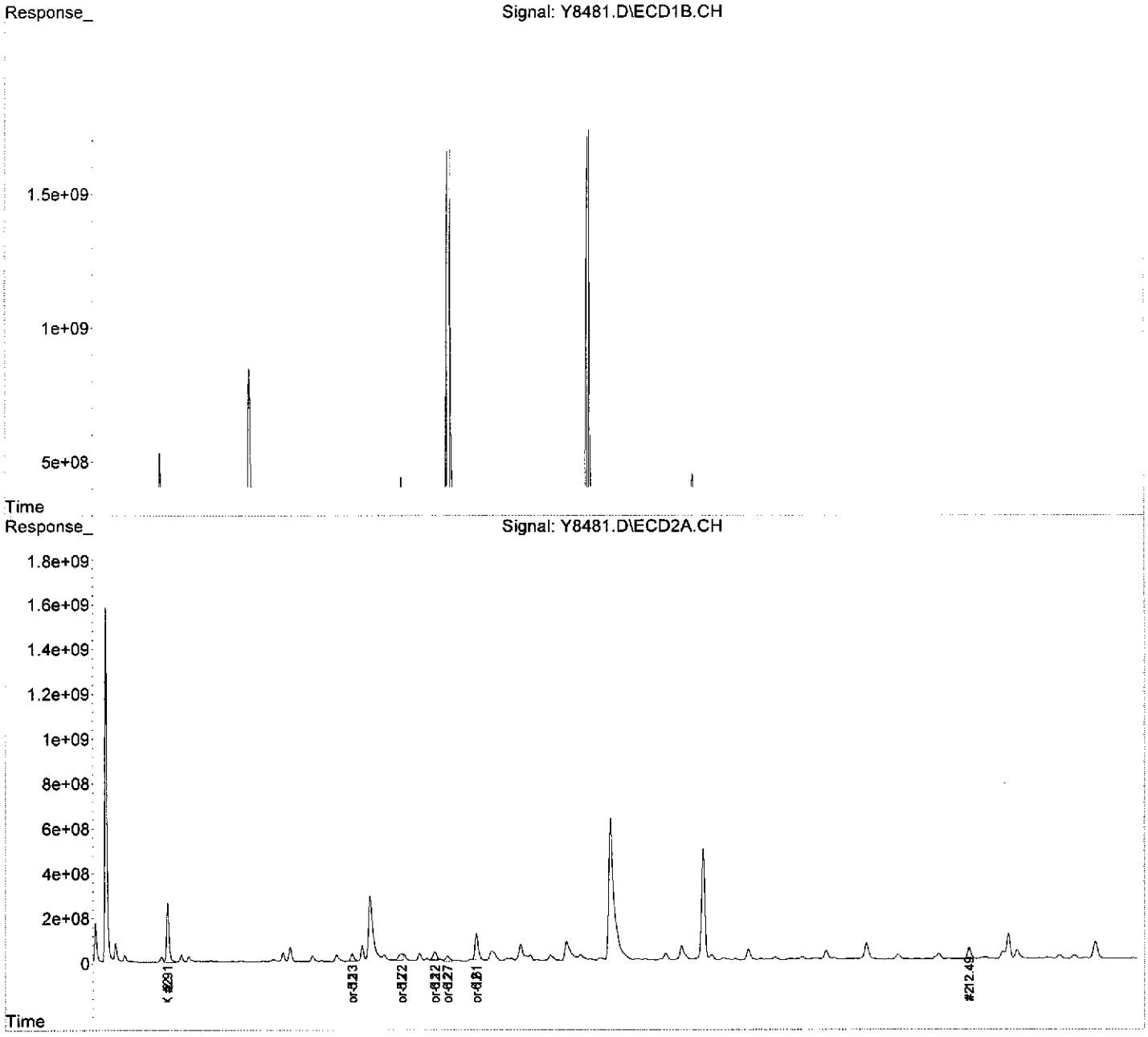
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

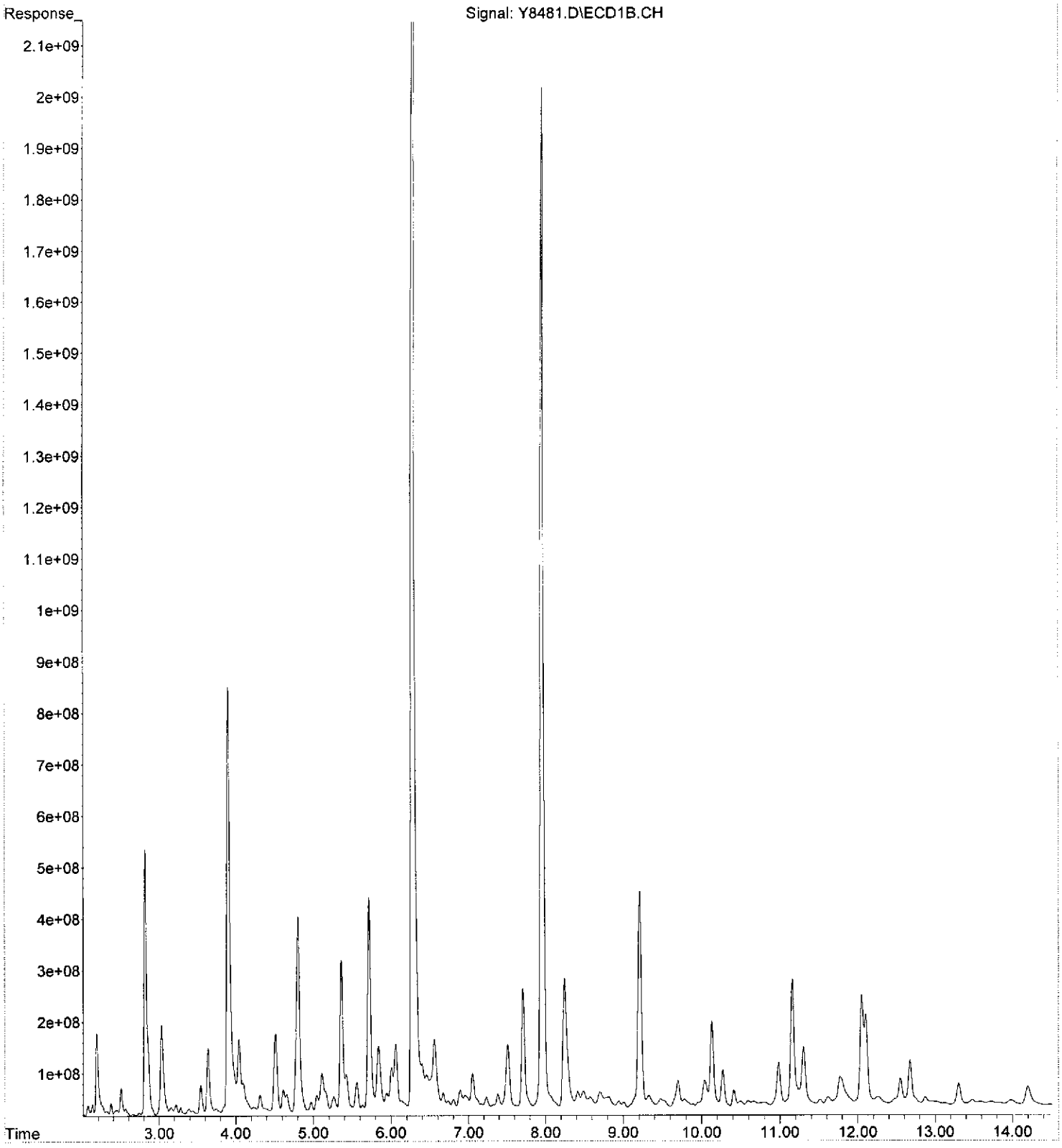
Data Path : C:\MSDChem\1\DATA\08-14-12\
Data File : Y8481.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 7:21
Operator : YG
Sample : Q-9_(0-2.0,07685-026,S,5.21g,23.9,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 15:27:08 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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\08-14-12\Y8481.D
Operator : YG
Acquired : 15 Aug 2012 7:21 using AcqMethod YPCB0727.M
Instrument : GC_Y
Sample Name: Q-9_(0-2.0,07685-026,S,5.21g,23.9,08/07/12,4
Misc Info : 120807-05,07/31/12,07/31/12,1
Vial Number: 41



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8482.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 7:39
Operator : YG
Sample : Q-9_(2.0-4,07685-027,S,5.51g,27.2,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 15:08:44 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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	10331.7E6	6158.8E6	108.674	176.206 #
Spiked Amount 200.000			Recovery	=	54.34%	88.10%
2) S DCB	12.09	12.49	4348.0E6	1336.3E6	210.986m	155.506m#
Spiked Amount 200.000			Recovery	=	105.49%	77.75%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	2628.2E6	889.4E6	596.116	557.959m
24) L6 Aroclor-1248 {2}	5.11	5.75	3720.9E6	1112.2E6	1535.171	474.746m#
25) L6 Aroclor-1248 {3}	5.36	6.11	11623.6E6	563.9E6	3788.044	332.913m#
26) L6 Aroclor-1248 {4}	6.06	6.26	1870.6E6	625.0E6	335.653	429.989m#
27) L6 Aroclor-1248 {5}	0.00	6.61	0	12506.8E6	N.D. d	14895.603 #
Sum Aroclor-1248			19843.4E6	15697.3E6	6254.984	16691.210
Average Aroclor-1248					1563.746	3338.242
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

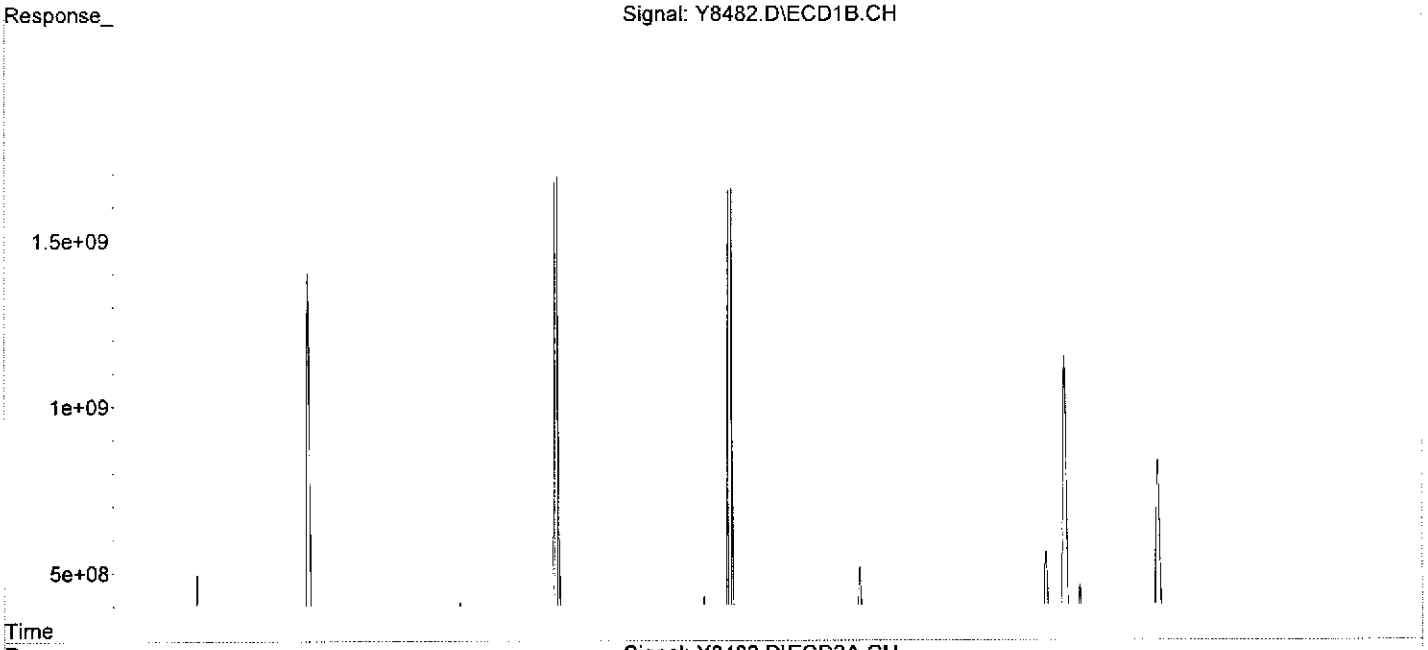
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

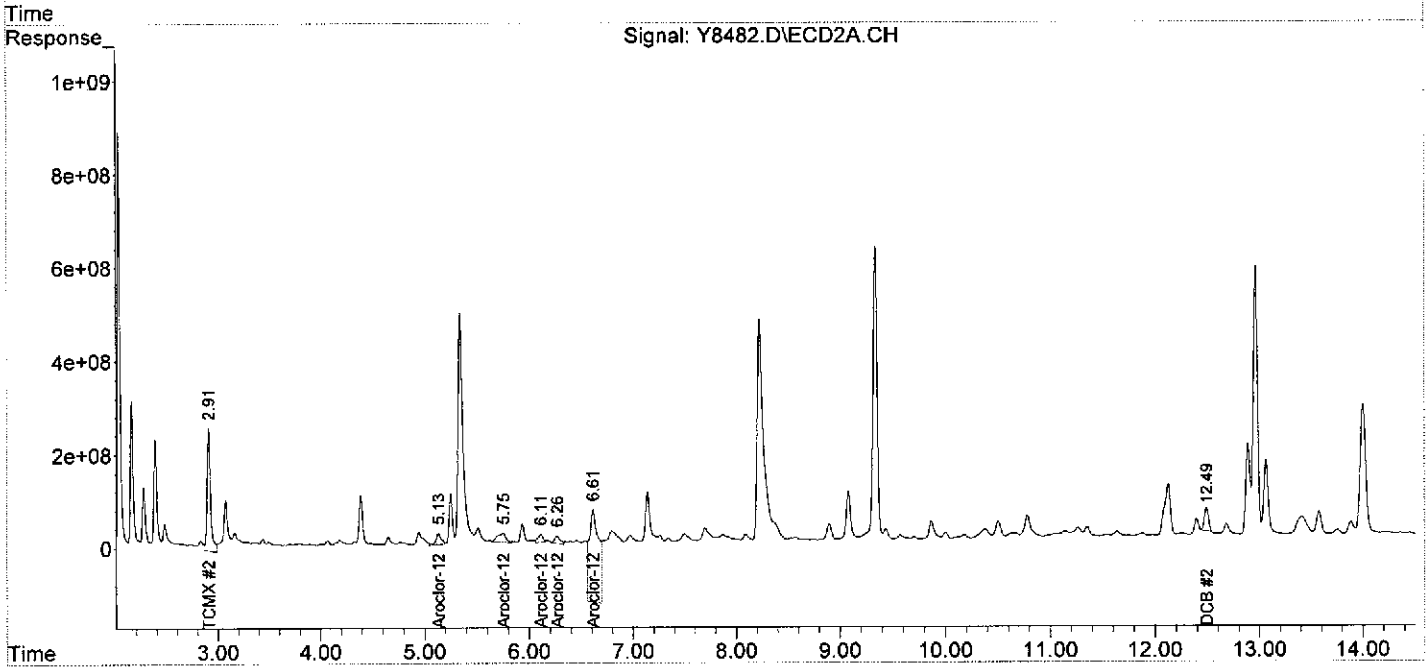
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8482.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 7:39
Operator : YG
Sample : Q-9_(2.0-4,07685-027,S,5.51g,27.2,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 42 Sample Multiplier: 1

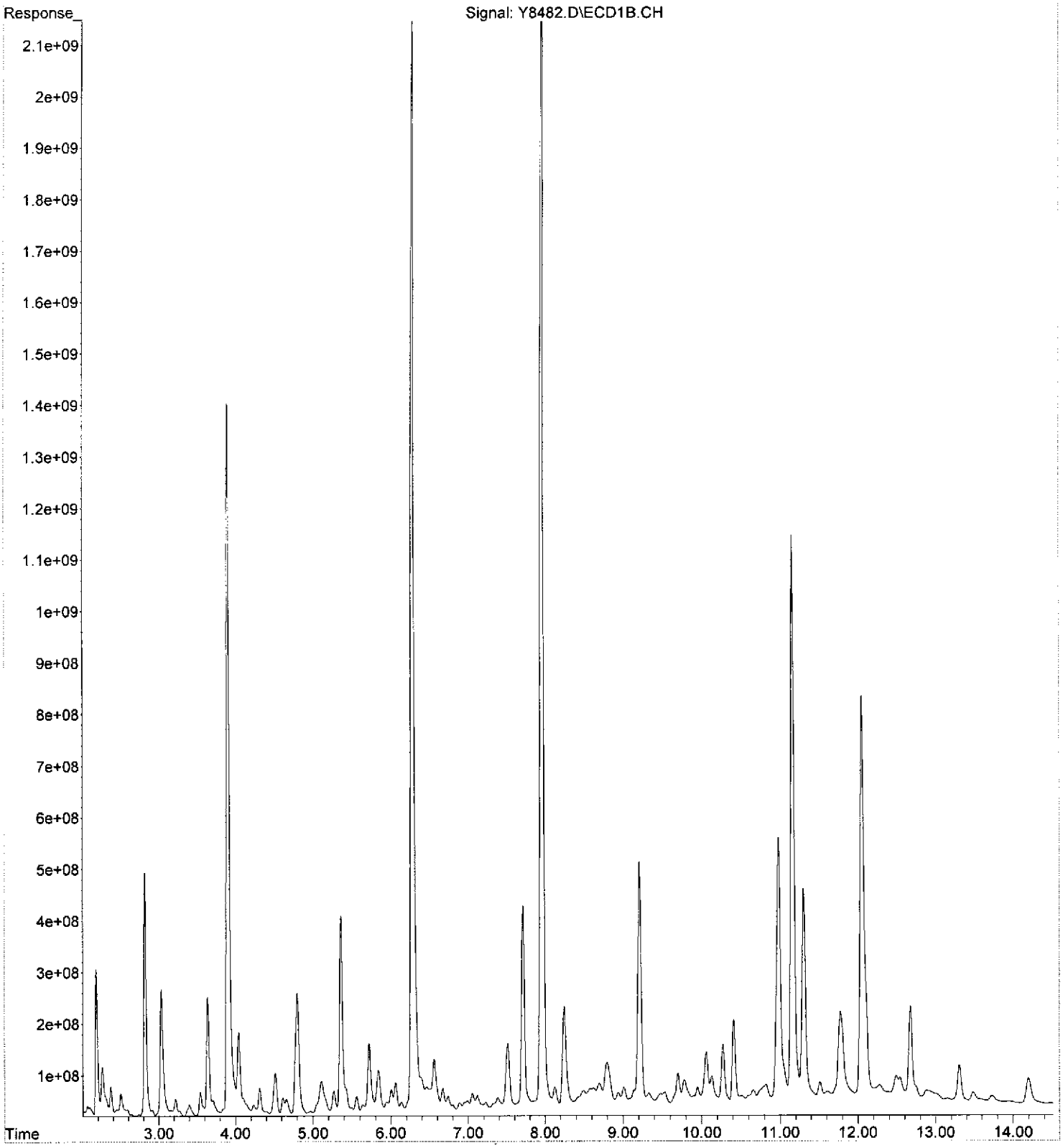
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 15:08:44 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





File :C:\MSDChem\1\DATA\08-14-12\Y8482.D
Operator : YG
Acquired : 15 Aug 2012 7:39 using AcqMethod YPCB0727.M
Instrument : GC_Y
Sample Name: Q-9_(2.0-4,07685-027,S,5.51g,27.2,08/07/12,4
Misc Info : 120807-05,07/31/12,07/31/12,1
Vial Number: 42



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8483.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 7:56
Operator : YG
Sample : Q-9_(4.0-5,07685-028,S,5.78g,22.4,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 15:09:37 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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	18461.2E6	6251.4E6	194.184	178.854
Spiked Amount 200.000			Recovery	=	97.09%	89.43%
2) S DCB	12.11	12.49	4472.0E6	1682.2E6	217.004	195.751m
Spiked Amount 200.000			Recovery	=	108.50%	97.88%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

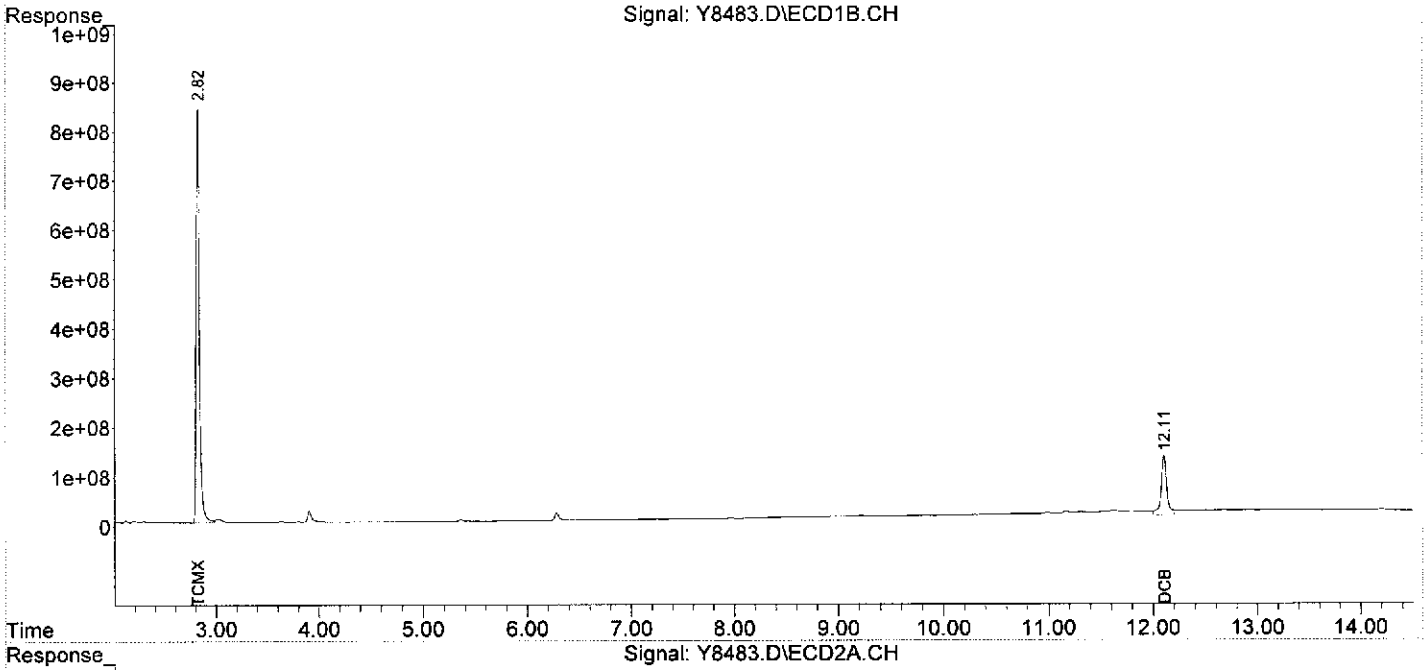
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

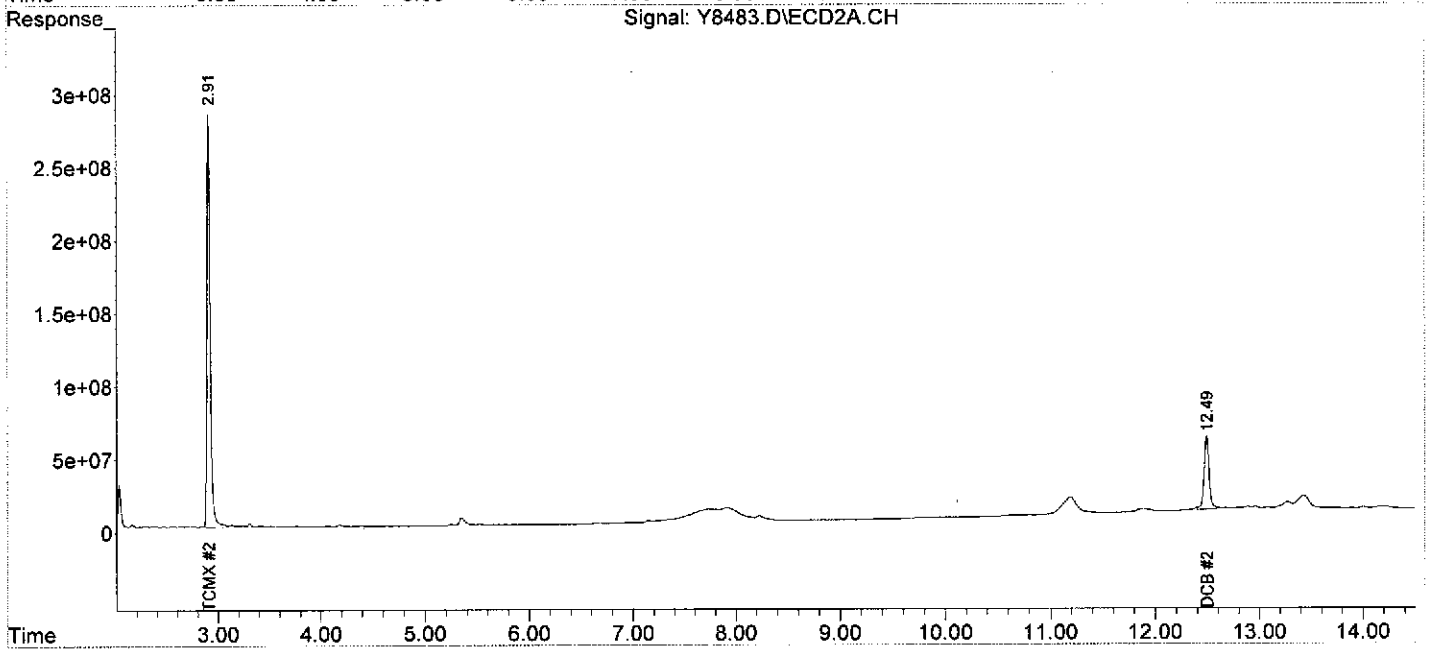
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8483.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 7:56
Operator : YG
Sample : Q-9_(4.0-5,07685-028,S,5.78g,22.4,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 15:09:37 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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\08-14-12\
Data File : Y8484.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 8:13
Operator : YG
Sample : Q-9_(5.0-6,07685-029,S,5.13g,22.7,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 15:10:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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	18323.8E6	6110.4E6	192.739	174.820
Spiked Amount 200.000			Recovery	=	96.37%	87.41%
2) S DCB	12.10	12.49	4024.3E6	1648.0E6	195.279	191.777
Spiked Amount 200.000			Recovery	=	97.64%	95.89%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

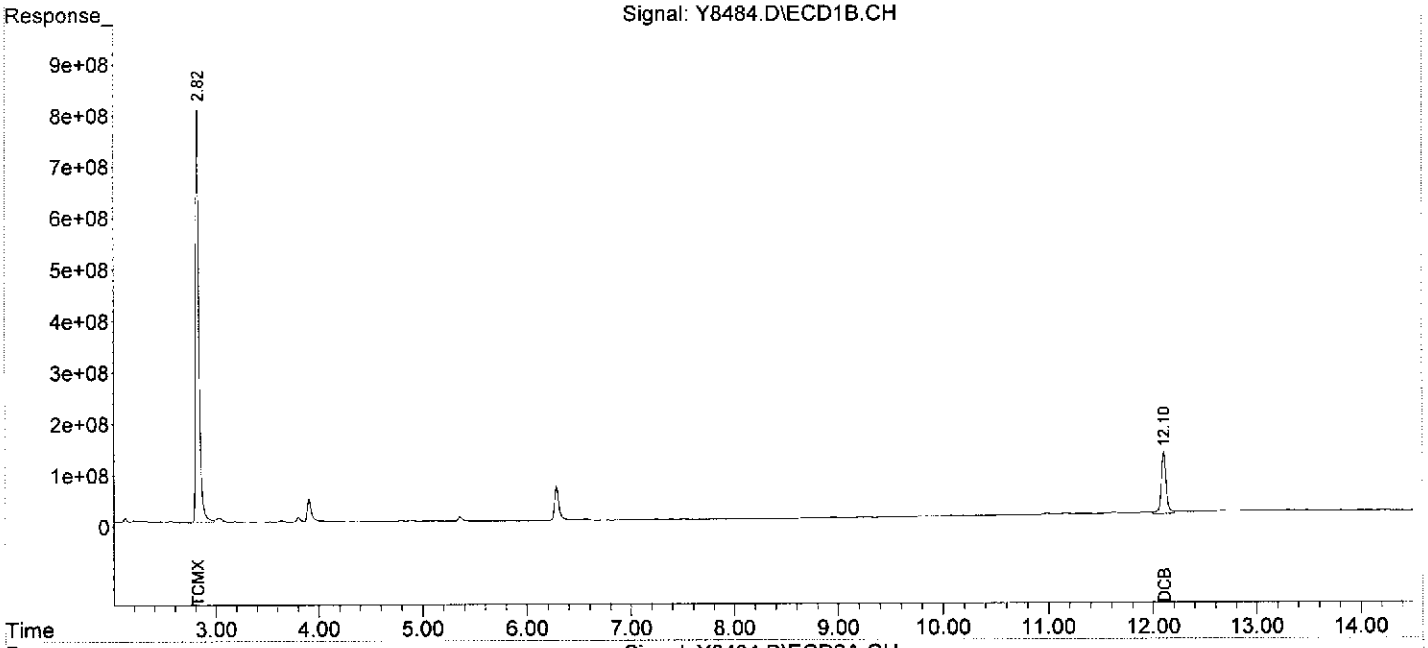
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

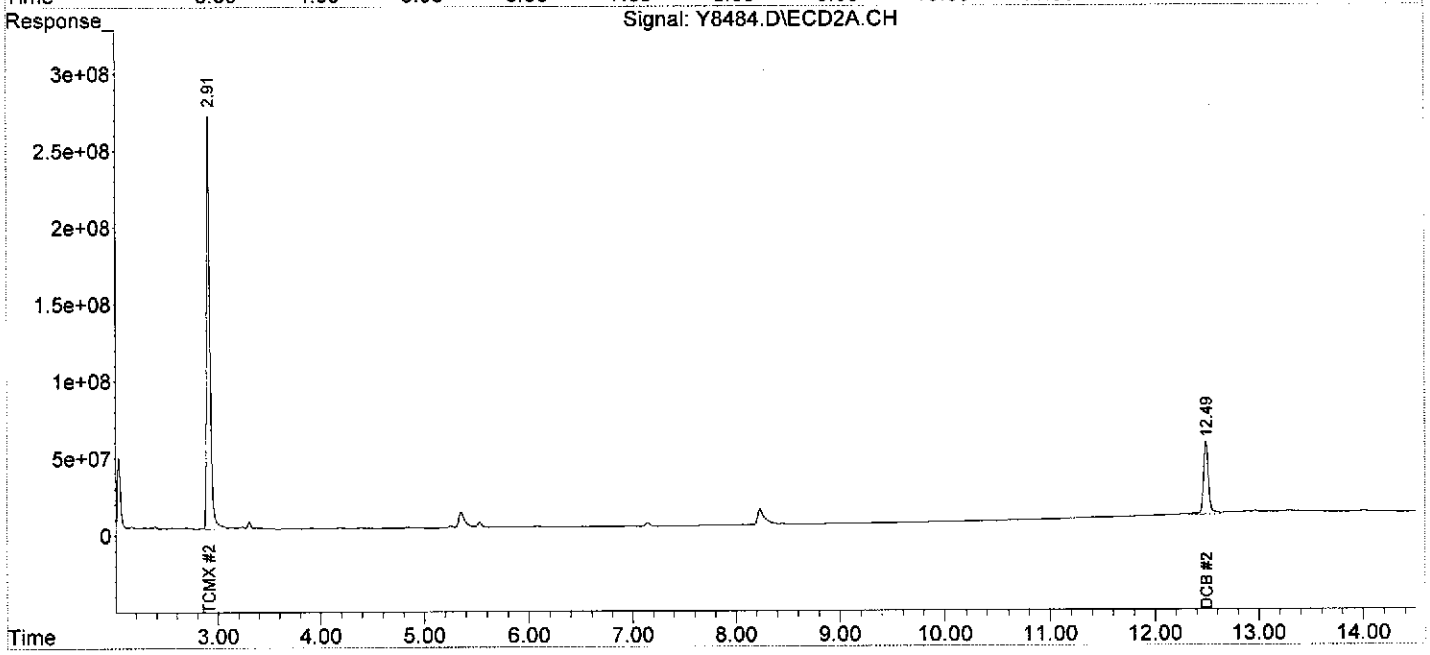
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8484.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 8:13
Operator : YG
Sample : Q-9_(5.0-6,07685-029,S,5.13g,22.7,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 15:10:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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\08-14-12\
Data File : Y8485.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 8:30
Operator : YG
Sample : Q-9_(6.0-8,07685-030,S,5.22g,20.5,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 15:10:38 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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	18379.4E6	6172.0E6	193.323	176.583
Spiked Amount 200.000			Recovery	=	96.66%	88.29%
2) S DCB	12.10	12.49	3900.0E6	1710.5E6	189.244	199.049
Spiked Amount 200.000			Recovery	=	94.62%	99.52%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

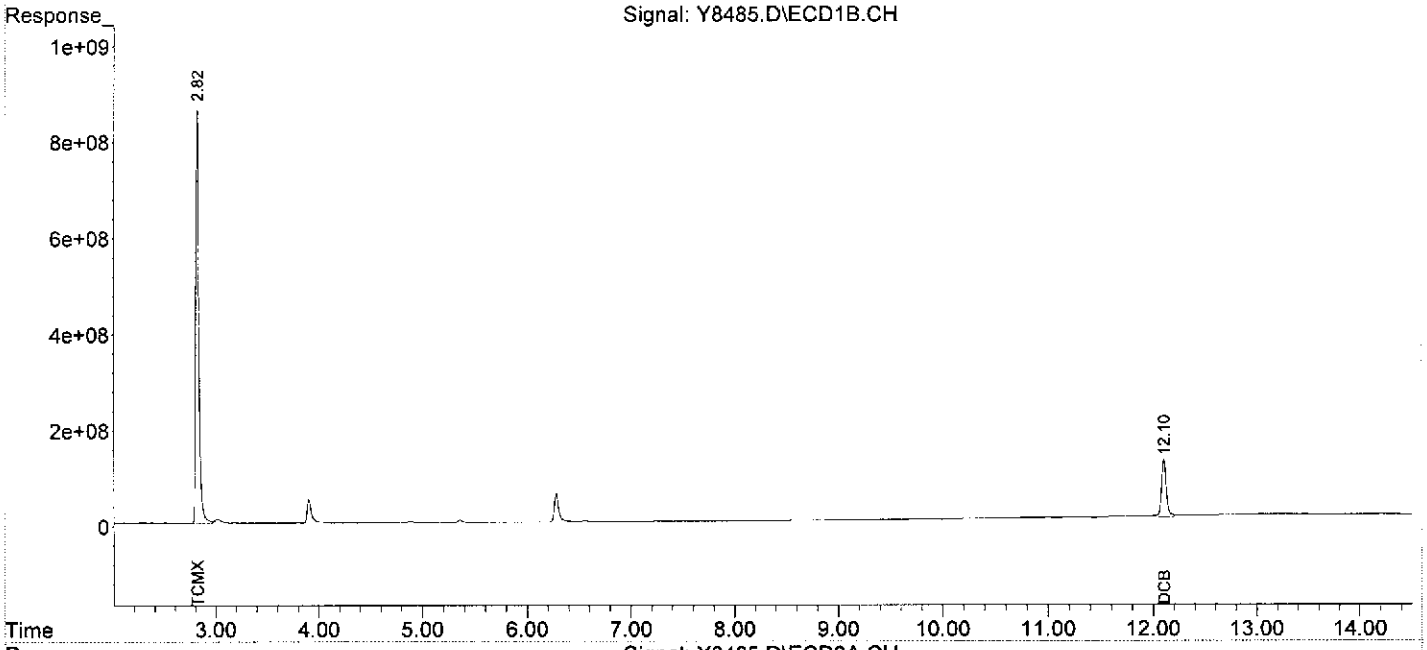
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

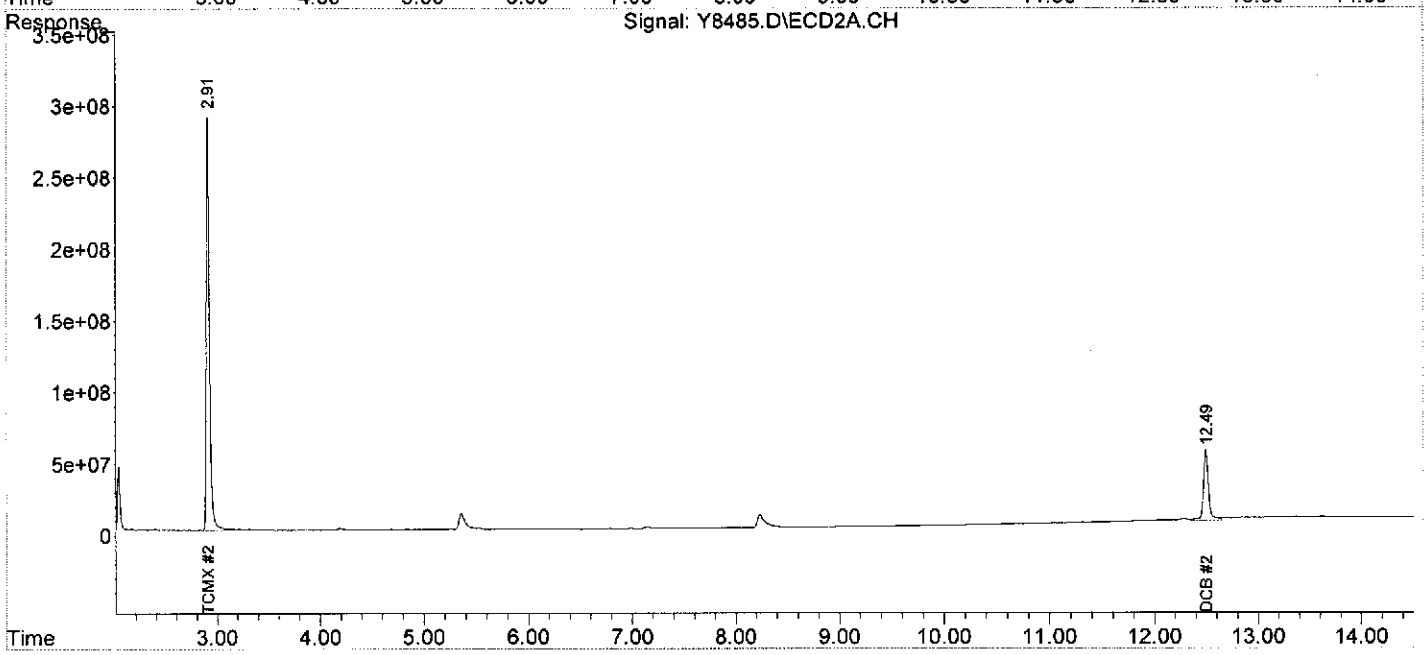
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8485.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 8:30
Operator : YG
Sample : Q-9_(6.0-8,07685-030,S,5.22g,20.5,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 15:10:38 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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\08-14-12\
Data File : Y8486.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 8:47
Operator : YG
Sample : P-8_(0-2.0,07685-031,S,5.68g,27.3,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 15:11:35 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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	18917.5E6	6475.5E6	198.983	185.266
Spiked Amount 200.000			Recovery	=	99.49%	92.63%
2) S DCB	12.10	12.49	4842.5E6	1567.7E6	234.978	182.428m
Spiked Amount 200.000			Recovery	=	117.49%	91.21%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.13	671.7E6	308.5E6	152.357	193.497 #
24) L6 Aroclor-1248 {2}	5.05	5.72	232.6E6	319.8E6	95.956	136.515 #
25) L6 Aroclor-1248 {3}	5.36	6.11	662.9E6	198.0E6	216.021	116.871 #
26) L6 Aroclor-1248 {4}	6.06	6.27	1025.3E6	110.8E6	183.970	76.222 #
27) L6 Aroclor-1248 {5}	6.33	6.62	640.9E6	149.2E6	153.866	177.730
Sum Aroclor-1248			3233.4E6	1086.2E6	802.170	700.835
Average Aroclor-1248					160.434	140.167
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

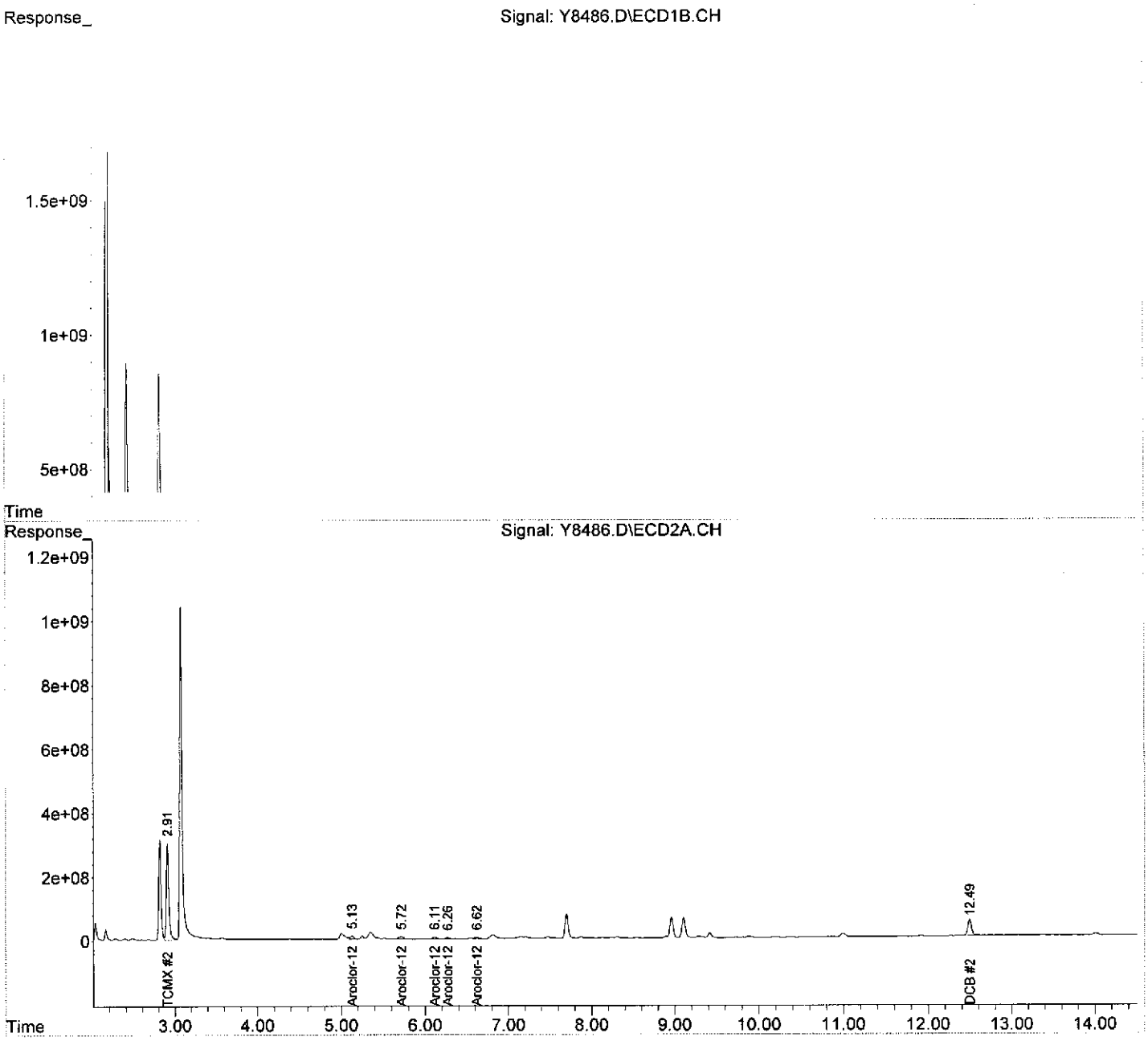
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

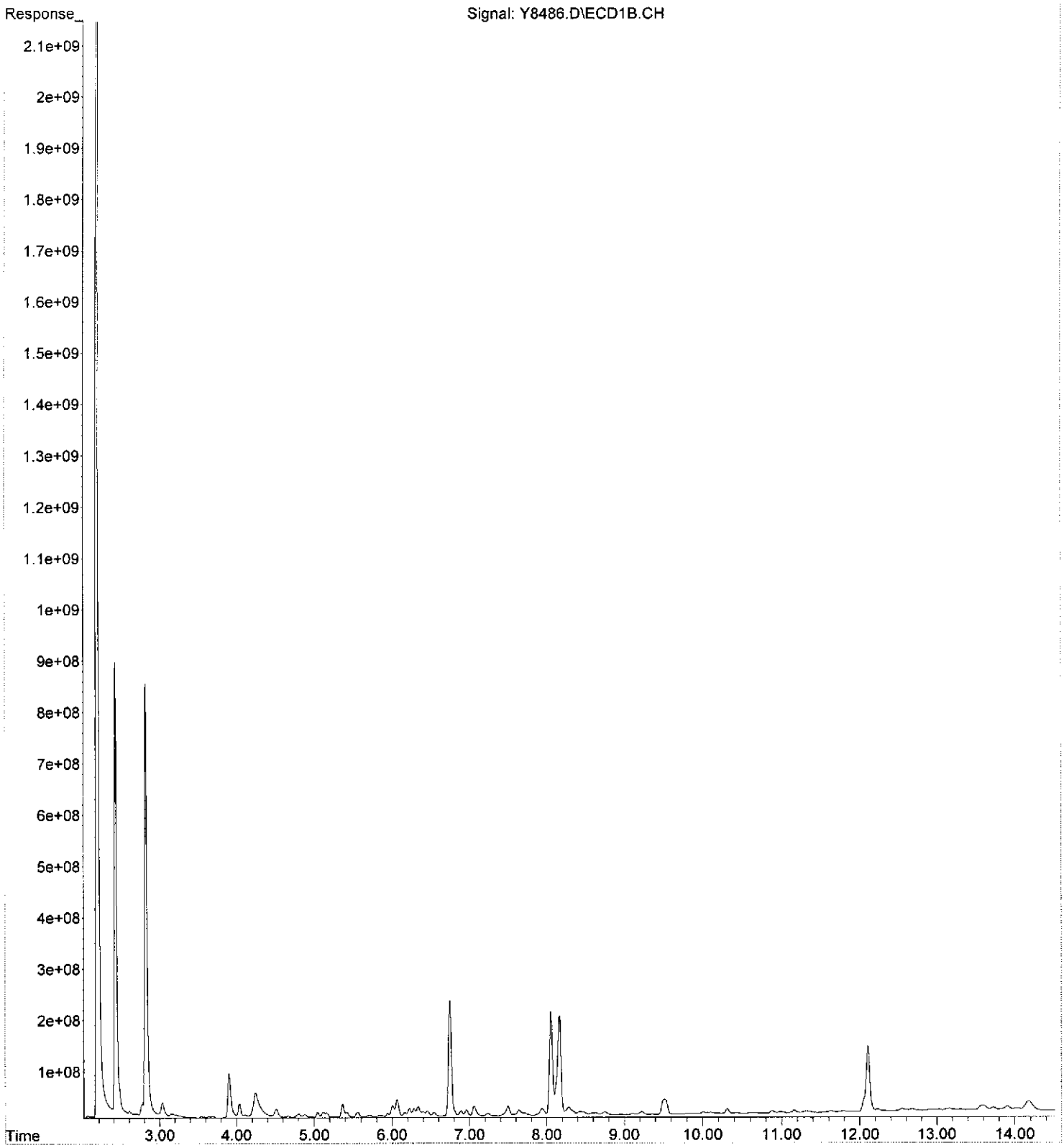
Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8486.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 8:47
Operator : YG
Sample : P-8_(0-2.0,07685-031,S,5.68g,27.3,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 15:11:35 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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\08-14-12\Y8486.D
Operator : YG
Acquired : 15 Aug 2012 8:47 using AcqMethod YPCB0727.M
Instrument : GC_Y
Sample Name: P-8_(0-2.0,07685-031,S,5.68g,27.3,08/07/12,4
Misc Info : 120807-05,07/31/12,07/31/12,1
Vial Number: 46



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\08-14-12\
Data File : Y8487.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 9:05
Operator : YG
Sample : P-8_(2.0-4,07685-032,S,5.33g,18.6,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 15:32:44 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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	15938.4E6	6178.7E6	167.648	176.775
Spiked Amount 200.000			Recovery	=	83.82%	88.39%
2) S DCB	12.10	12.49	4426.2E6	1476.5E6	214.781m	171.819m
Spiked Amount 200.000			Recovery	=	107.39%	85.91%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.13	999.2E6	375.3E6	226.626	235.428m
24) L6 Aroclor-1248 {2}	5.04	5.71	199.3E6	461.8E6	82.239	197.149m#
25) L6 Aroclor-1248 {3}	0.00	6.11	0	218.7E6	N.D. d	129.106m#
26) L6 Aroclor-1248 {4}	6.06	6.27	922.2E6	138.4E6	165.466	95.234m#
27) L6 Aroclor-1248 {5}	6.33	6.61	614.4E6	190.5E6	147.507	226.854m#
Sum Aroclor-1248			2735.1E6	1384.7E6	621.838	883.771
Average Aroclor-1248					155.459	176.754
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

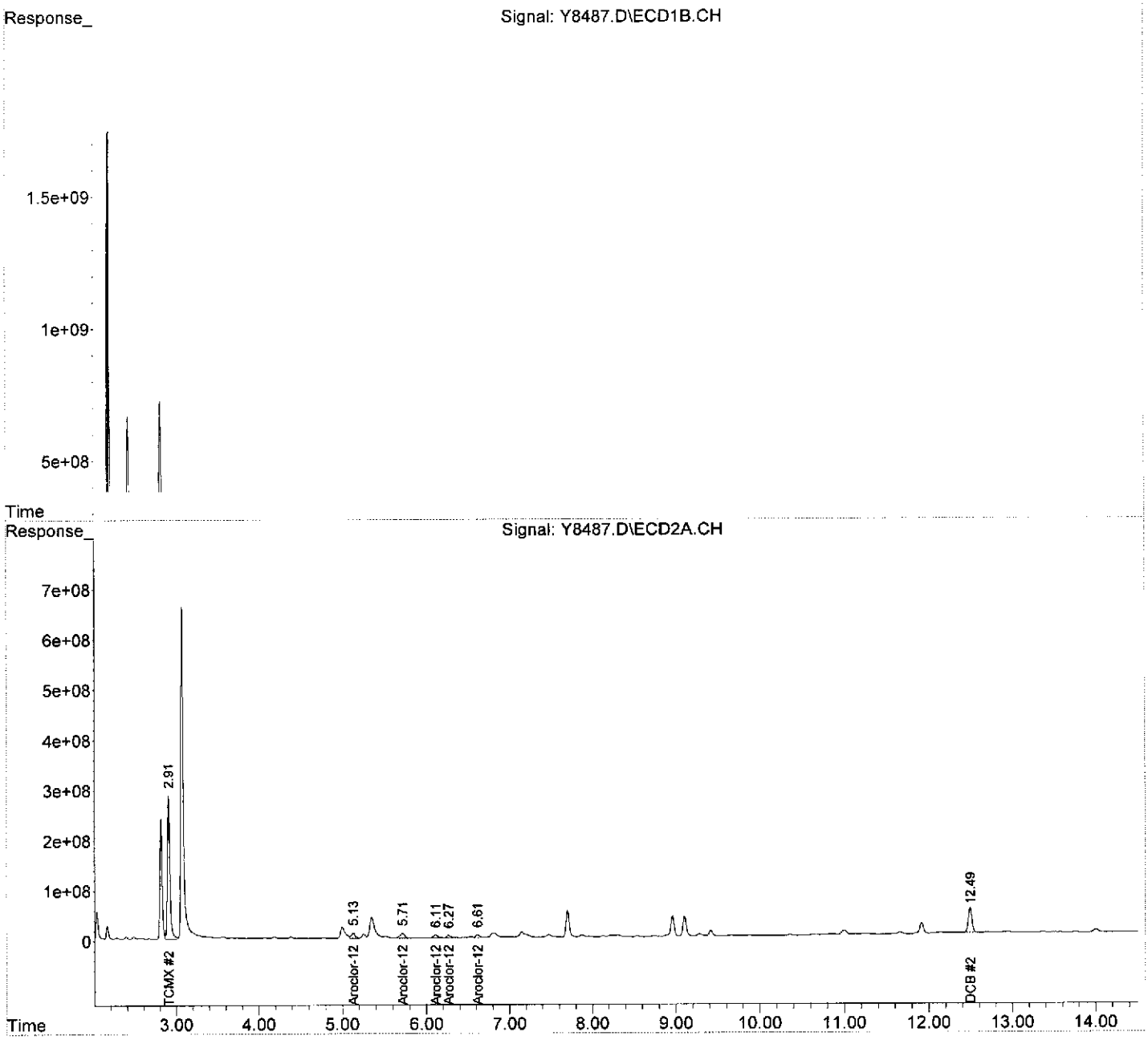
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

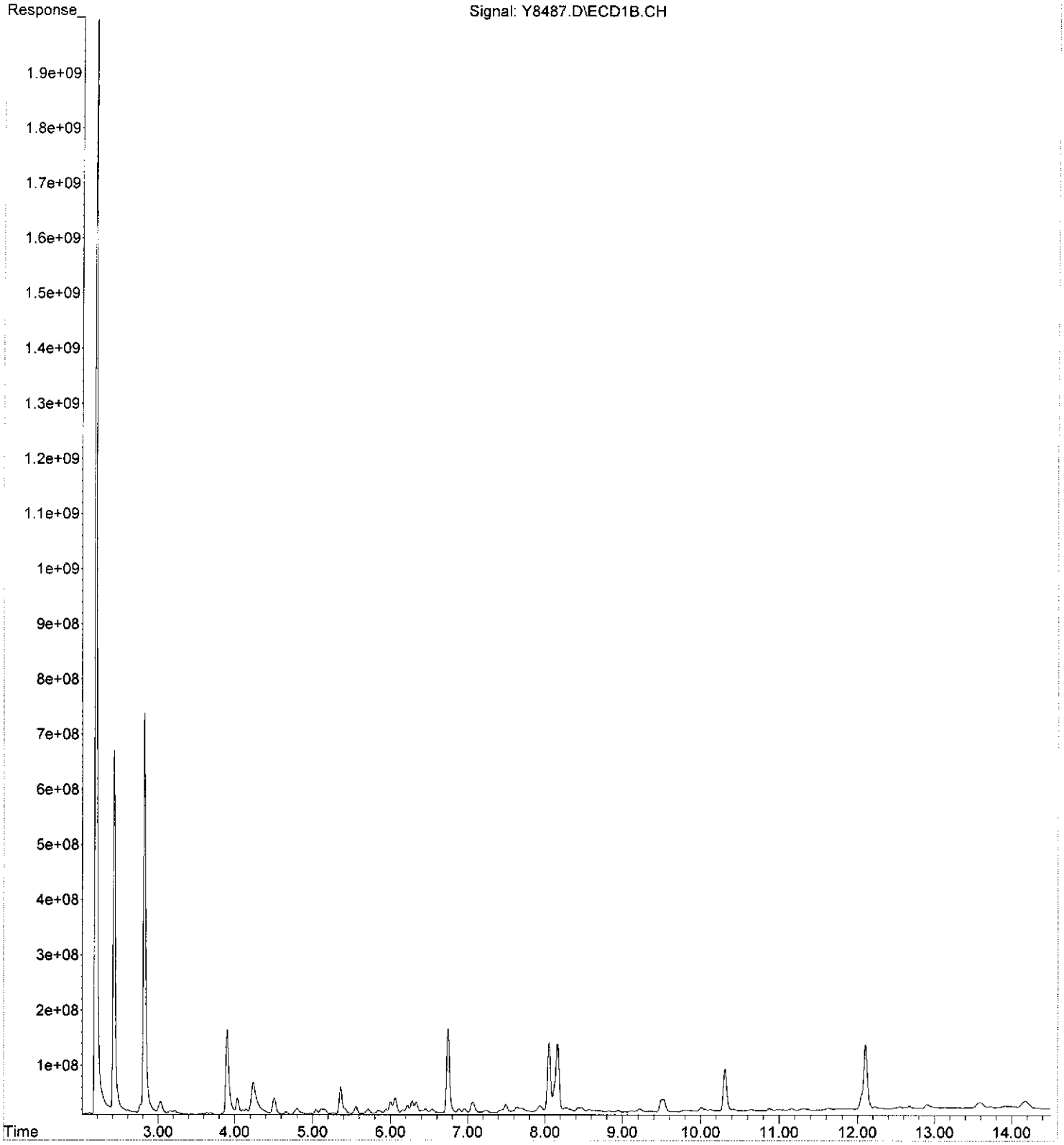
Data Path : C:\MSDChem\1\DATA\08-14-12\
Data File : Y8487.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 9:05
Operator : YG
Sample : P-8_(2.0-4,07685-032,S,5.33g,18.6,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 15:32:44 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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\08-14-12\Y8487.D
Operator : YG
Acquired : 15 Aug 2012 9:05 using AcqMethod YPCB0727.M
Instrument : GC_Y
Sample Name: P-8_(2.0-4,07685-032,S,5.33g,18.6,08/07/12,4
Misc Info : 120807-05,07/31/12,07/31/12,1
Vial Number: 47



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8488.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 9:22
Operator : YG
Sample : P-8_(4.0-5,07685-033,S,5.25g,19.9,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 14:55:51 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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	17882.2E6	6396.0E6	188.094	182.991
Spiked Amount 200.000			Recovery	=	94.05%	91.50%
2) S DCB	12.10	12.49	4714.0E6	1564.4E6	228.742	182.046m
Spiked Amount 200.000			Recovery	=	114.37%	91.02%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.13	95803301	51839311	21.729	32.520m#
24) L6 Aroclor-1248 {2}	5.07	5.72	139.9E6	65031893	57.734	27.760m#
25) L6 Aroclor-1248 {3}	0.00	6.11	0	41234324	N.D. d	24.344m#
26) L6 Aroclor-1248 {4}	6.06	6.27	108.6E6	22272514	19.483m	15.323m
27) L6 Aroclor-1248 {5}	6.28	6.61	664.7E6	47728297	159.563m	56.844m#
Sum Aroclor-1248			1009.0E6	228.1E6	258.509	156.791
Average Aroclor-1248					64.627	31.358
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

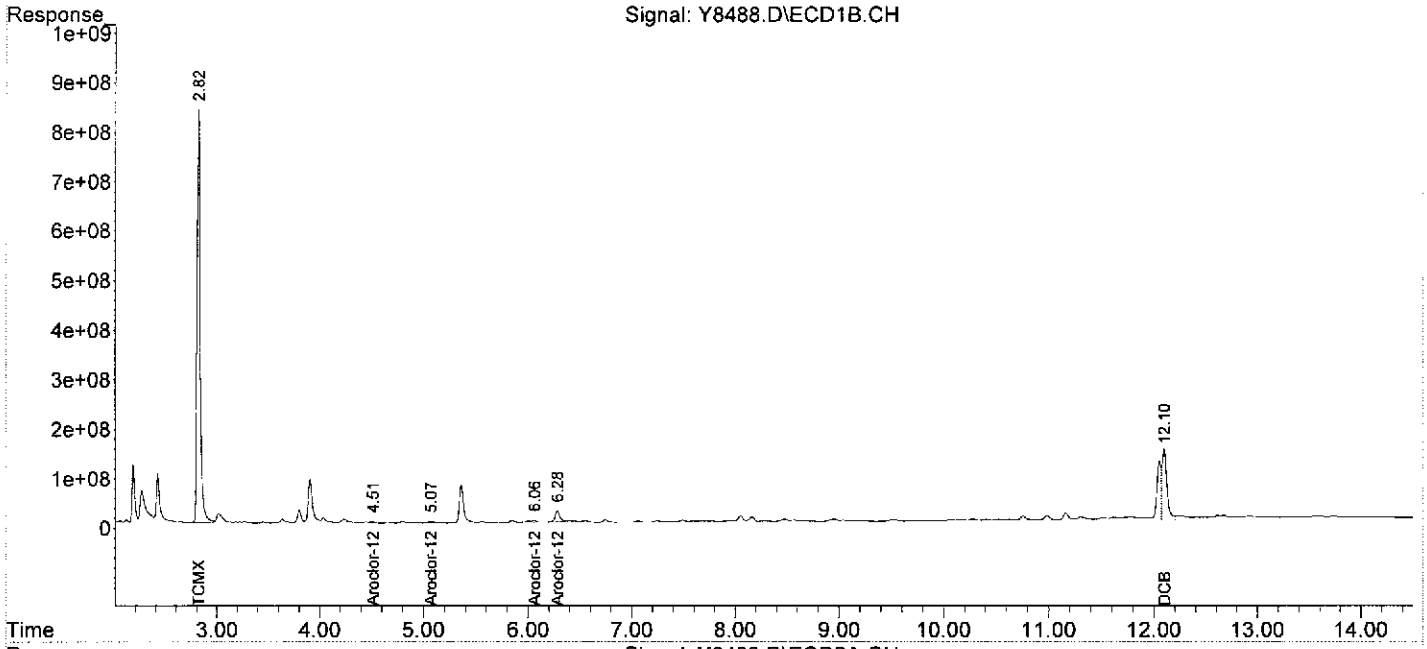
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

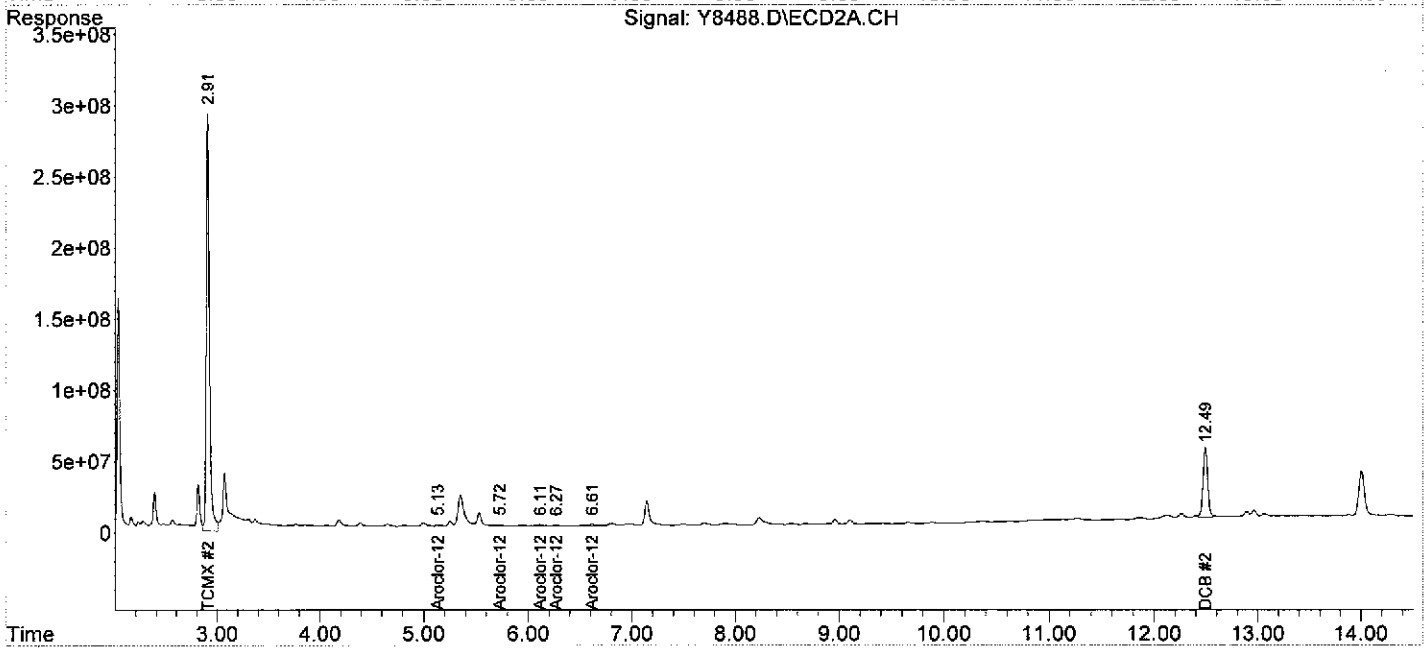
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8488.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 9:22
Operator : YG
Sample : P-8_(4.0-5,07685-033,S,5.25g,19.9,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 14:55:51 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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\08-14-12\
Data File : Y8489.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 9:39
Operator : YG
Sample : P-8_(5.0-6,07685-034,S,5.74g,16.1,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 14:56:00 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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	17772.4E6	5898.0E6	186.938	168.743
Spiked Amount 200.000			Recovery	=	93.47%	84.37%
2) S DCB	12.10	12.49	3855.5E6	1651.8E6	187.085	192.217
Spiked Amount 200.000			Recovery	=	93.54%	96.11%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.53	5.17	267.8E6	3694899	60.736	2.318 #
24) L6 Aroclor-1248 {2}	5.09	5.75	151.8E6	64731075	62.645	27.632 #
25) L6 Aroclor-1248 {3}	0.00	6.08	0	15531077	N.D. d	9.169 #
26) L6 Aroclor-1248 {4}	6.05	6.21	9525138	14467150	1.709	9.953 #
27) L6 Aroclor-1248 {5}	6.37	6.62	23853141	14231258	5.726	16.949 #
Sum Aroclor-1248			453.0E6	112.7E6	130.816	66.021
Average Aroclor-1248					32.704	13.204
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

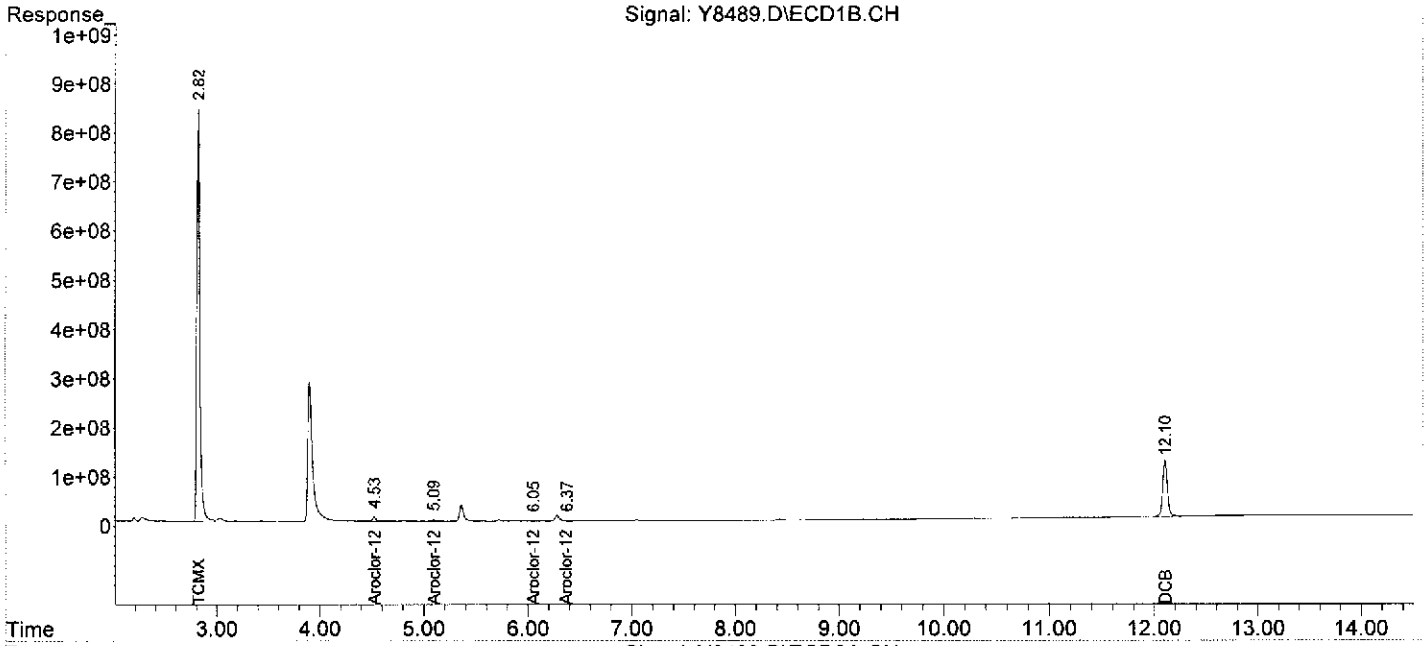
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

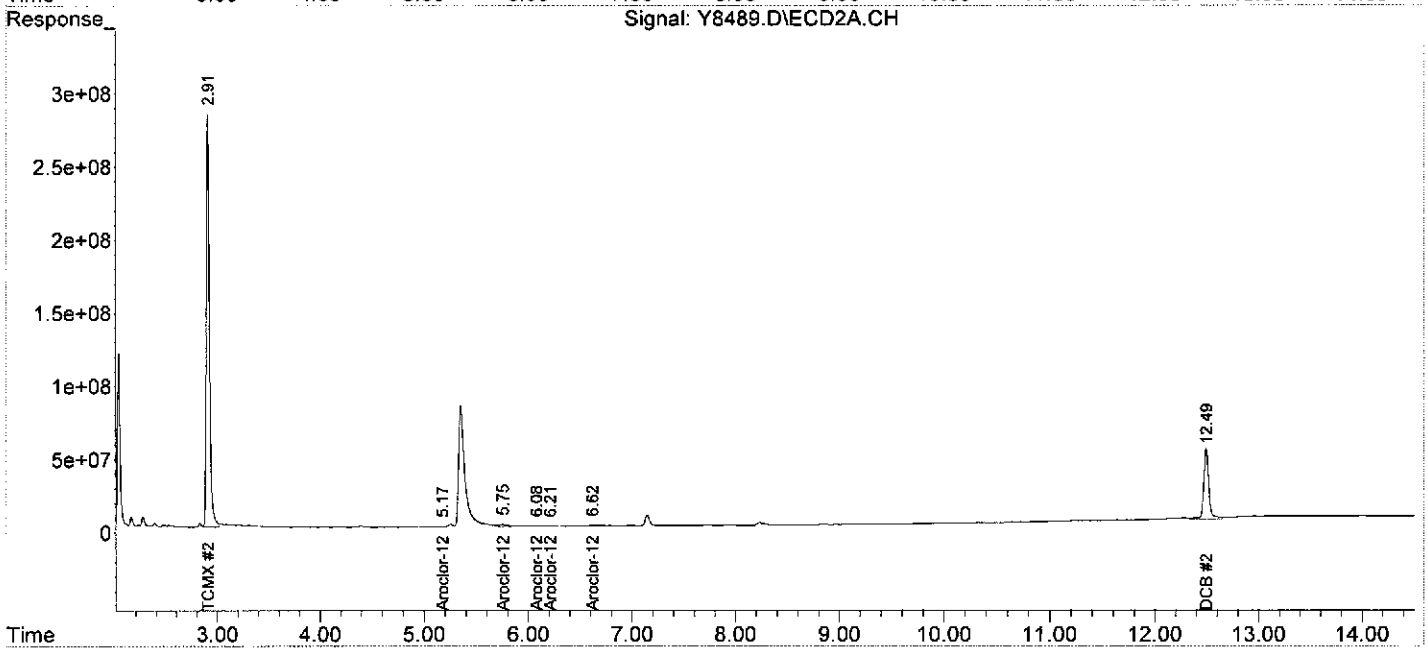
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8489.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 9:39
Operator : YG
Sample : P-8_(5.0-6,07685-034,S,5.74g,16.1,08/07/12,4
Misc : 120807-05,07/31/12,07/31/12,1
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 14:56:00 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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\08-15-12\
Data File : R3011.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 23:00
Operator : YG
Sample : Q-8_(0-2.0,07685-035,S,5.00g,15.1,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:36:01 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	25964.3E6	26191.1E6	151.116	181.945
Spiked Amount 200.000			Recovery	=	75.56%	90.97%
2) S DCB	13.10	13.17	15473.6E6	5379.7E6	265.076	134.304m#
Spiked Amount 200.000			Recovery	=	132.54%	67.15%
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
23) L6 Aroclor-1248	5.30	5.69	2592.5E6	2711.9E6	340.349	485.591 #
24) L6 Aroclor-1248 {2}	5.89	6.34	1107.6E6	4298.4E6	258.184m	538.284m#
25) L6 Aroclor-1248 {3}	0.00	6.70	0	1681.6E6	N.D. d	281.765m#
26) L6 Aroclor-1248 {4}	6.92	6.85	2725.3E6	1482.8E6	319.865	290.404m
27) L6 Aroclor-1248 {5}	7.20	0.00	2794.8E6	0	390.393m	N.D. d#
Sum Aroclor-1248			9220.3E6	10174.7E6	1308.791	1596.044
Average Aroclor-1248					327.198	399.011
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

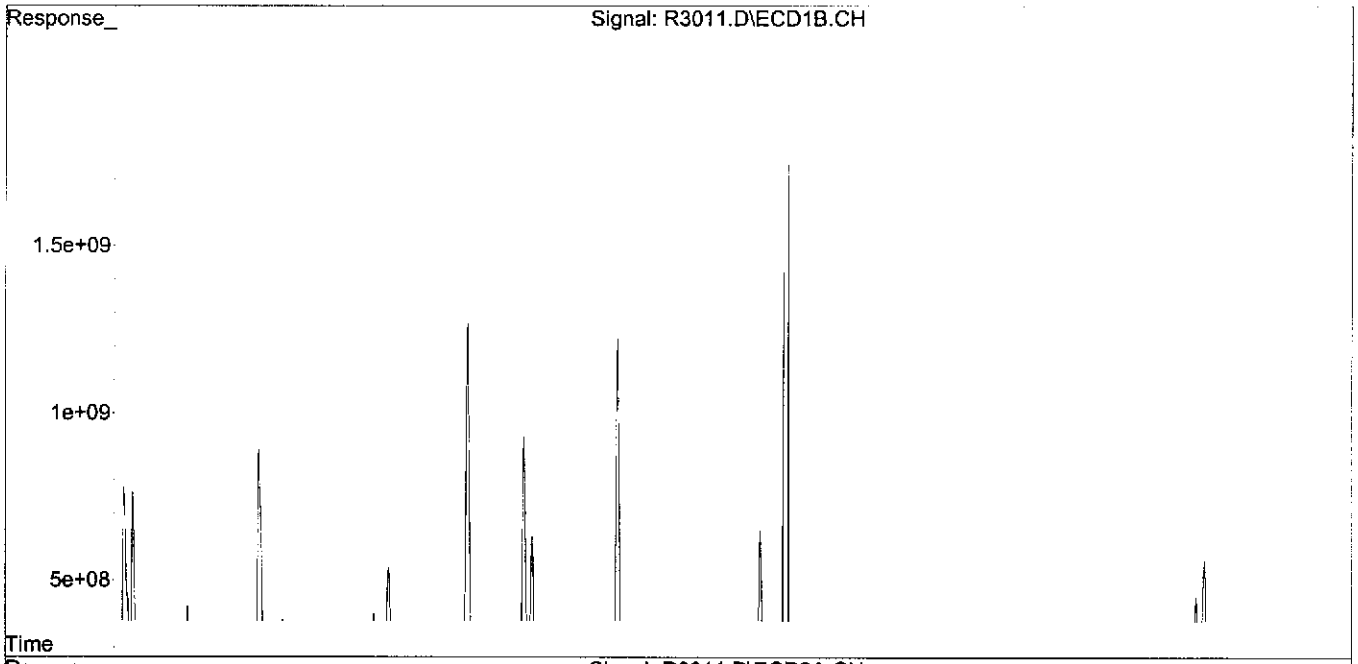
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

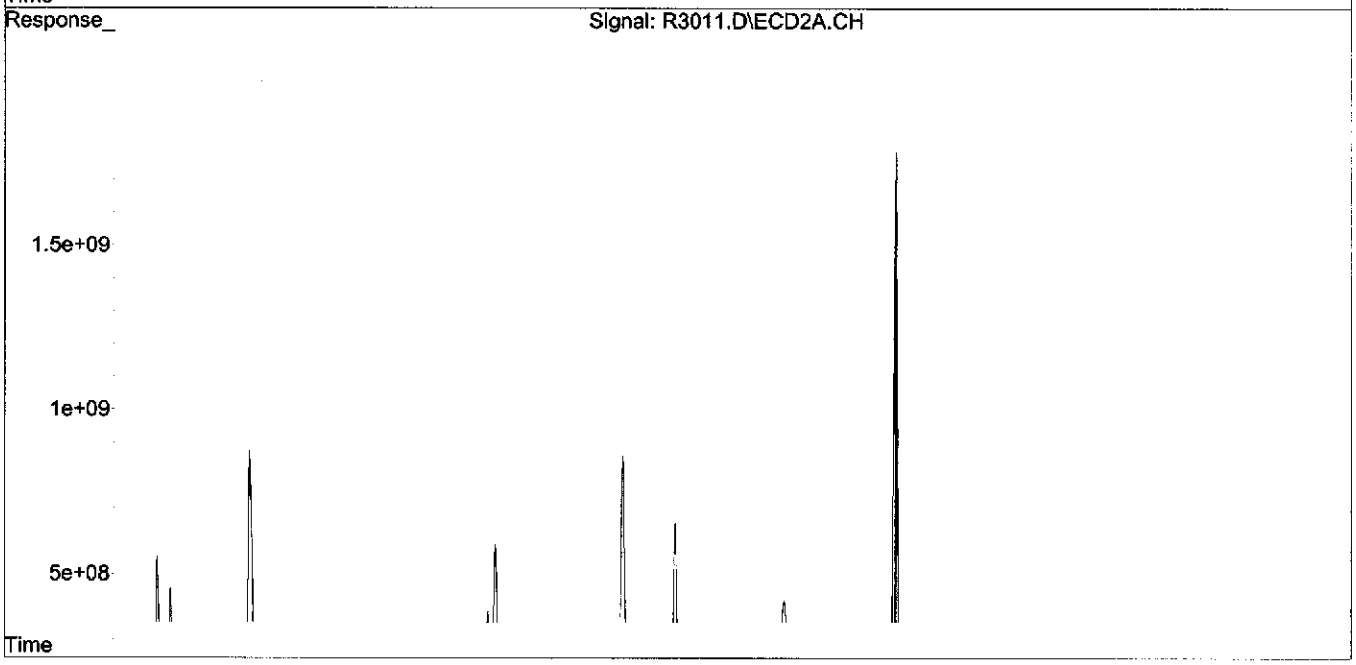
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3011.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 23:00
Operator : YG
Sample : Q-8_(0-2.0,07685-035,S,5.00g,15.1,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 10 Sample Multiplier: 1

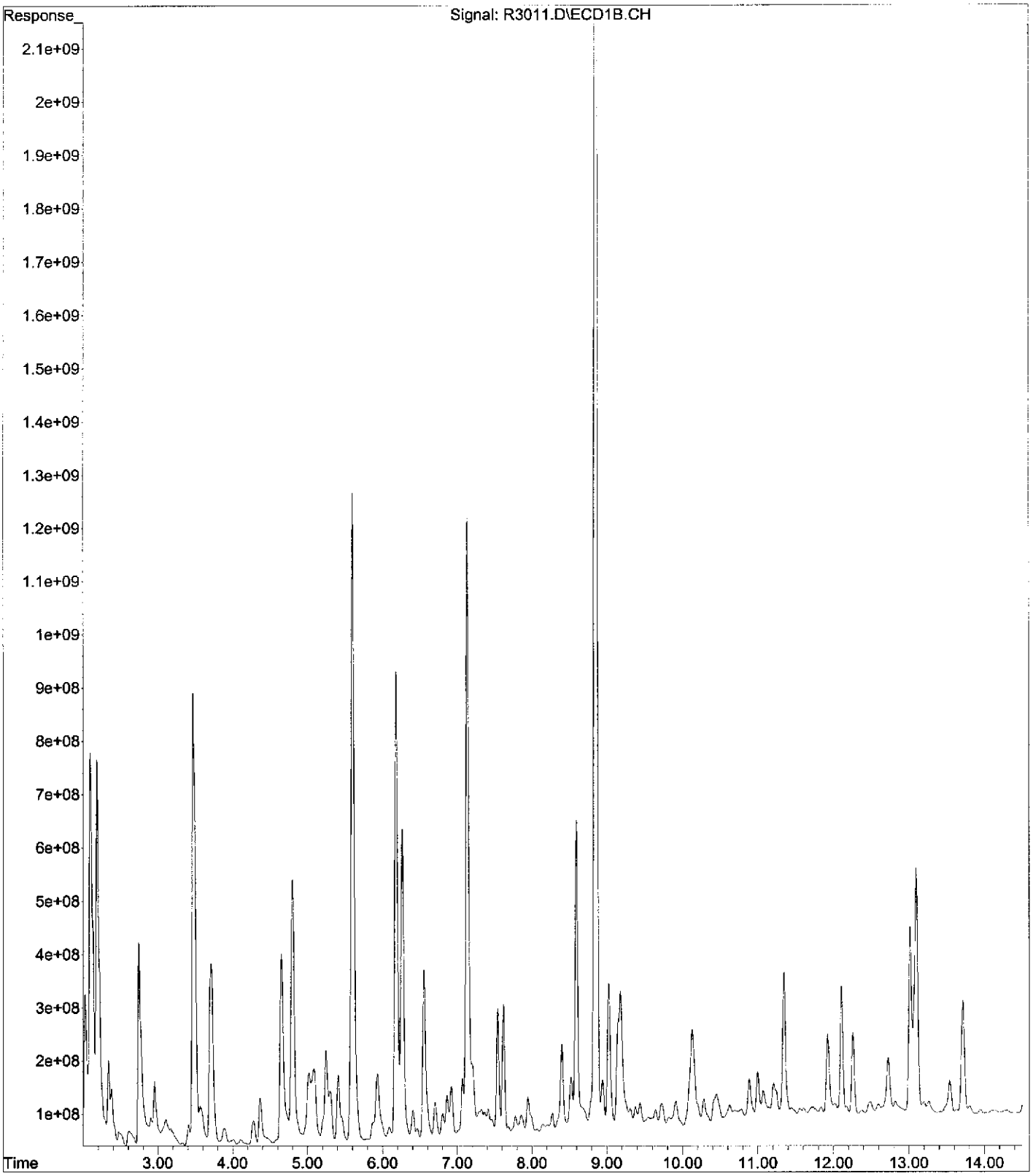
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:36:01 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

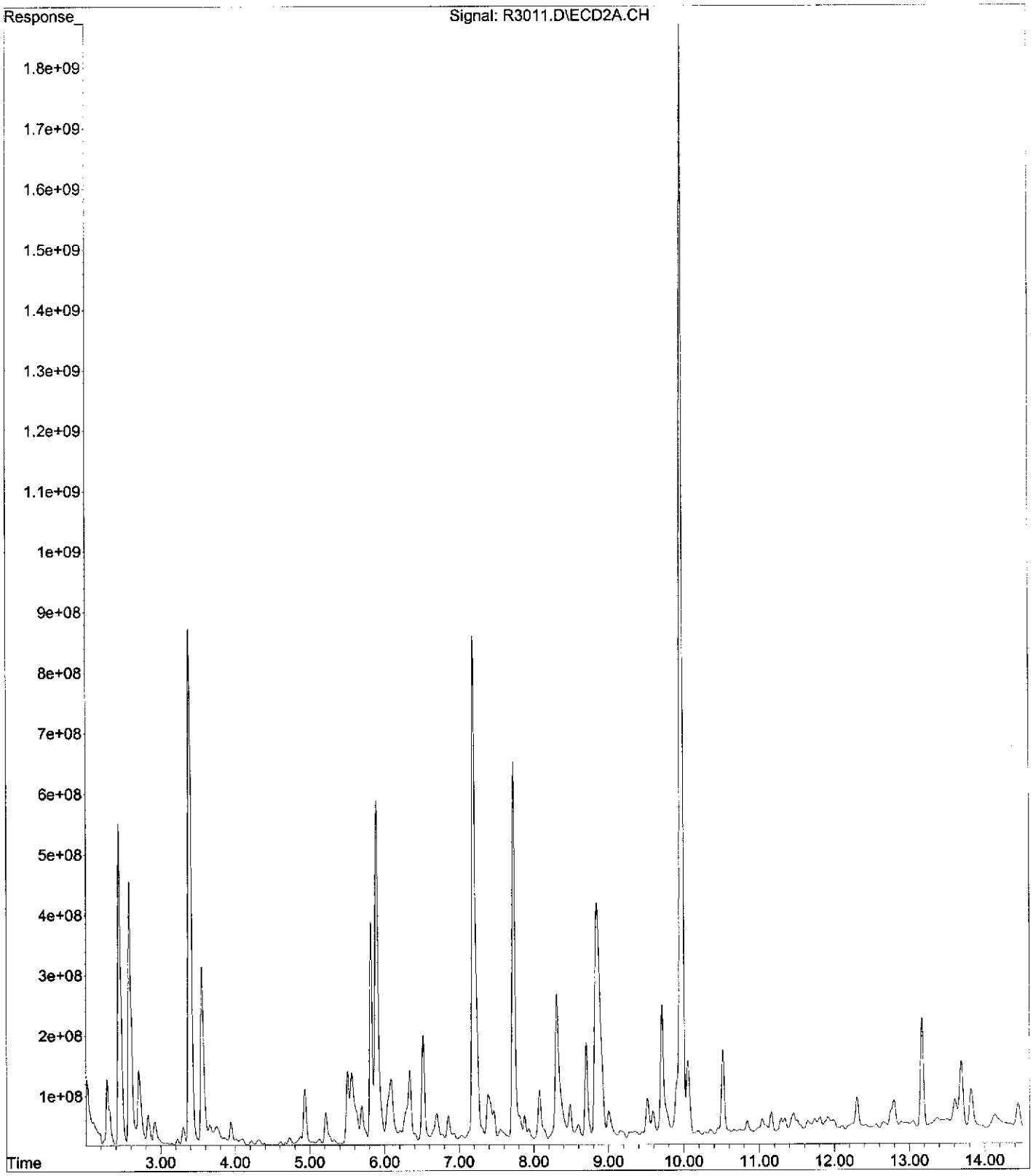




File :C:\MSDChem\1\DATA\08-15-12\R3011.D
Operator : YG
Acquired : 15 Aug 2012 23:00 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: Q-8_(0-2.0,07685-035,S,5.00g,15.1,08/08/12,4
Misc Info : 120808-07,07/31/12,07/31/12,1
Vial Number: 10



File :C:\MSDChem\1\DATA\08-15-12\R3011.D
Operator : YG
Acquired : 15 Aug 2012 23:00 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: Q-8_(0-2.0,07685-035,S,5.00g,15.1,08/08/12,4
Misc Info : 120808-07,07/31/12,07/31/12,1
Vial Number: 10



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3012.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 23:18
Operator : YG
Sample : Q-8_(2.0-4,07685-036,S,5.00g,24.9,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:36:56 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	3.39	24478.1E6	24851.6E6	142.466	172.640
Spiked Amount 200.000			Recovery	=	71.23%	86.32%
2) S DCB	13.10	13.17	11262.0E6	6087.4E6	192.927m	151.973m
Spiked Amount 200.000			Recovery	=	96.46%	75.99%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.31	5.70	1176.4E6	1144.5E6	154.438	204.938m#
24) L6 Aroclor-1248 {2}	5.88	6.29	962.0E6	1225.4E6	224.240	153.458m#
25) L6 Aroclor-1248 {3}	0.00	6.70	0	1293.7E6	N.D. d	216.768m#
26) L6 Aroclor-1248 {4}	6.92	6.86	1973.5E6	1378.3E6	231.624	269.936m
27) L6 Aroclor-1248 {5}	7.20	0.00	1728.0E6	0	241.375	N.D. d#
Sum Aroclor-1248			5839.9E6	5042.0E6	851.677	845.100
Average Aroclor-1248					212.919	211.275
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

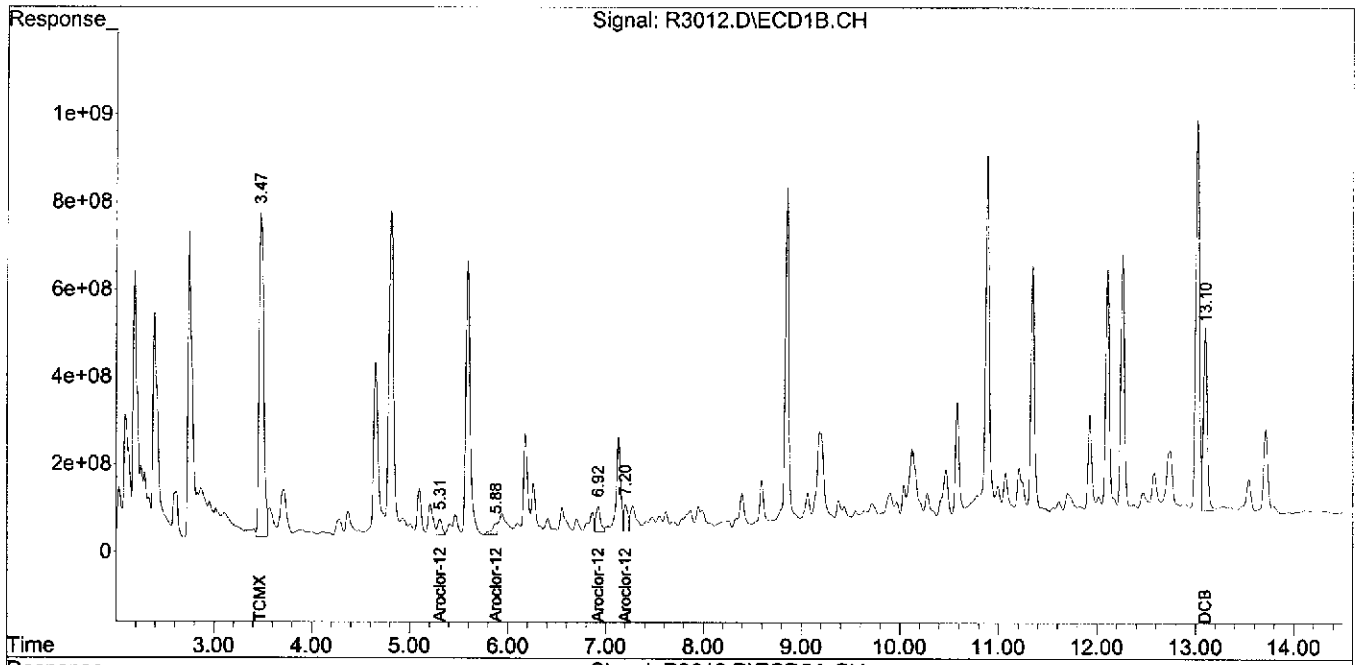
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

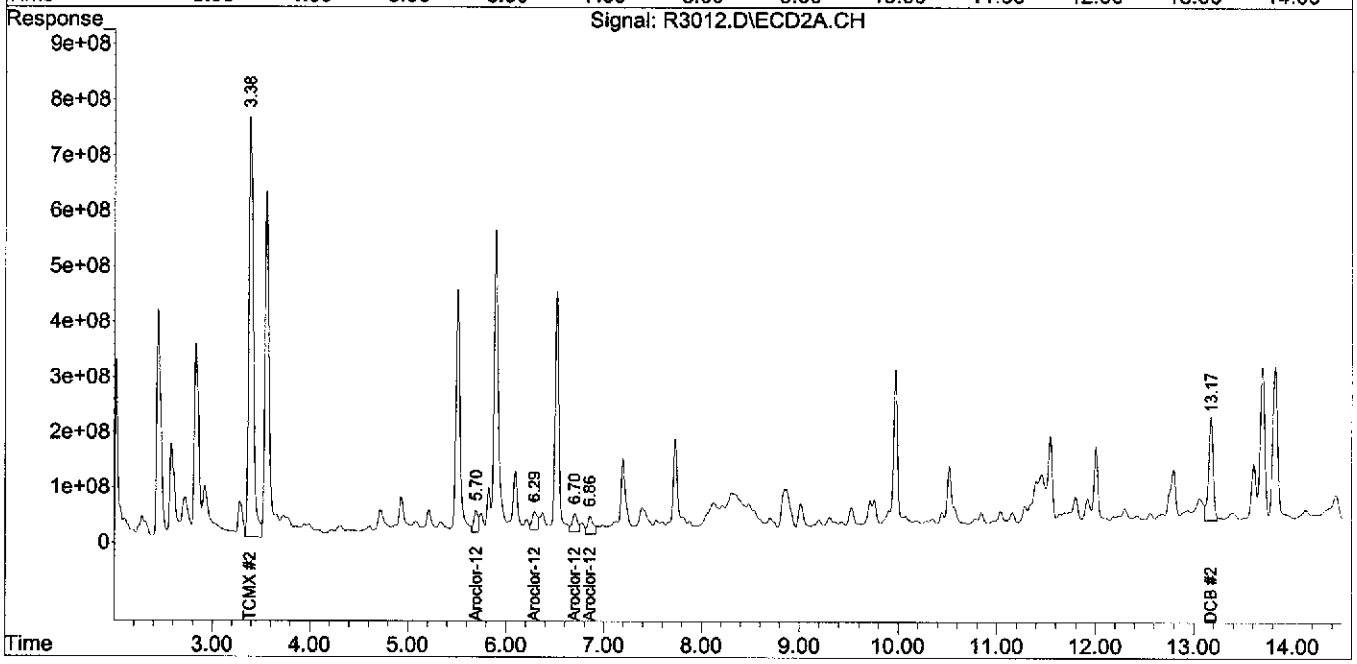
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3012.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 23:18
Operator : YG
Sample : Q-8_(2.0-4,07685-036,S,5.00g,24.9,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:36:56 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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\08-21-12\
Data File : R3348.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 21 Aug 2012 12:01
Operator : YG
Sample : Q-8_(4.0-4,07685-037,S,5.00g,43.0,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 12:36:55 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	3.40	33500.3E6	30938.4E6	194.976	214.924
Spiked Amount 200.000			Recovery	=	97.49%	107.46%
2) S DCB	13.11	13.18	6858.6E6	3962.8E6	117.494	98.931
Spiked Amount 200.000			Recovery	=	58.75%	49.47%
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

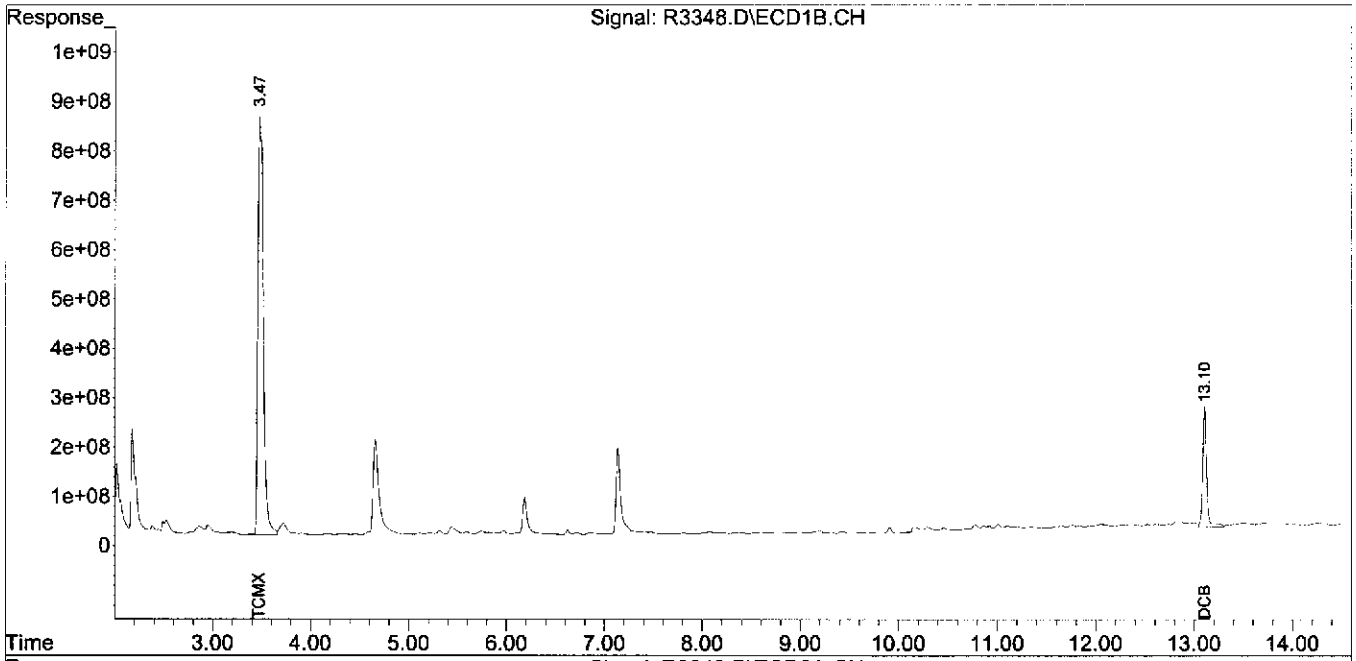
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

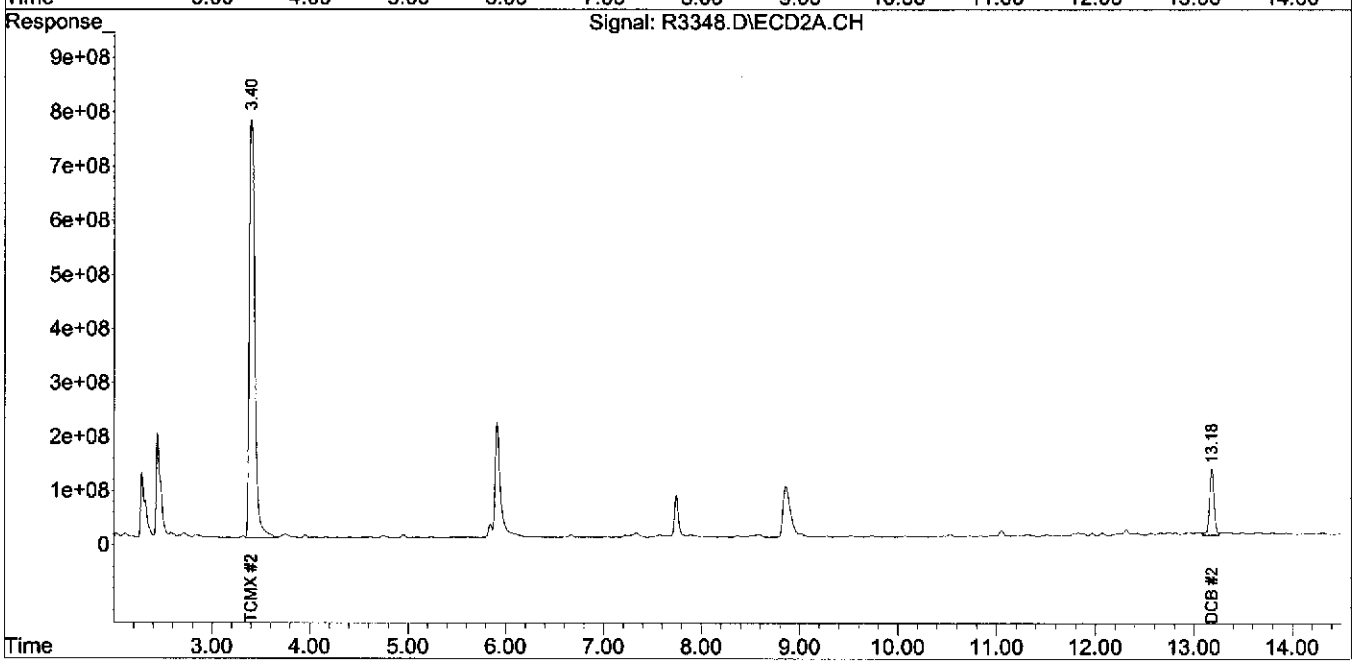
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-21-12\
Data File : R3348.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 21 Aug 2012 12:01
Operator : YG
Sample : Q-8_(4.0-4,07685-037,S,5.00g,43.0,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 12:36:55 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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\08-15-12\
Data File : R3014.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 23:52
Operator : YG
Sample : Q-8_(4.5-6,07685-038,S,5.00g,20.5,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:37:24 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	3.39	37862.5E6	33234.6E6	220.364	230.876
Spiked Amount 200.000			Recovery	=	110.18%	115.44%
2) S DCB	13.10	13.17	11284.7E6	5538.2E6	193.317m	138.261m#
Spiked Amount 200.000			Recovery	=	96.66%	69.13%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

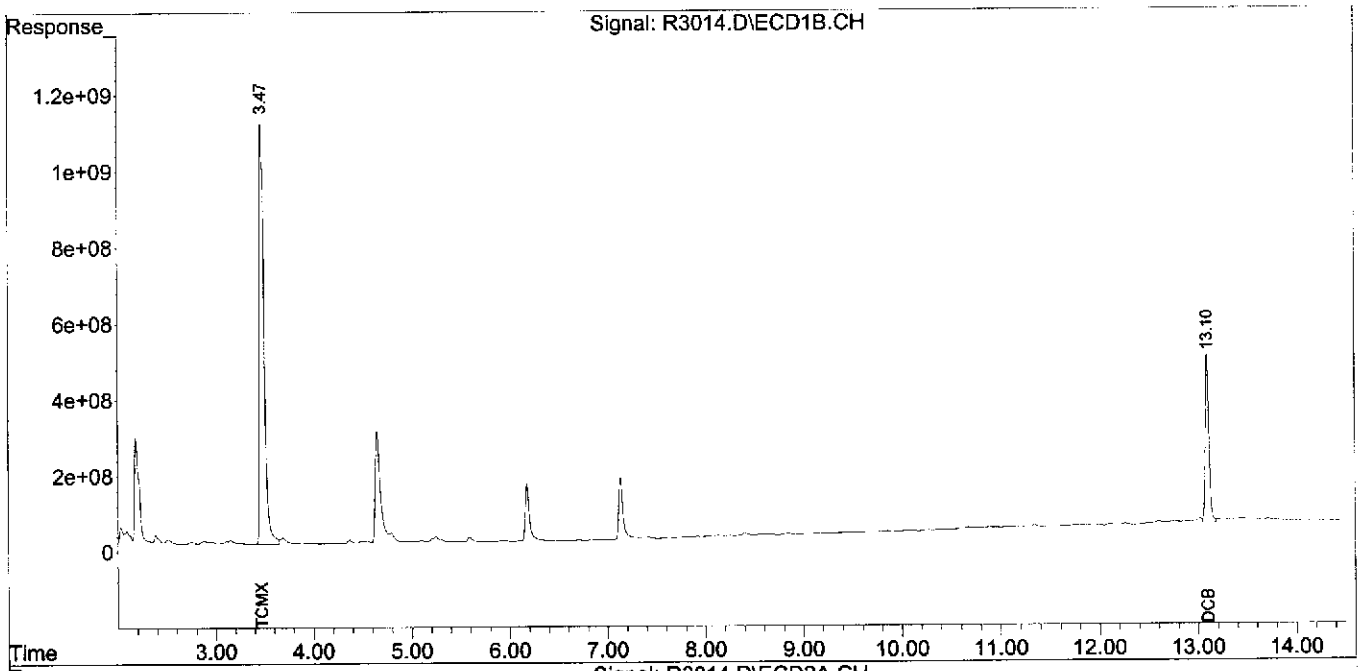
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

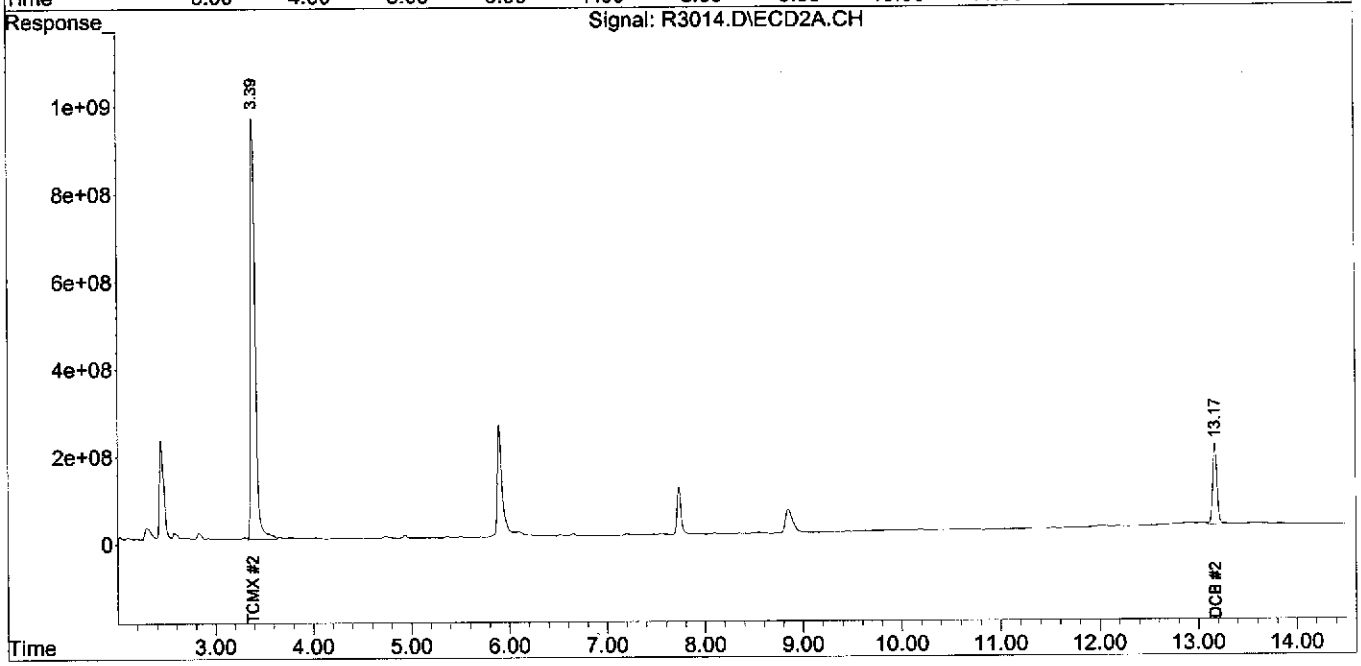
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3014.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 23:52
Operator : YG
Sample : Q-8_(4.5-6,07685-038,S,5.00g,20.5,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:37:24 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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\08-15-12\
Data File : R3015.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Aug 2012 00:10
Operator : YG
Sample : R-8_(0-2.0,07685-039,S,5.00g,20.5,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,10
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:39:10 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	3.39	4602.8E6	3802.7E6	26.789m	26.417
Spiked Amount 200.000			Recovery	=	13.39%	13.21%
2) S DCB	13.11	13.18	1981.5E6	631.3E6	33.945m	15.761m#
Spiked Amount 200.000			Recovery	=	16.97%	7.88%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.30	5.69	2473.4E6	1176.2E6	324.712m	210.608m#
24) L6 Aroclor-1248 {2}	5.85	6.29	700.8E6	1422.2E6	163.366m	178.098m
25) L6 Aroclor-1248 {3}	6.20	6.70	1251.8E6	1163.0E6	227.887m	194.864m
26) L6 Aroclor-1248 {4}	6.92	6.85	1998.5E6	774.0E6	234.560m	151.593m#
27) L6 Aroclor-1248 {5}	7.20	7.21	1965.5E6	1336.2E6	274.546m	462.685m#
Sum Aroclor-1248			8390.0E6	5871.6E6	1225.071	1197.848
Average Aroclor-1248					245.014	239.570
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

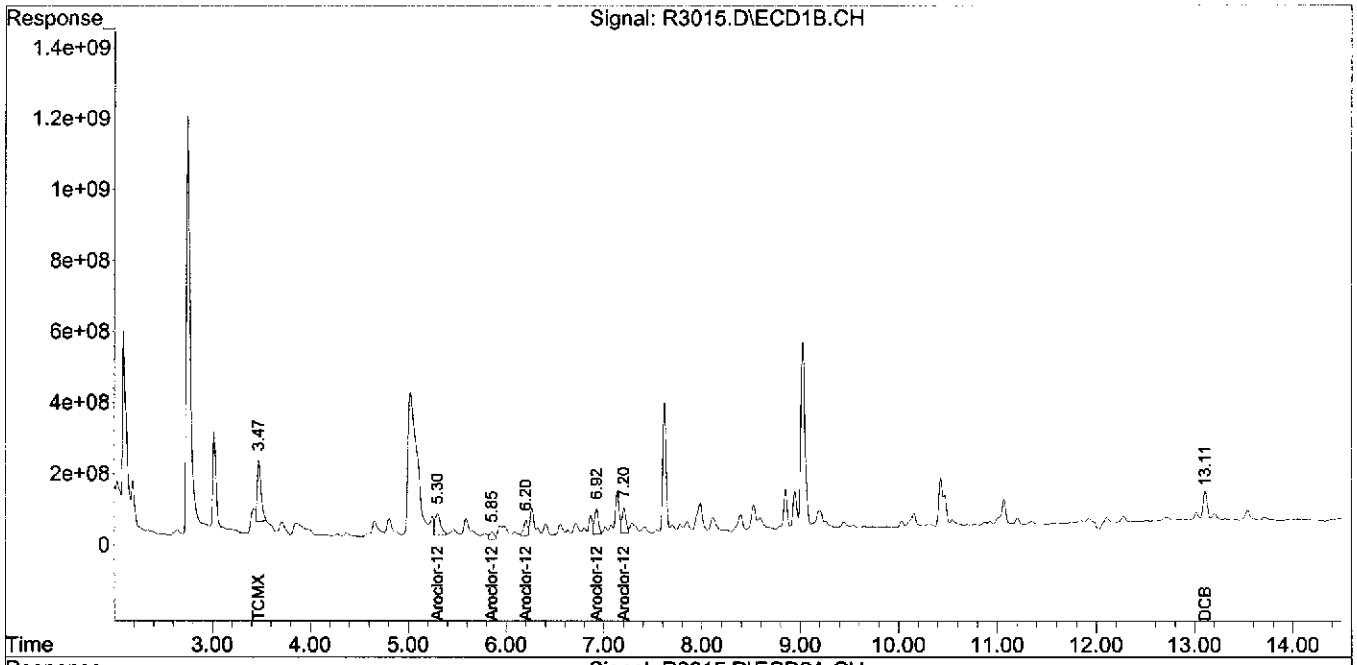
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

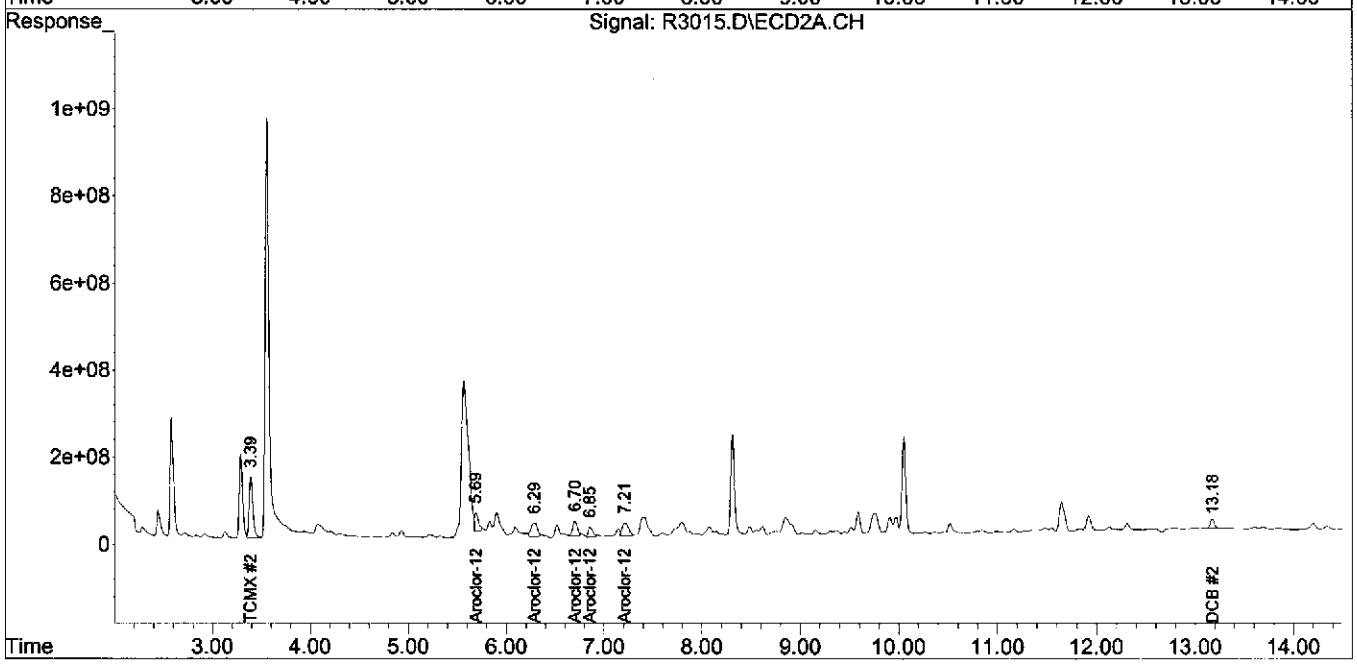
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3015.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Aug 2012 00:10
Operator : YG
Sample : R-8_(0-2.0,07685-039,S,5.00g,20.5,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,10
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:39:10 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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\08-15-12\
Data File : R3016.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Aug 2012 00:27
Operator : YG
Sample : R-8_(2.0-4,07685-040,S,5.00g,21.2,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:40:31 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	22410.5E6	25452.4E6	130.432	176.814 #
Spiked Amount 200.000			Recovery	=	65.22%	88.41%
2) S DCB	13.10	13.17	13840.2E6	6473.0E6	237.094	161.599 #
Spiked Amount 200.000			Recovery	=	118.55%	80.80%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

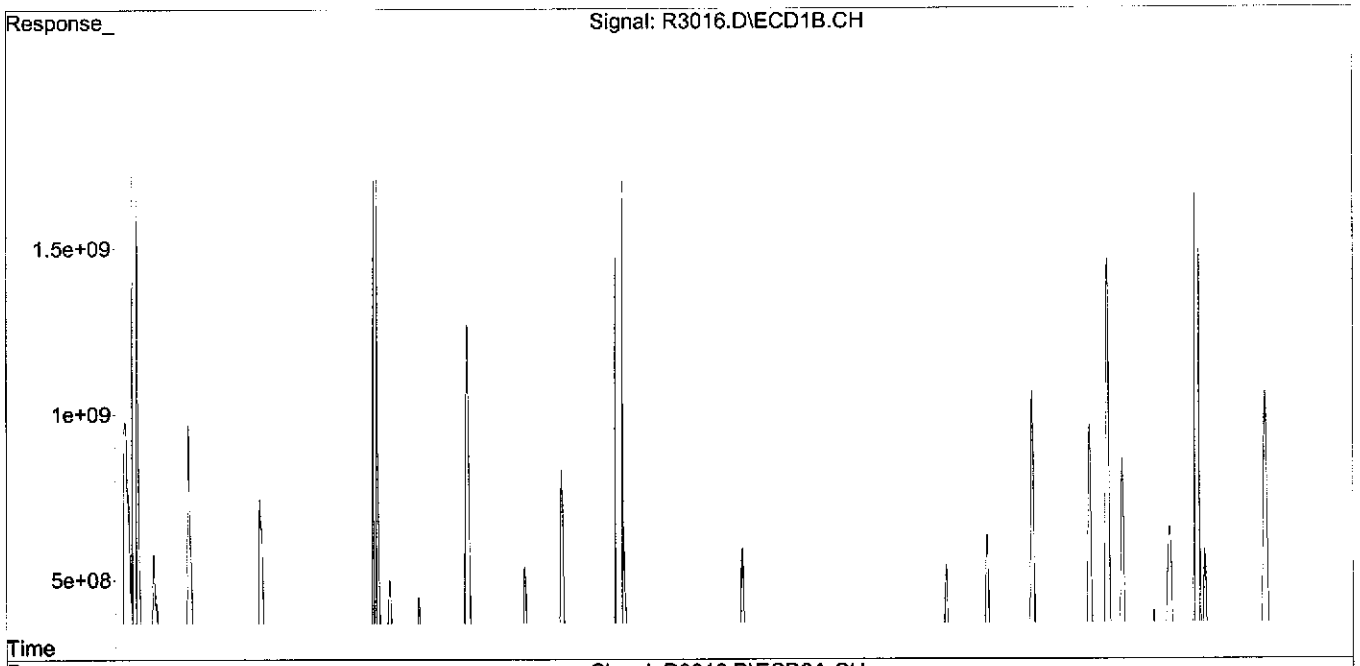
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

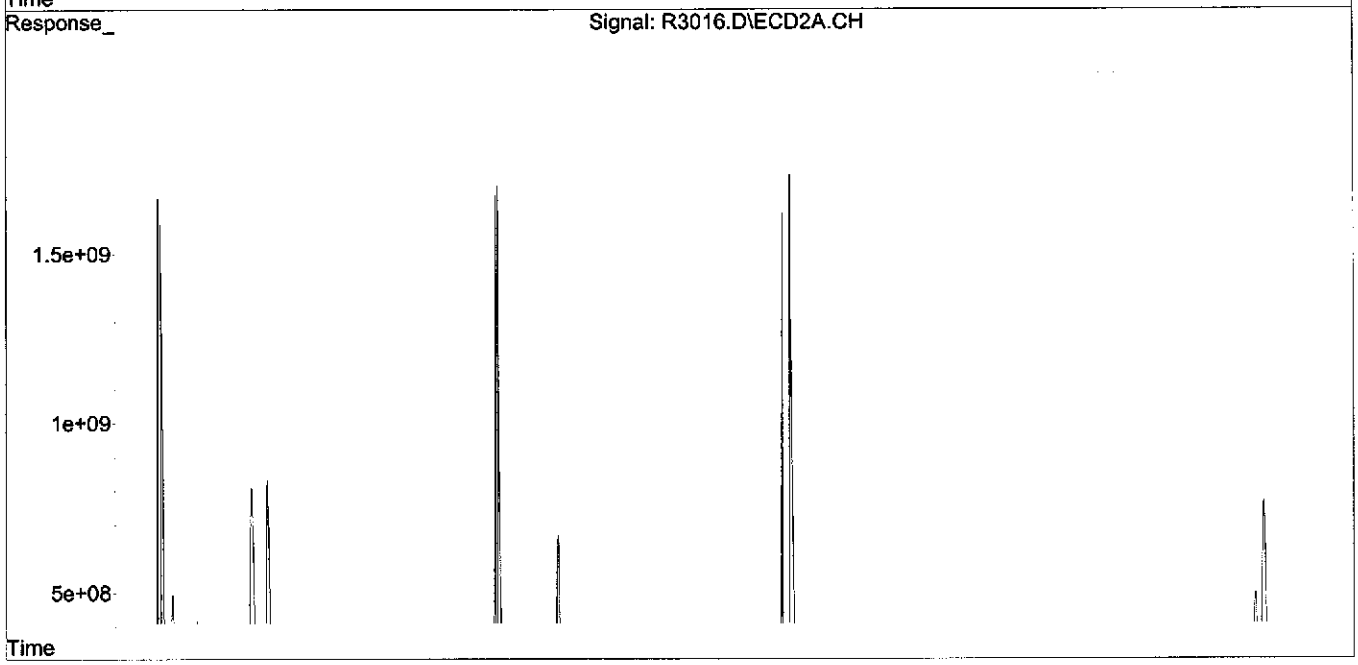
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3016.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Aug 2012 00:27
Operator : YG
Sample : R-8_(2.0-4,07685-040,S,5.00g,21.2,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 15 Sample Multiplier: 1

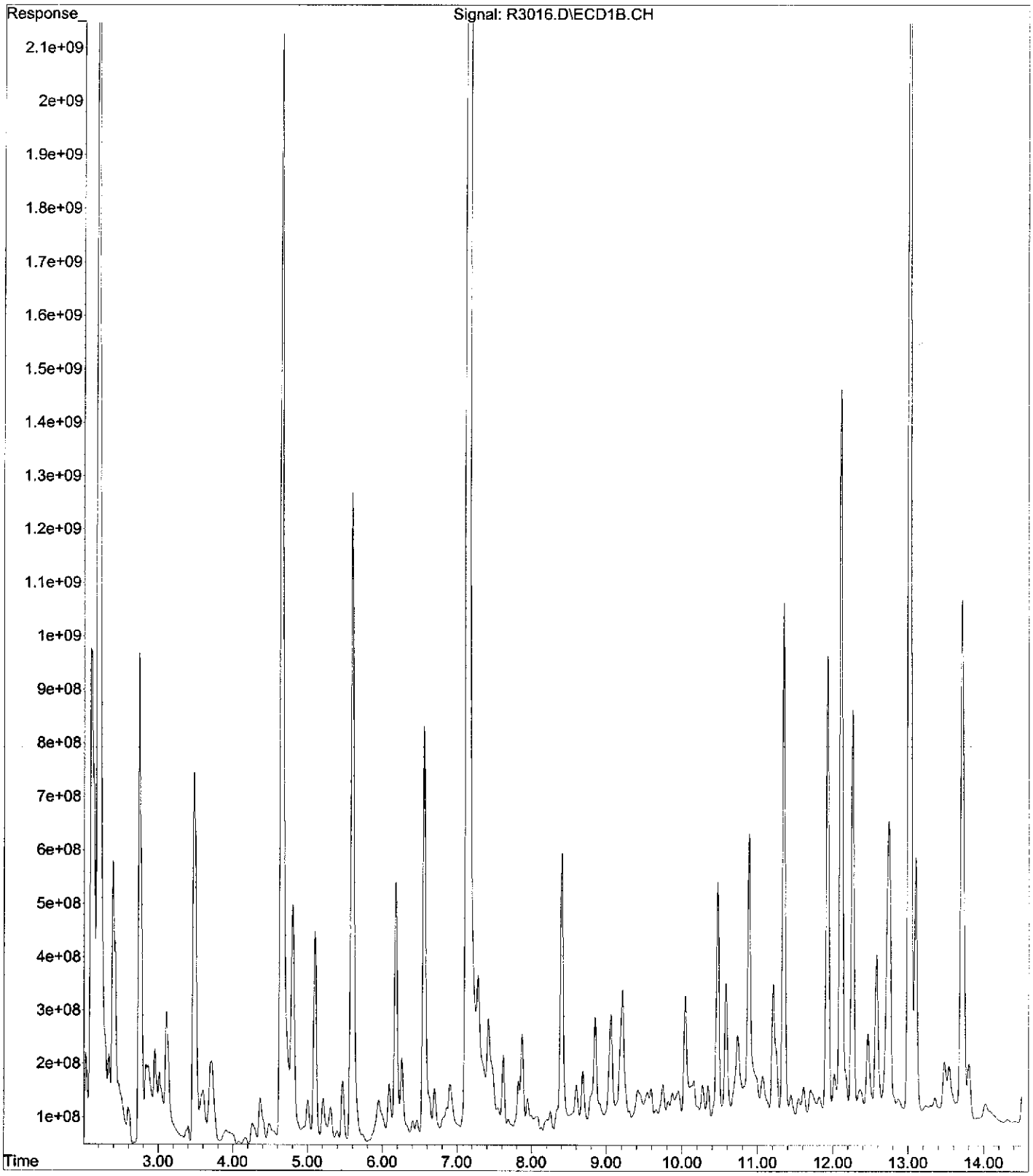
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:40:31 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

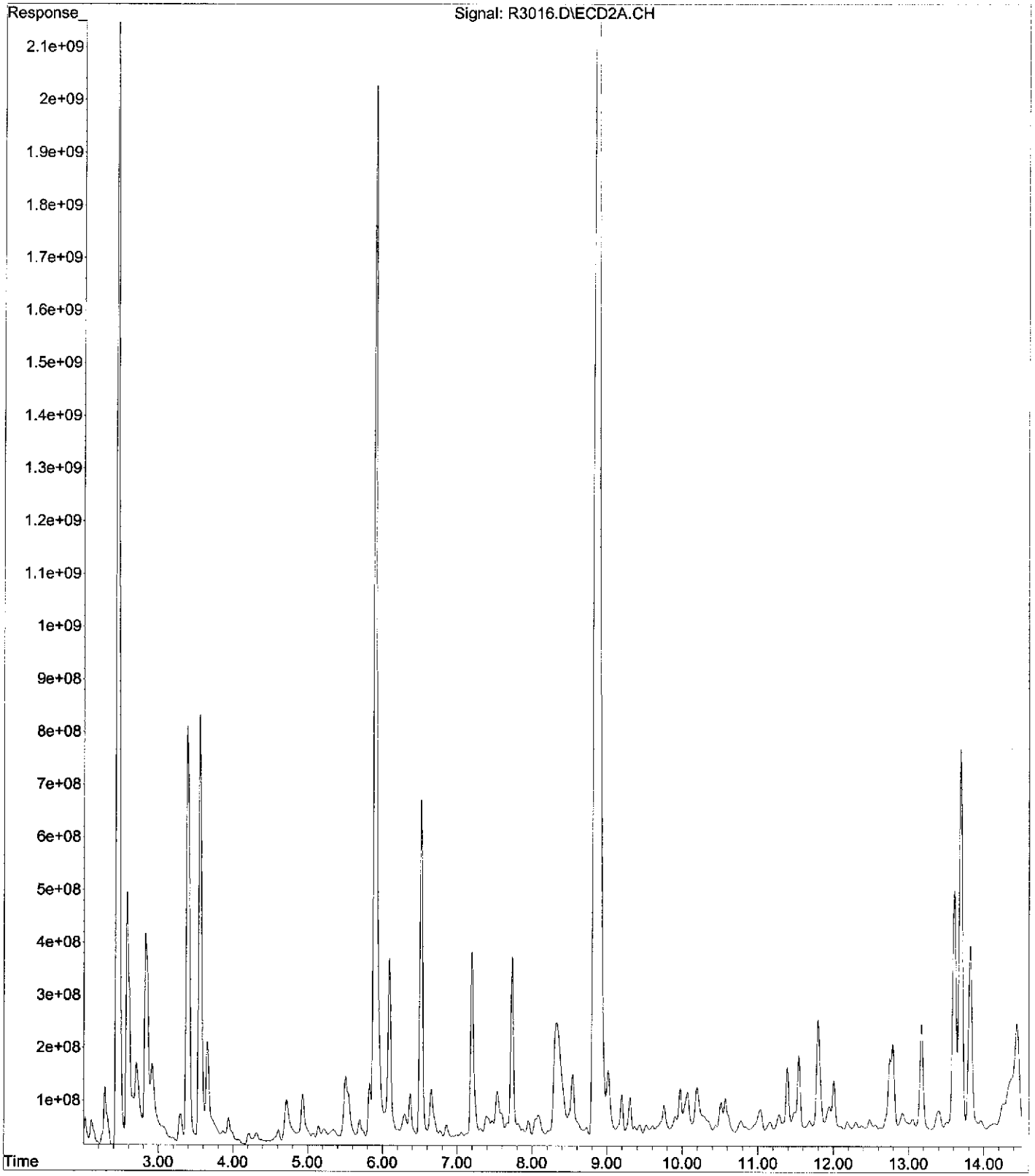




File :C:\MSDChem\1\DATA\08-15-12\R3016.D
Operator : YG
Acquired : 16 Aug 2012 00:27 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: R-8_(2.0-4,07685-040,S,5.00g,21.2,08/08/12,4
Misc Info : 120808-07,07/31/12,07/31/12,1
Vial Number: 15



File :C:\MSDChem\1\DATA\08-15-12\R3016.D
Operator : YG
Acquired : 16 Aug 2012 00:27 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: R-8_(2.0-4,07685-040,S,5.00g,21.2,08/08/12,4
Misc Info : 120808-07,07/31/12,07/31/12,1
Vial Number: 15



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3017.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Aug 2012 00:45
Operator : YG
Sample : R-8_(4.0-5,07685-041,S,5.00g,61.7,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:41:43 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	41256.5E6	33282.9E6	240.118	231.211
Spiked Amount 200.000			Recovery	=	120.06%	115.61%
2) S DCB	13.10	13.17	12741.6E6	6482.7E6	218.275m	161.842m#
Spiked Amount 200.000			Recovery	=	109.14%	80.92%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

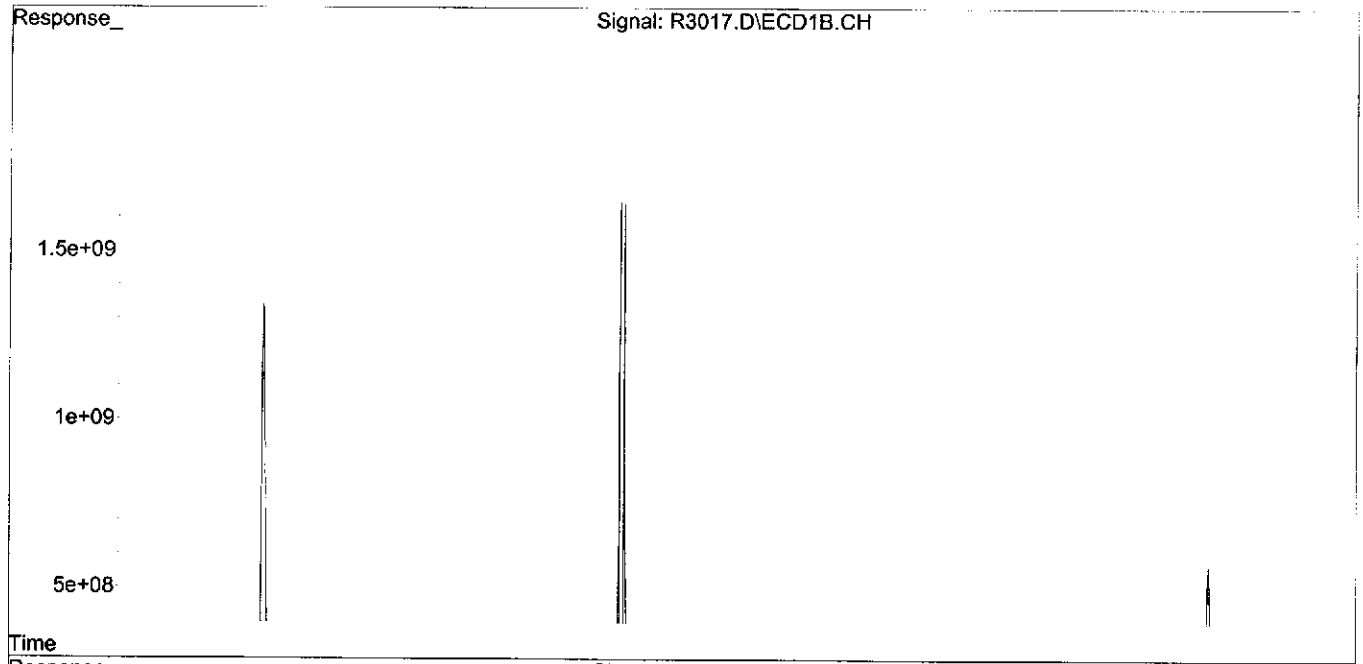
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

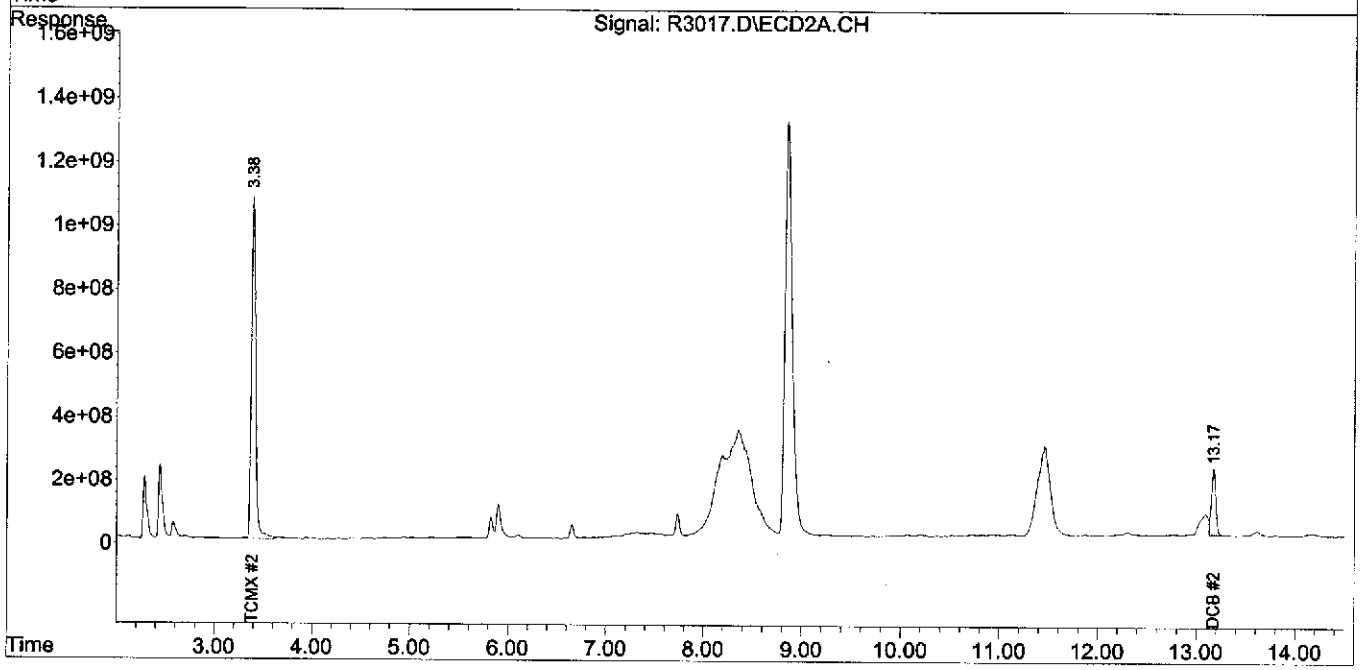
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3017.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Aug 2012 00:45
Operator : YG
Sample : R-8_(4.0-5,07685-041,S,5.00g,61.7,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 16 Sample Multiplier: 1

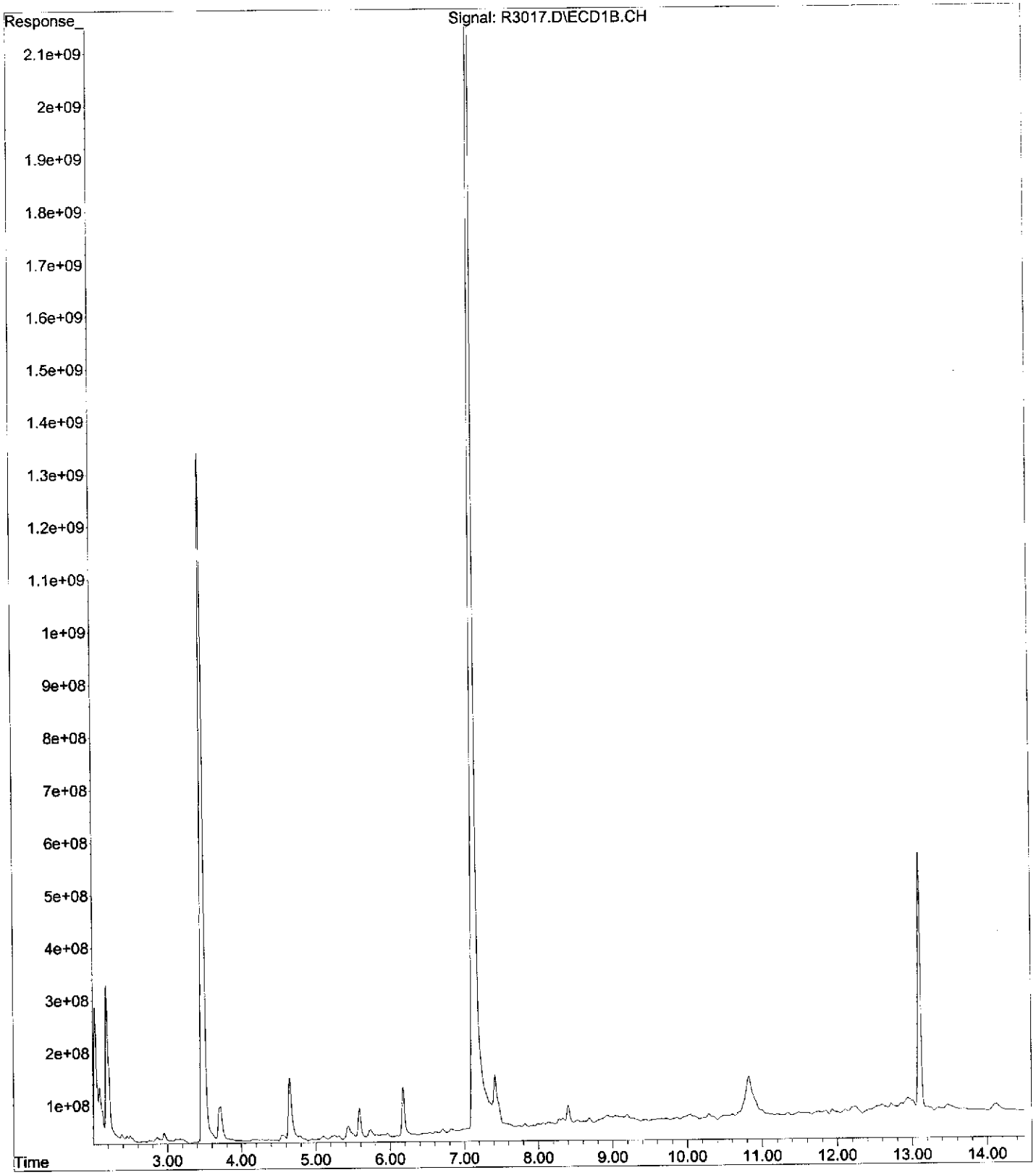
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:41:43 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





File :C:\MSDChem\1\DATA\08-15-12\R3017.D
Operator : YG
Acquired : 16 Aug 2012 00:45 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: R-8_(4.0-5,07685-041,S,5.00g,61.7,08/08/12,4
Misc Info : 120808-07,07/31/12,07/31/12,1
Vial Number: 16



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3018.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Aug 2012 1:02
Operator : YG
Sample : R-8_(5.0-6,07685-042,S,5.00g,20.8,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:42:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	3.39	43470.8E6	32984.9E6	253.005	229.141
Spiked Amount 200.000			Recovery	=	126.50%	114.57%
2) S DCB	13.10	13.17	11092.8E6	5813.3E6	190.030	145.129
Spiked Amount 200.000			Recovery	=	95.02%	72.56%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

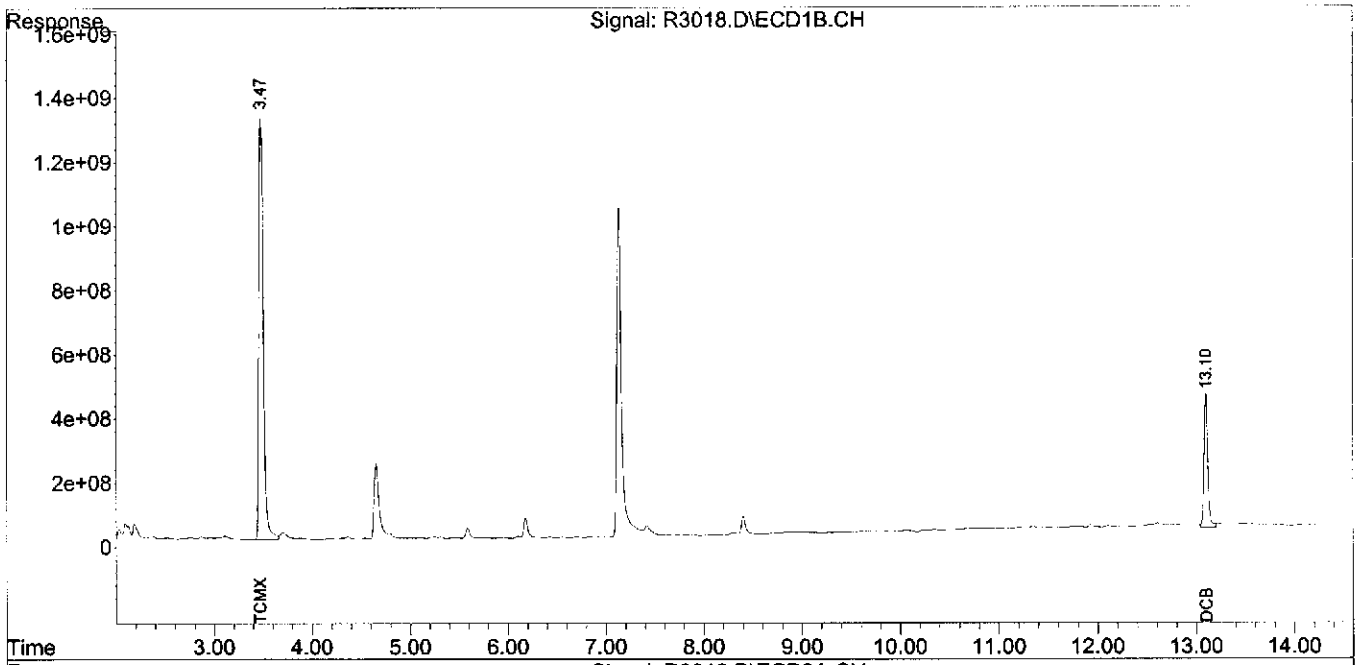
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

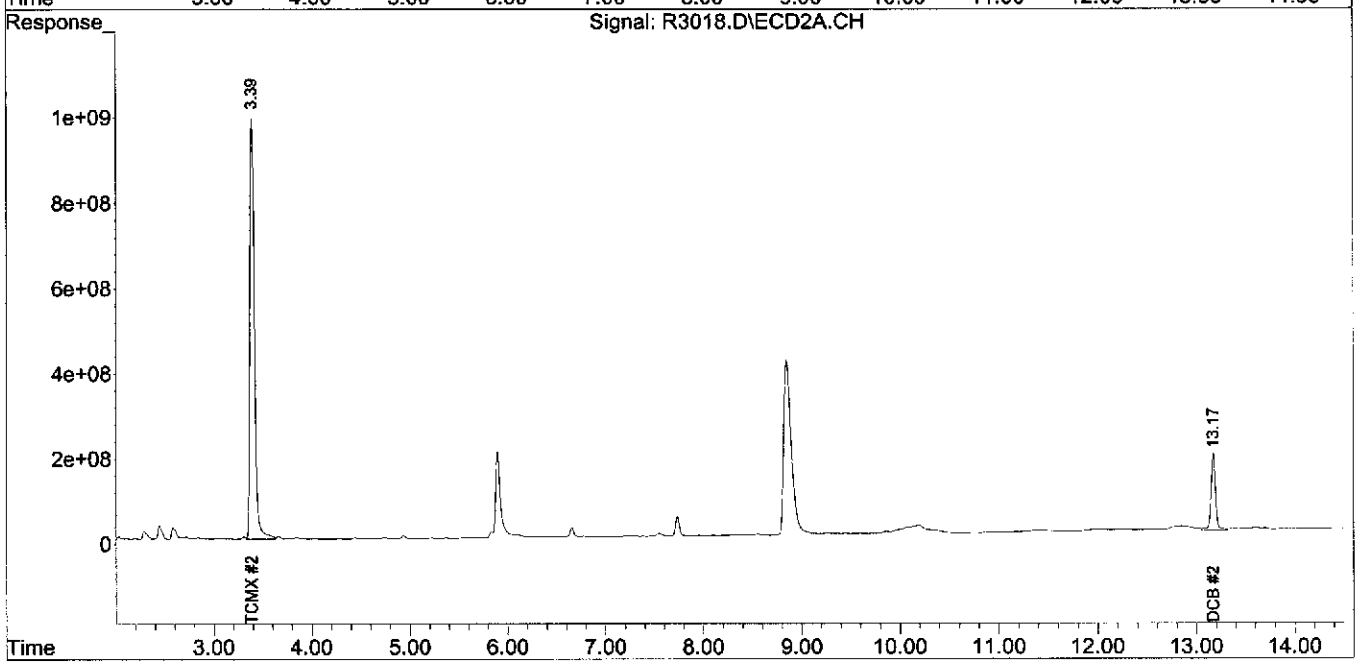
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3018.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Aug 2012 1:02
Operator : YG
Sample : R-8_(5.0-6,07685-042,S,5.00g,20.8,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:42:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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\08-17-12\
Data File : R3149.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 17 Aug 2012 20:29
Operator : YG
Sample : S-8_(0-2.0,07685-043,S,5.00g,37.4,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 11:54:44 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	21758.1E6	27554.7E6	126.635	191.418 #
Spiked Amount 200.000			Recovery	=	63.32%	95.71%
2) S DCB	13.10	13.17	7953.0E6	4714.2E6	136.241m	117.690m
Spiked Amount 200.000			Recovery	=	68.12%	58.85%
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
33) L8 Aroclor-1260	9.26	8.74	5141.5E6	1895.8E6	366.724	300.182
34) L8 Aroclor-1260 {2}	9.94	9.15	1751.5E6	2514.3E6	236.197	344.499 #
35) L8 Aroclor-1260 {3}	10.42	10.35	4541.9E6	1797.9E6	181.614	356.725 #
36) L8 Aroclor-1260 {4}	10.91	10.86	2104.0E6	2074.8E6	202.452	206.875
37) L8 Aroclor-1260 {5}	11.99	11.46	1180.0E6	1442.3E6	254.188	177.554 #
Sum Aroclor-1260			14718.9E6	9725.1E6	1241.175	1385.835
Average Aroclor-1260					248.235	277.167
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

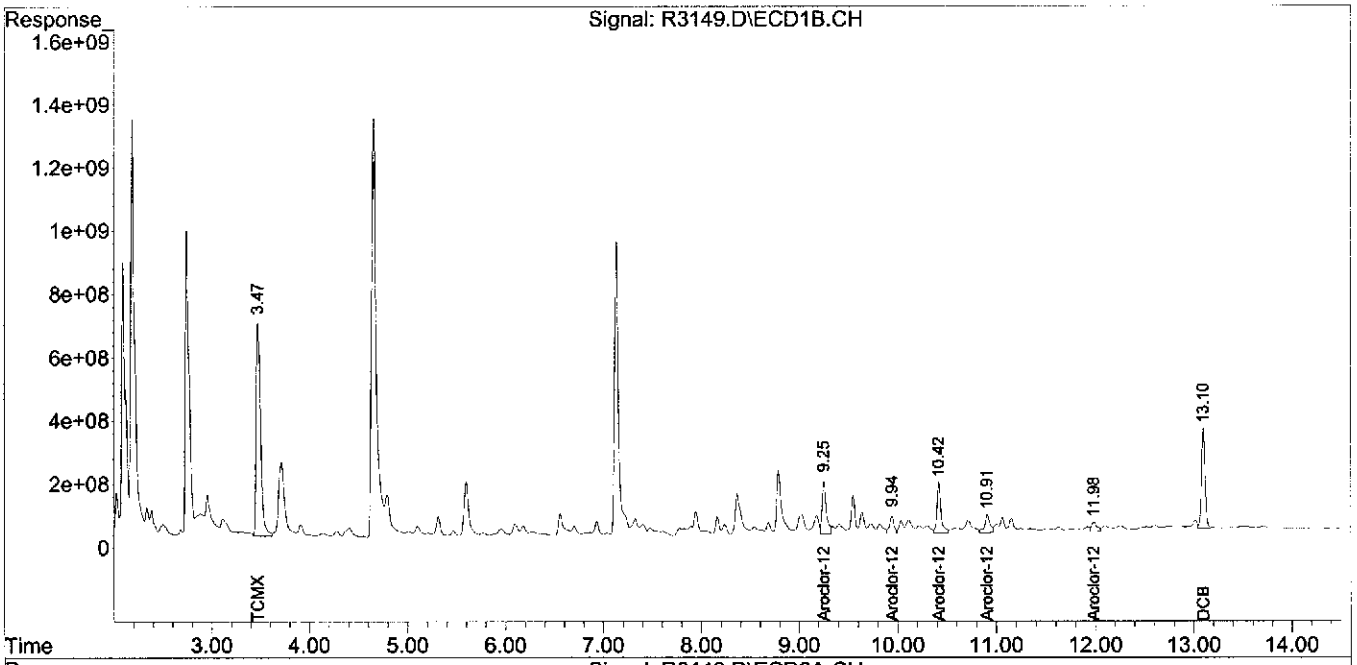
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

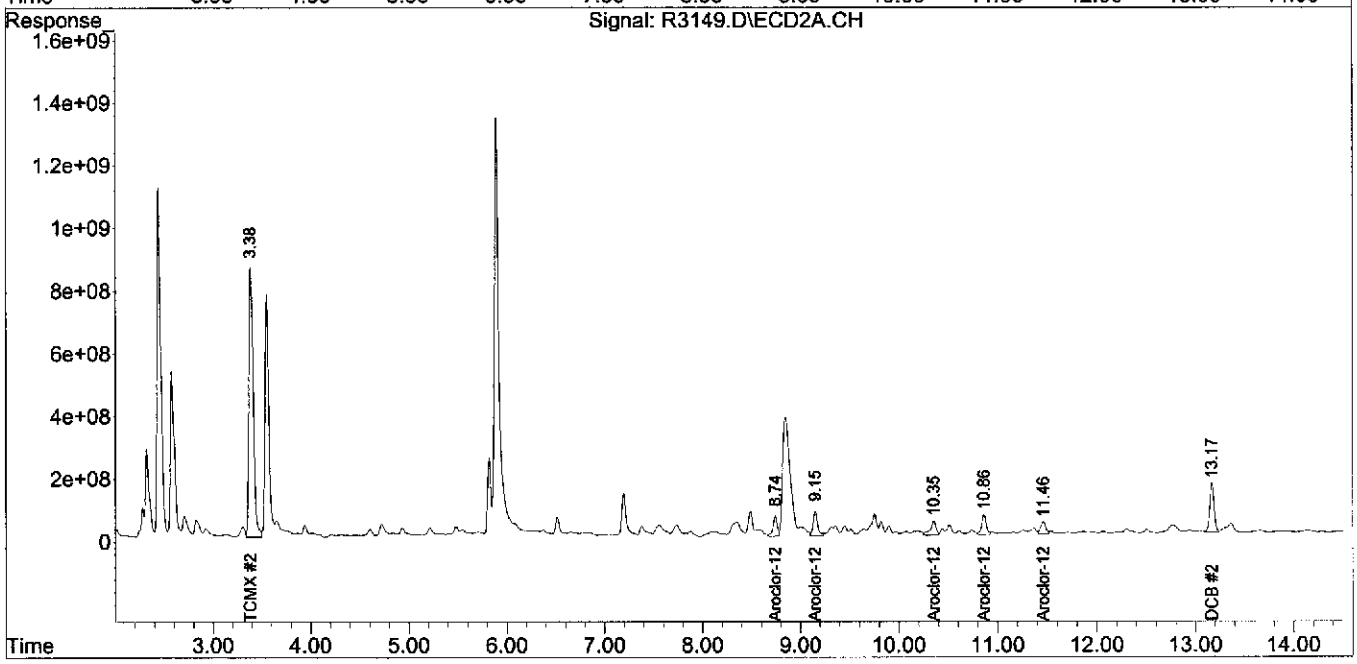
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-17-12\
Data File : R3149.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 17 Aug 2012 20:29
Operator : YG
Sample : S-8_(0-2.0,07685-043,S,5.00g,37.4,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 11:54:44 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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\08-15-12\
Data File : R3020.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Aug 2012 1:37
Operator : YG
Sample : S-8_(2.0-3,07685-044,S,5.00g,12.1,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 11:20:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	40581.1E6	34214.1E6	236.187	237.680
Spiked Amount 200.000			Recovery	=	118.09%	118.84%
2) S DCB	13.10	13.17	10929.8E6	5396.4E6	187.237m	134.721m#
Spiked Amount 200.000			Recovery	=	93.62%	67.36%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

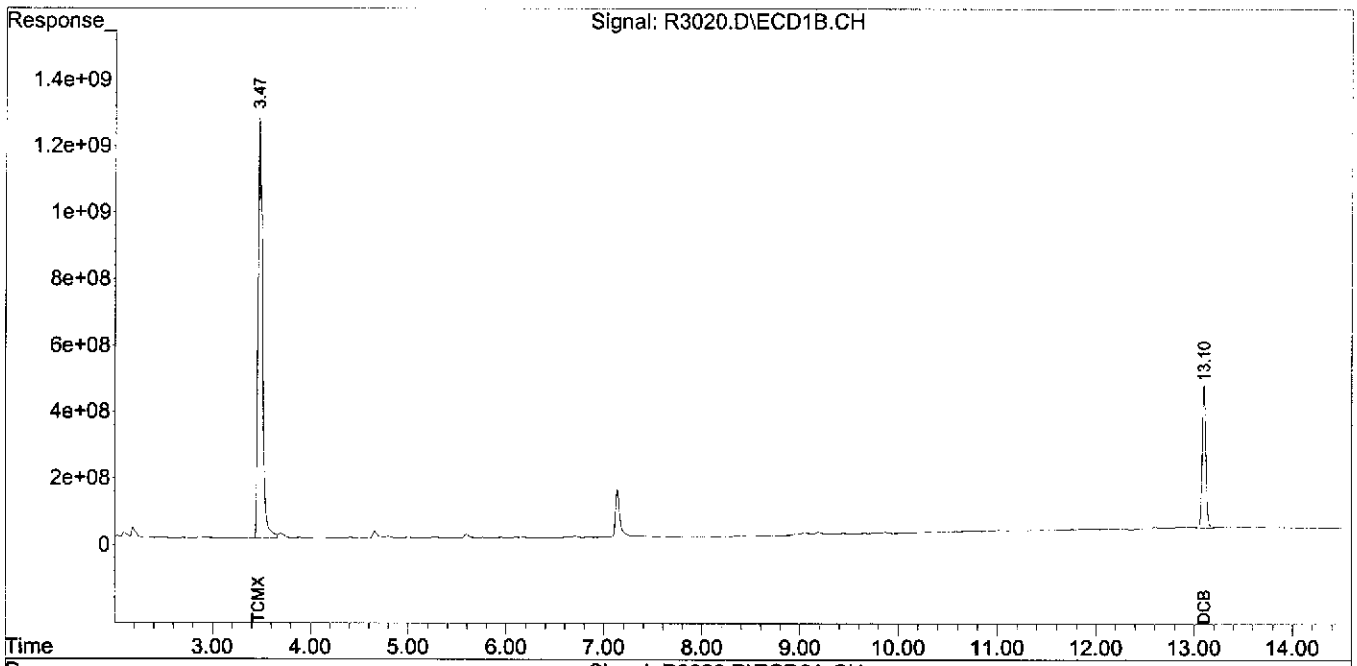
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

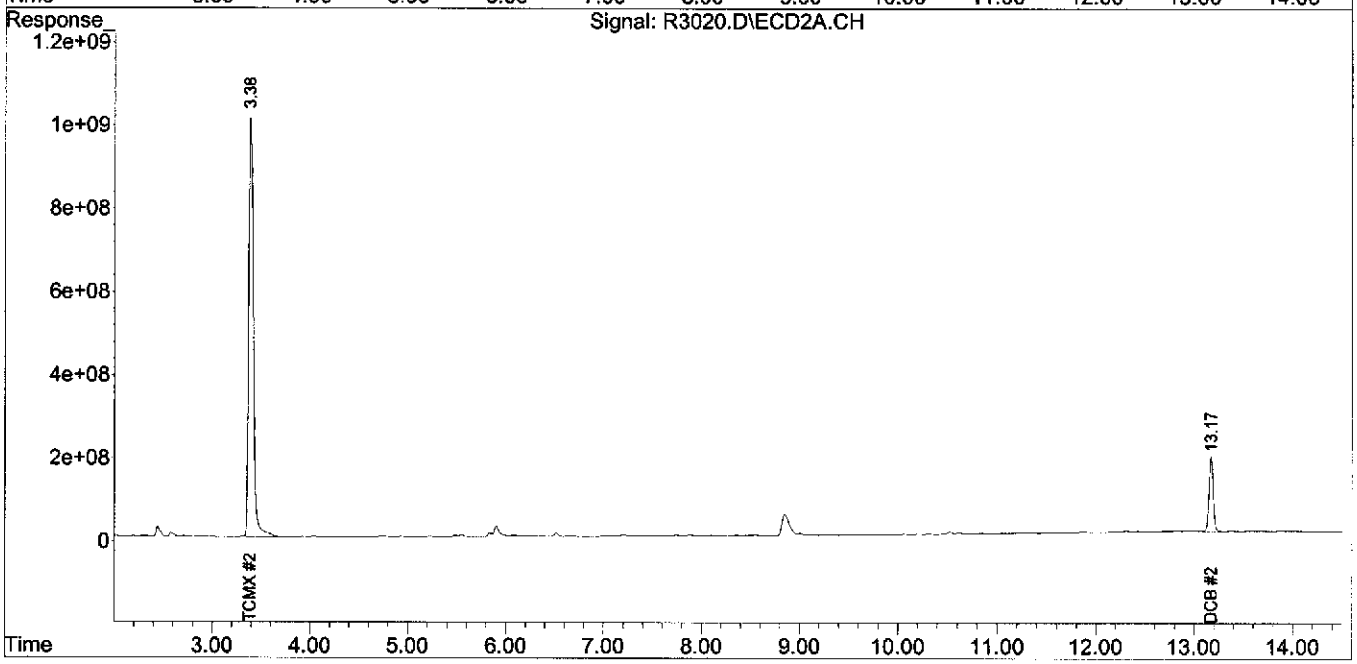
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3020.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Aug 2012 1:37
Operator : YG
Sample : S-8_(2.0-3,07685-044,S,5.00g,12.1,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 11:20:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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\08-15-12\
Data File : R3021.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Aug 2012 1:54
Operator : YG
Sample : S-8_(3.25-,07685-045,S,5.00g,55.3,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 11:21:13 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	44713.0E6	35383.8E6	260.235	245.806
Spiked Amount 200.000			Recovery	=	130.12%	122.90%
2) S DCB	13.10	13.17	12291.3E6	6188.1E6	210.561m	154.486m#
Spiked Amount 200.000			Recovery	=	105.28%	77.24%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

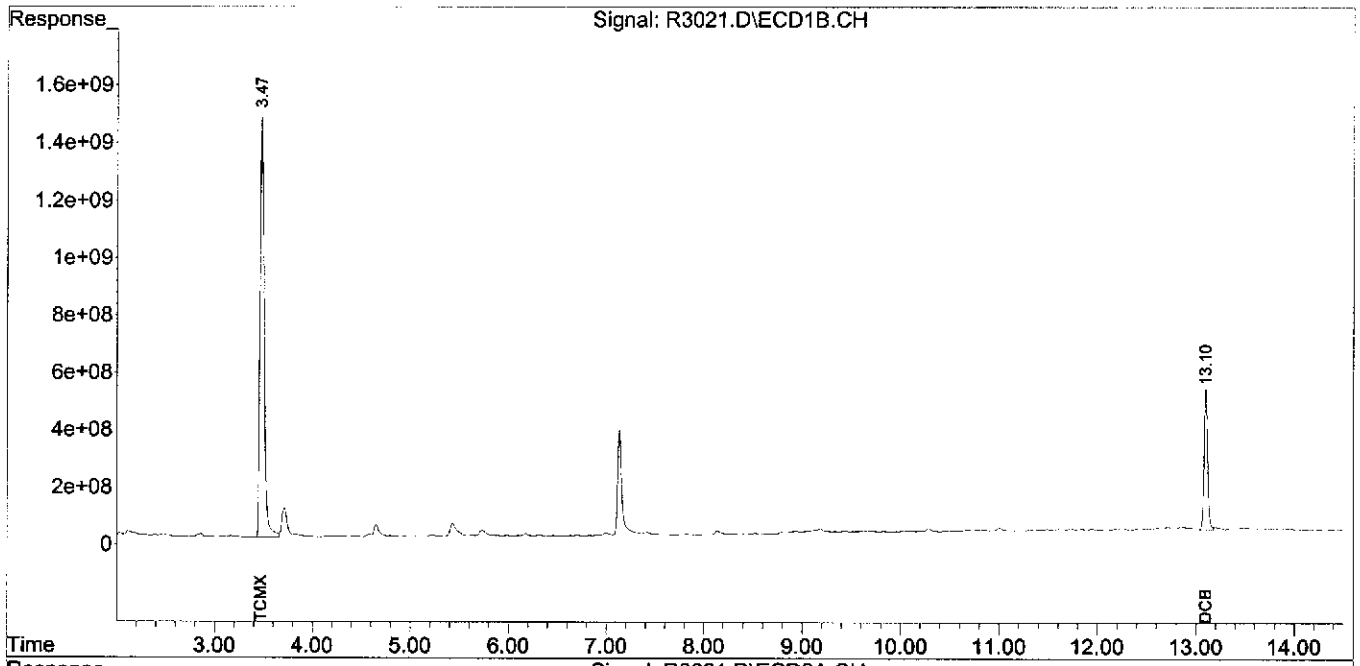
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

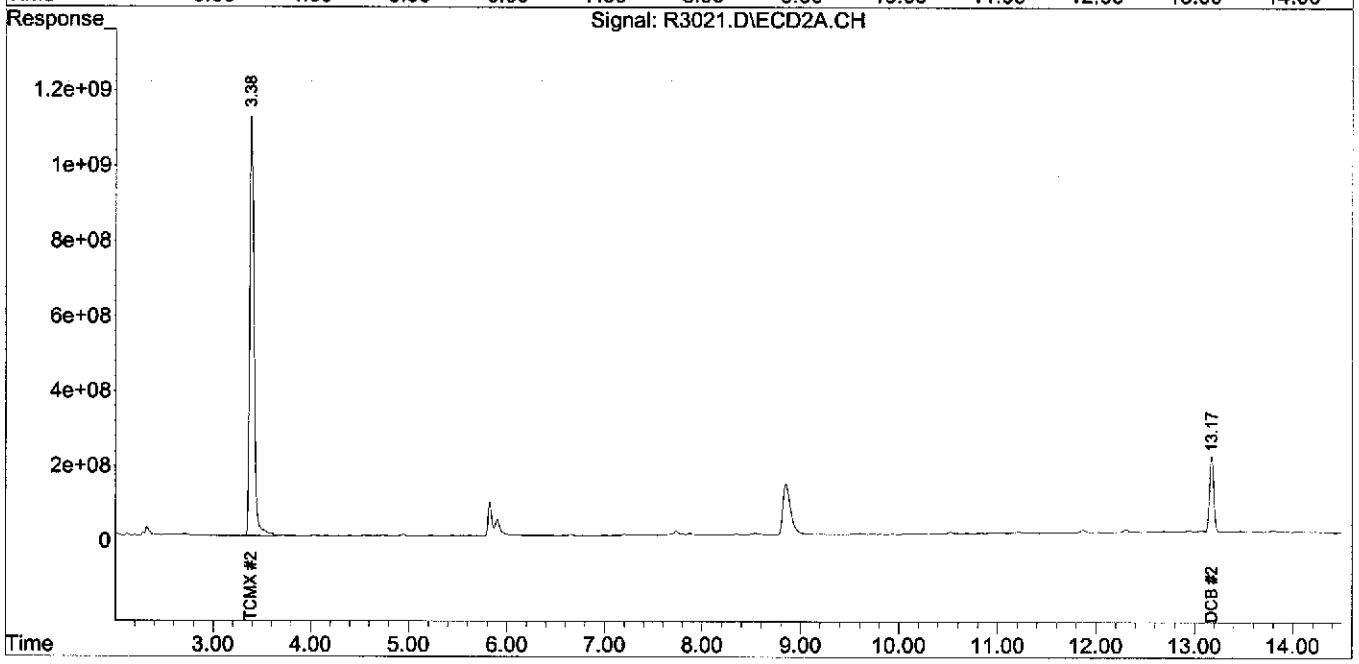
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3021.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Aug 2012 1:54
Operator : YG
Sample : S-8_(3.25-,07685-045,S,5.00g,55.3,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 11:21:13 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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\08-15-12\
Data File : R3022.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Aug 2012 2:11
Operator : YG
Sample : S-8_(4.0-6,07685-046,S,5.00g,22.9,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 11:22:37 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	3.39	43221.2E6	34509.5E6	251.552	239.732
Spiked Amount 200.000			Recovery	=	125.78%	119.87%
2) S DCB	13.10	13.17	10383.6E6	5523.2E6	177.880m	137.888m
Spiked Amount 200.000			Recovery	=	88.94%	68.94%
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

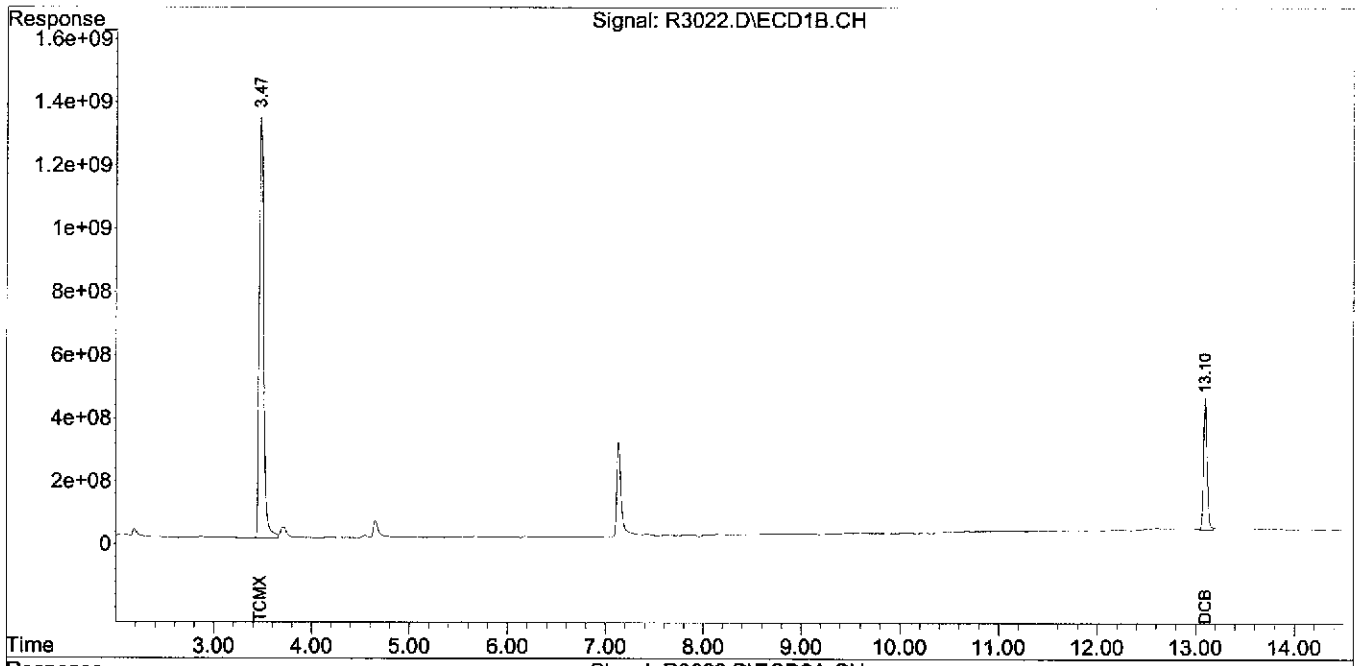
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

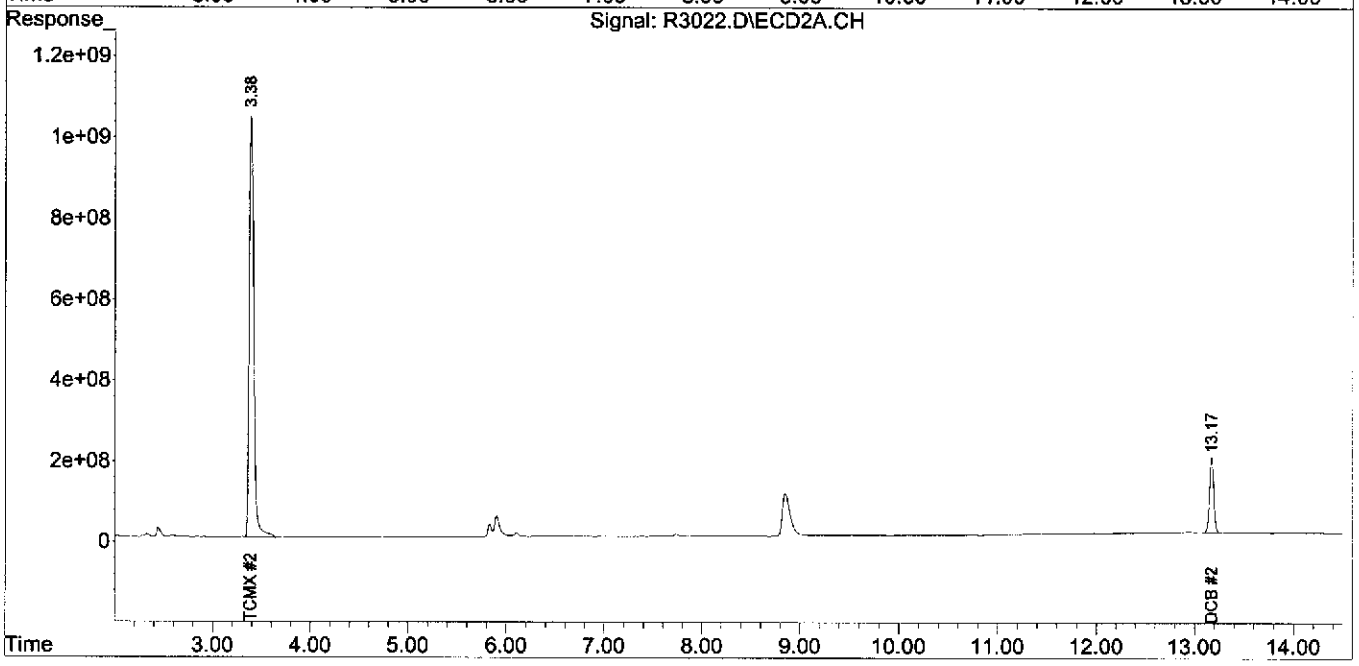
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3022.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Aug 2012 2:11
Operator : YG
Sample : S-8_(4.0-6,07685-046,S,5.00g,22.9,08/08/12,4
Misc : 120808-07,07/31/12,07/31/12,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 11:22:37 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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\08-08-12\
Data File : R2593.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 Aug 2012 20:40
Operator : YG
Sample : FB-24,07685-047,A,1000ml,100,08/06/12,1
Misc : 120806-13,07/31/12,07/31/12,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 10 13:34:37 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	30105.5E6	22393.5E6	175.217	155.564
Spiked Amount 200.000			Recovery	=	87.61%	77.78%
2) S DCB	13.10	13.18	6084.8E6	3639.8E6	104.237m	90.868m
Spiked Amount 200.000			Recovery	=	52.12%	45.43%
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

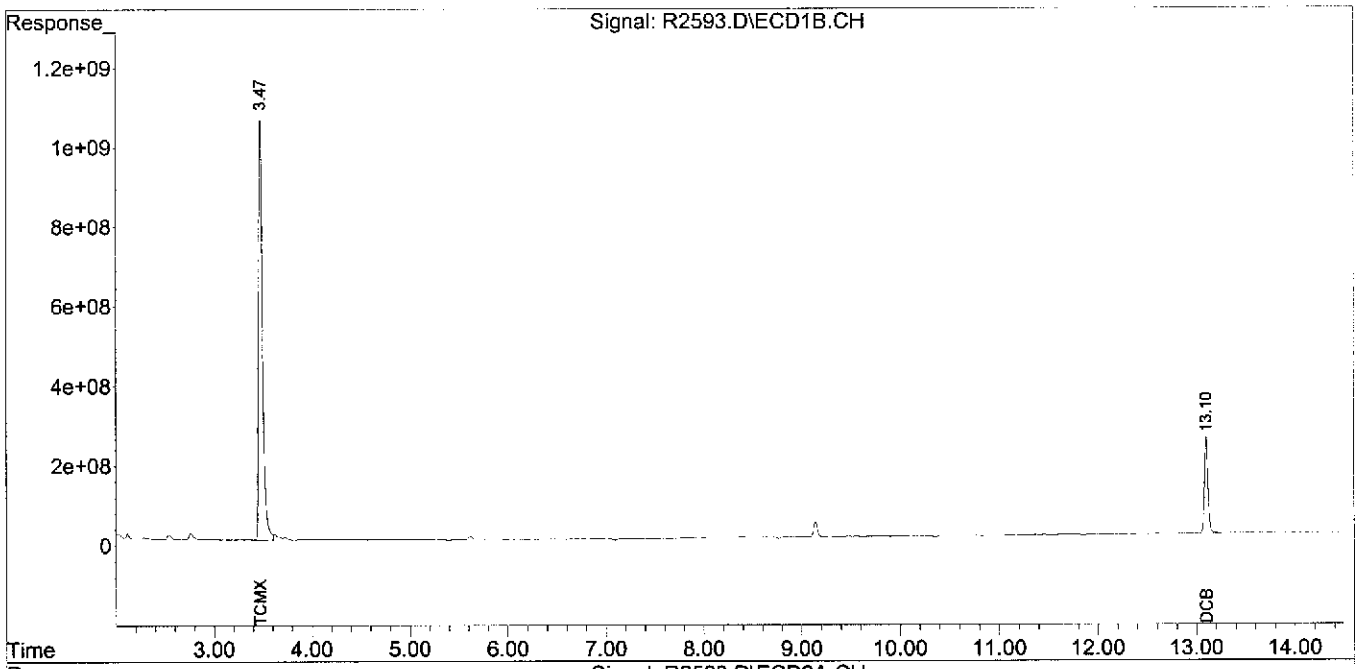
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

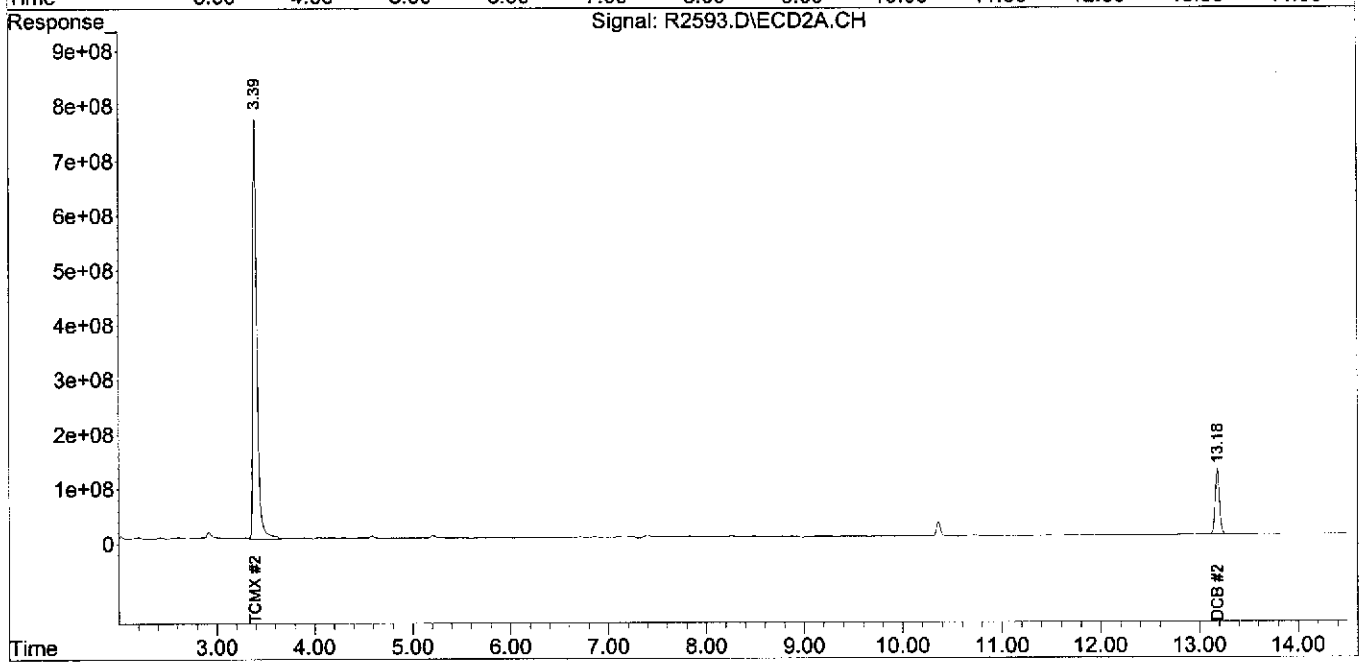
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-08-12\
Data File : R2593.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 Aug 2012 20:40
Operator : YG
Sample : FB-24,07685-047,A,1000ml,100,08/06/12,1
Misc : 120806-13,07/31/12,07/31/12,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 10 13:34:37 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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: BLKA120726-07
Client ID: PCB
Date Received: NA
Date Extracted: 07/26/2012
Date Analyzed: 07/31/2012
Data file: Y7718.D

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

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

E12-07685 0239

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKA120806-13
Client ID: PCB
Date Received: NA
Date Extracted: 08/06/2012
Date Analyzed: 08/08/2012
Data file: R2591.D

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

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

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-08-12\
Data File : R2591.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 Aug 2012 20:05
Operator : YG
Sample : PCB,BLKA120806-13,A,1000ml,100,08/06/12,1
Misc : NA,NA,NA,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 10 13:32:58 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	39939.0E6	27256.8E6	232.450	189.349
Spiked Amount 200.000			Recovery	=	116.22%	94.67%
2) S DCB	13.10	13.18	7482.9E6	4297.2E6	128.188	107.280m
Spiked Amount 200.000			Recovery	=	64.09%	53.64%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

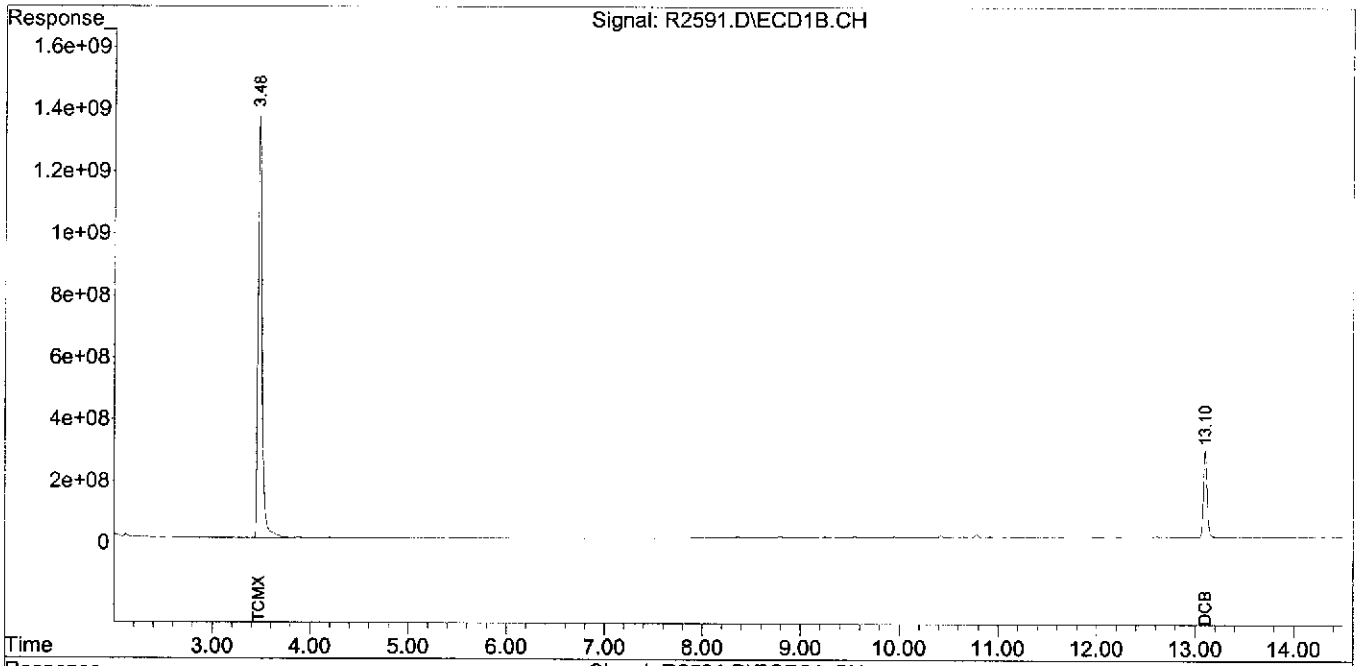
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

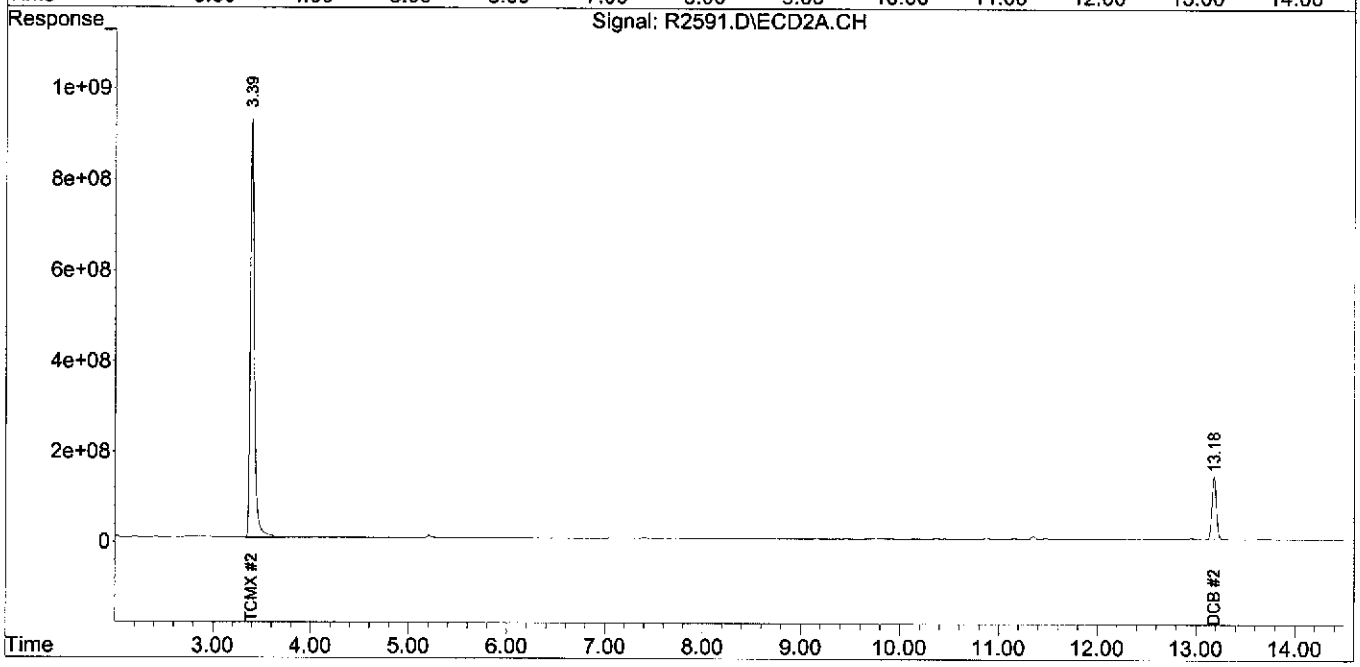
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-08-12\
Data File : R2591.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 Aug 2012 20:05
Operator : YG
Sample : PCB,BLKA120806-13,A,1000ml,100,08/06/12,1
Misc : NA,NA,NA,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 10 13:32:58 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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: BLKS120802-16
Client ID: PCB
Date Received: NA
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2974.D

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

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2974.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 10:27
Operator : YG
Sample : PCB,BLKS120802-16,S,5.00g,0,08/02/12,4
Misc : NA,NA,NA,1
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:21:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	42760.4E6	34175.4E6	248.871	237.412
Spiked Amount 200.000			Recovery	=	124.44%	118.71%
2) S DCB	13.10	13.17	8940.6E6	5474.8E6	153.161m	136.679m
Spiked Amount 200.000			Recovery	=	76.58%	68.34%
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

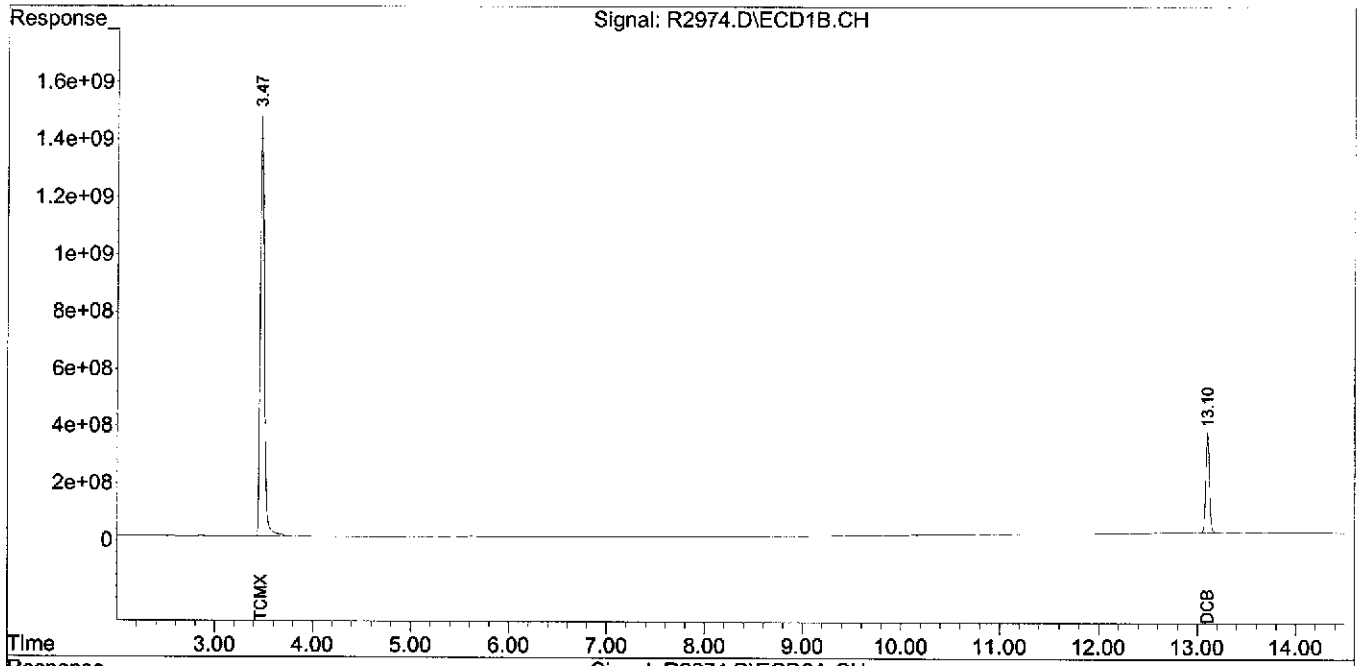
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

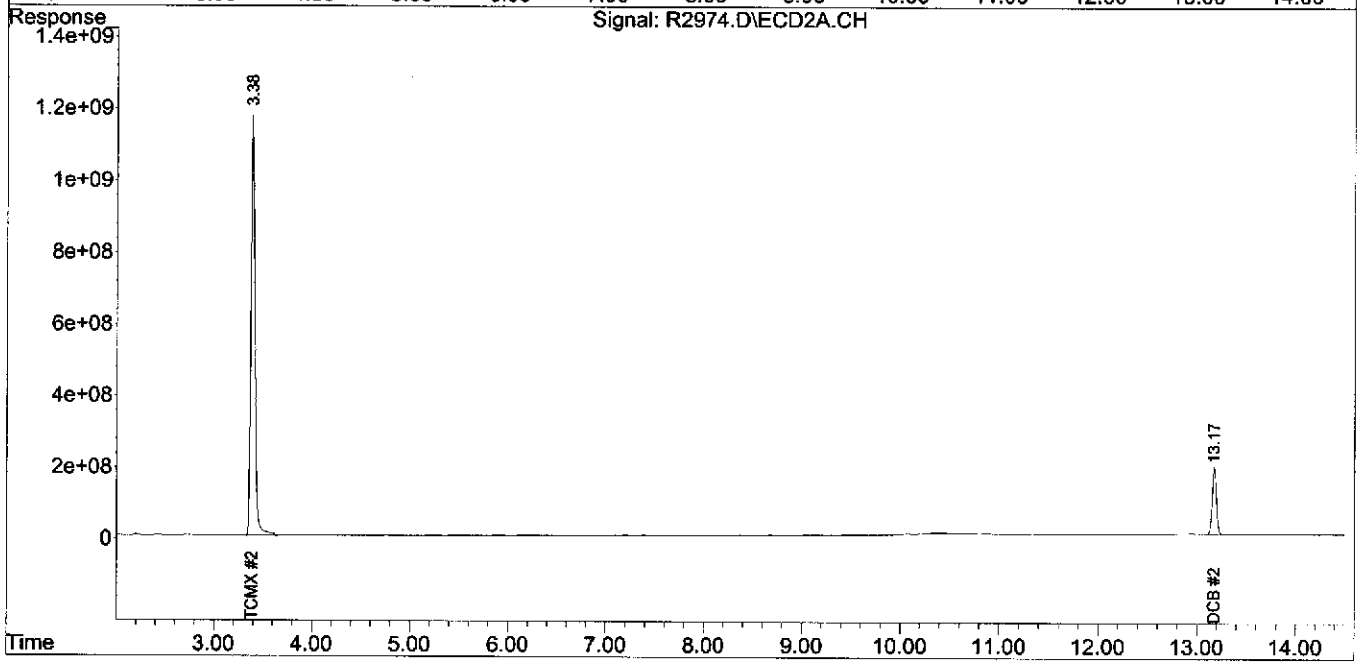
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2974.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 10:27
Operator : YG
Sample : PCB,BLKS120802-16,S,5.00g,0,08/02/12,4
Misc : NA,NA,NA,1
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 09:21:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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: BLKS120807-05
Client ID: PCB
Date Received: NA
Date Extracted: 08/07/2012
Date Analyzed: 08/15/2012
Data file: Y8469.D

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

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8469.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 3:55
Operator : YG
Sample : PCB,BLKS120807-05,S,5.00g,0,08/07/12,4
Misc : NA,NA,NA,1
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:20:17 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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	20137.6E6	6814.5E6	211.817	194.964
Spiked Amount 200.000			Recovery	=	105.91%	97.48%
2) S DCB	12.11	12.49	4203.8E6	2018.3E6	203.990	234.864
Spiked Amount 200.000			Recovery	=	102.00%	117.43%
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

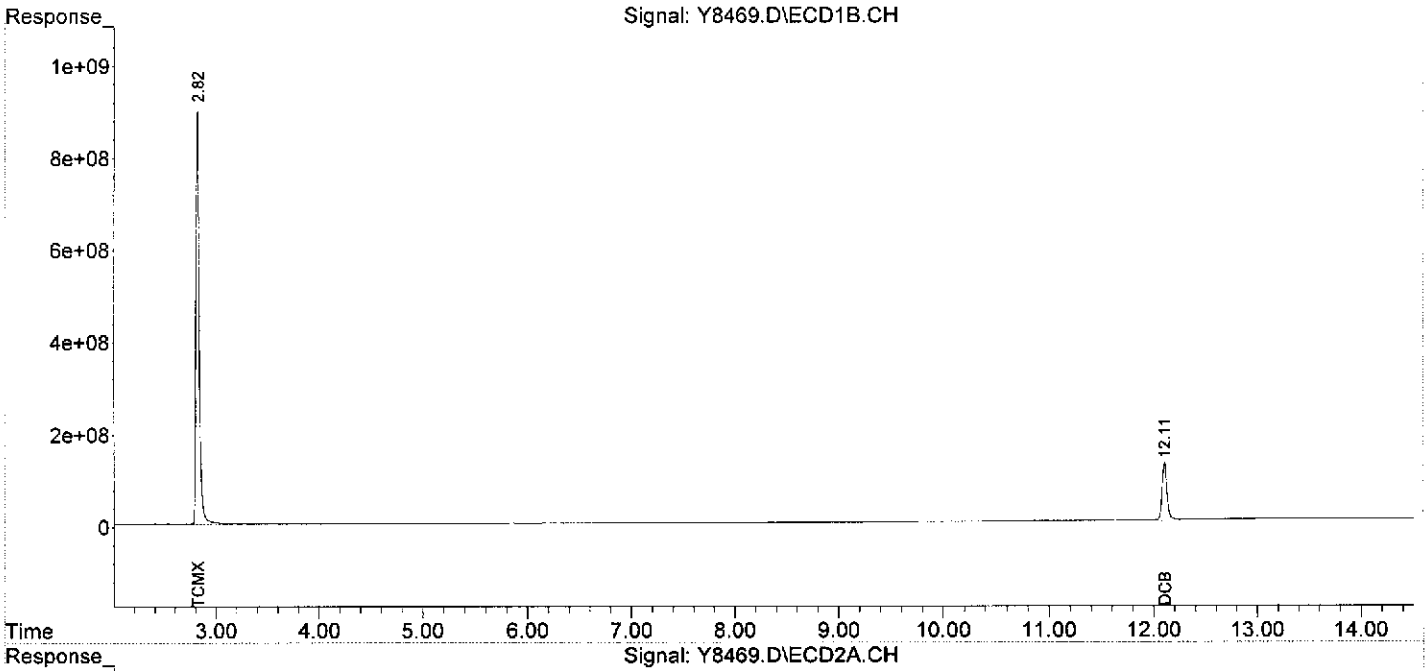
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

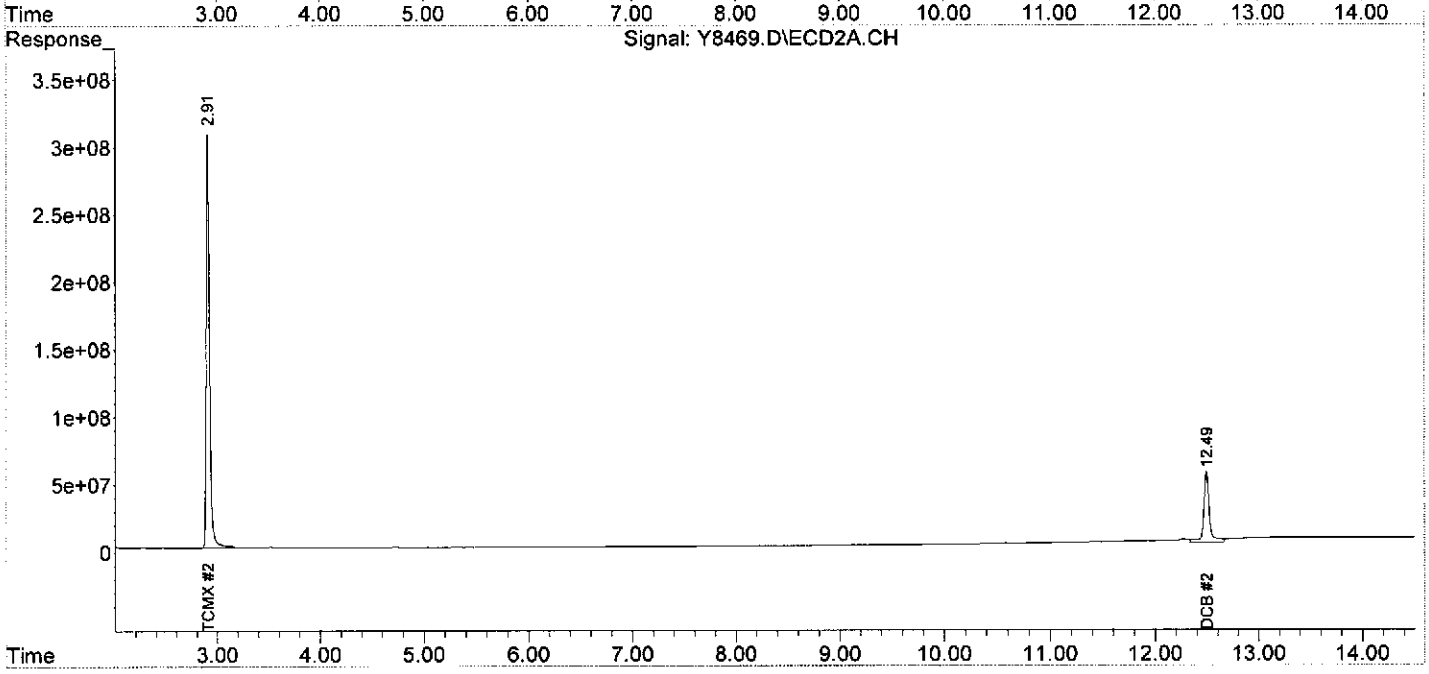
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8469.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 3:55
Operator : YG
Sample : PCB,BLKS120807-05,S,5.00g,0,08/07/12,4
Misc : NA,NA,NA,1
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:20:17 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 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: BLKS120808-07
Client ID: PCB
Date Received: NA
Date Extracted: 08/08/2012
Date Analyzed: 08/15/2012
Data file: R3010.D

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

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3010.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 22:43
Operator : YG
Sample : PCB,BLKS120808-07,S,5.00g,0,08/08/12,4
Misc : NA,NA,NA,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:29:31 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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	3.39	47388.0E6	34165.1E6	275.804	237.340
Spiked Amount 200.000			Recovery	=	137.90%	118.67%
2) S DCB	13.10	13.17	11047.6E6	5379.8E6	189.254	134.308m#
Spiked Amount 200.000			Recovery	=	94.63%	67.15%
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

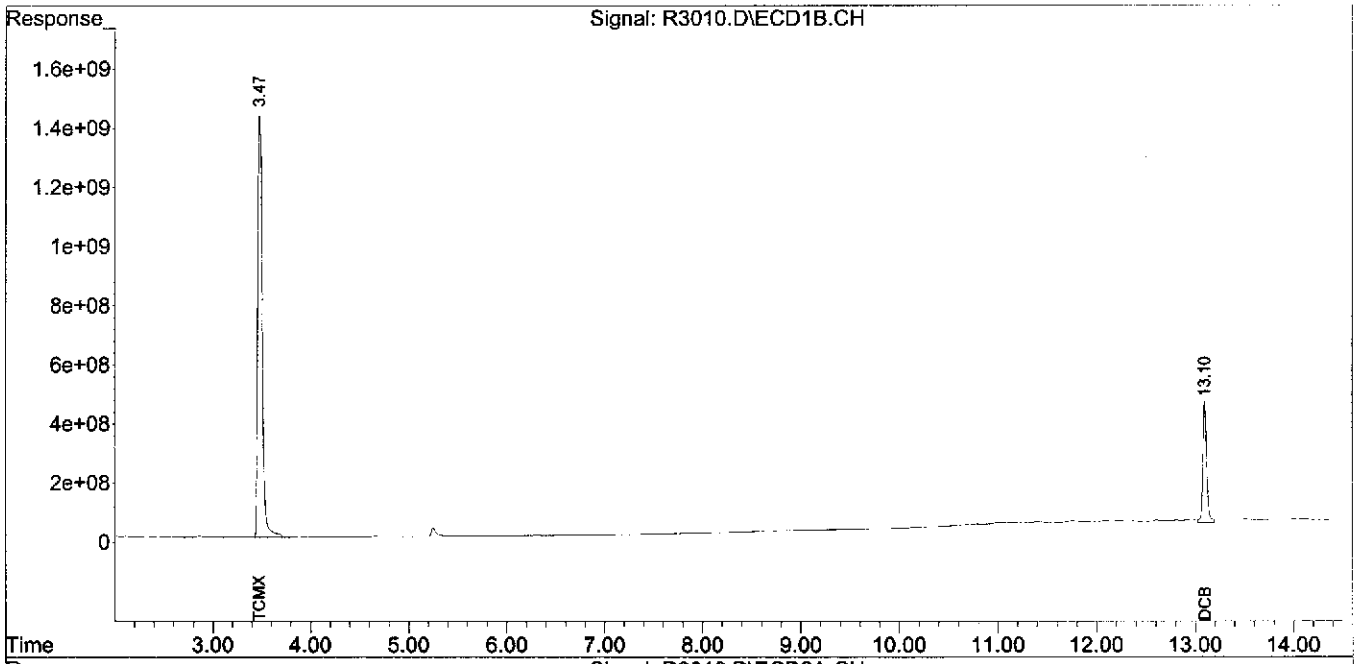
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

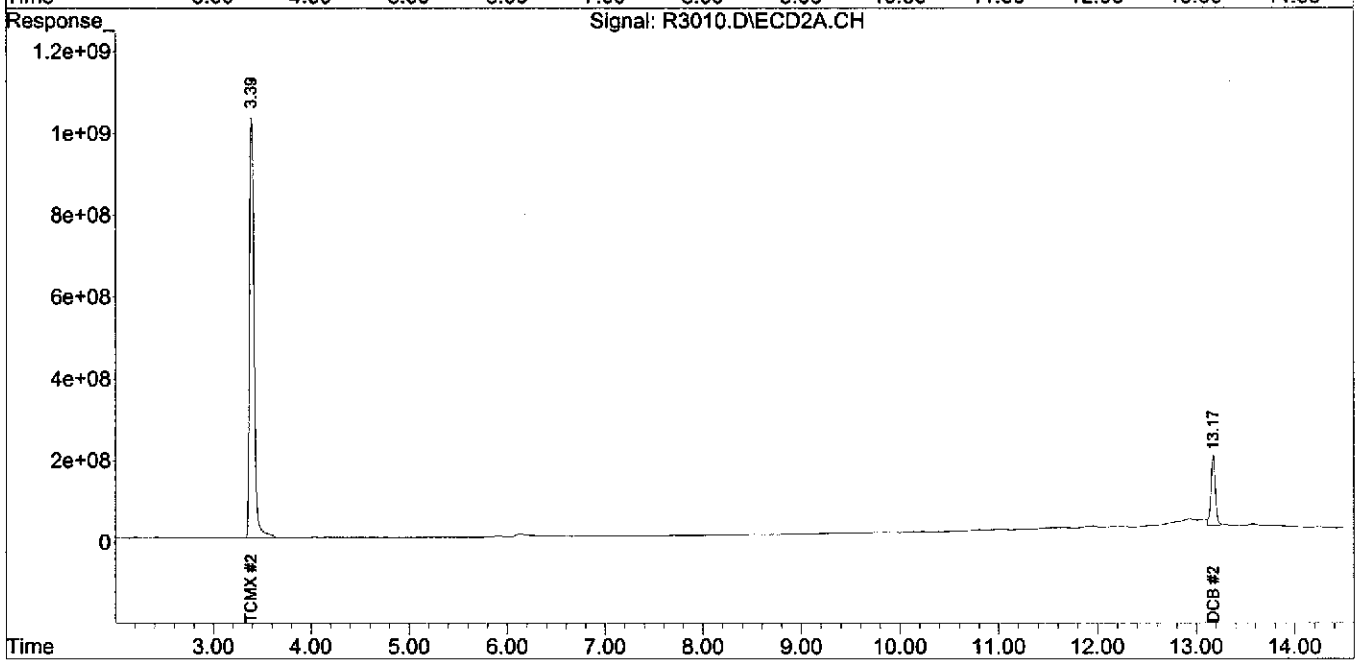
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3010.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 22:43
Operator : YG
Sample : PCB,BLKS120808-07,S,5.00g,0,08/08/12,4
Misc : NA,NA,NA,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 21 10:29:31 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 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: IMC 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@imcenvironmental.com	Address: 4 Tri Harbor Court	
Sampler: Alton Hallgreen, Steve Kosch	Port Washington, NY 11050	
Project Name: Anynco	(with copy to: IMC 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	# container s	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NaOH/ZNAc	Sterile
R-10 (0-2.0')		7/31/12	9:02	S	1	1	x						
R-10 (2.0'-4.0')			9:03	S	1	2	x						
R-10 (4.25-5.25)			9:04	S	1	3	x						
R-10 (5.25-6.0)			9:04	S	1	4	x						
S-10 (0-2.0')			9:48	S	1	5	x						
S-10 (2.0'-4.0')			9:48	S	1	6	x						
S-10 (4.0'-6.0')			9:50	S	1	7	x						
S-10 (6.0'-8.0')			9:51	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:	7/31/12	15:23	Received by:	7/31/12	15:25
Relinquished by:	7/31/12	16:45	Received by:	7/31/12	16:45
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 07685

PAGE: 1 of 6

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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: Anynco	(with copy to: JMC Environmental (attn.: J. Clabby))	
Project Location (State): NJ	Attn: Ed Kelly	
Bottle Order #:	PO # 22126	
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Verbal/Fax: Std 2 wk unless otherwise specified

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

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

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

Cooler Temp ___<4___°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	# container s	IAL #	TCL PCB (8082)	HCL	HNO3	NaOH	H2SO4	NAOH/ZNAc	Sterile
T-10 (0-2.0')		7/31/12	10:25	S	1	9	x						
T-10 (2.0'-4.0')			10:26	S	1	10	x						
T-10 (4.0'-5.5')			10:26	S	1	11	x						
T-10 (5.0'-8.0')			10:27	S	1	12	x						
T-9 (0-2.0)			10:48	S	1	13	x						
T-9 (2.0'-4.0')			10:49	S	1	14	x						
T-9 (4.0'-5.0')			10:49	S	1	15	x						
T-9 (5.0'-6.0')			10:50	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:	7/31/12	15:25	Received by:	7/31/12	15:25
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Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 07685

PAGE: 2 of 6

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Integrated Analytical Laboratories LLC
Integrated Analytical Labs
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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)

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PHC - MUST CHOOSE

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

NJ EPH - C40 (5 day TAT)

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

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

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

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

Cooler Temp 4 °C

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	# container #	IAL #	TCL PCB (8082)	HCL	HNO3	NaOH	H2SO4	NAOH/ZN/Ac	Sterile
S-9 (0-2.0)		7/31/12	11:17	S	1	17	x						
S-9 (2.0-4.0)			11:18	S	1	18	x						
S-9 (4.0-4.75)			11:19	S	1	19	x						
S-9 (4.75-6.0)			11:20	S	1	20	x						
R-9 (0-2.0)			11:43	S	1	21	x						
R-9 (2.0-4.0)			11:44	S	1	22	x						
R-9 (4.0-5.25)			11:45	S	1	23	x						
R-9 (5.25-6.0)			11:46	S	1	24	x						

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

MDL Req: GWQS (11/05) - SRS - SRS/GW - 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
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Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 07685

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Fax #: (732) 295-2150	FAX # (732) 295-2150	
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EMAIL Address: jclabby@jmcenvironmental.com	Address: 4 Tri Harbor Court	
Sampler: Alton Hallgreen, Steve Koach	Port Washington, NY 11050	
Project Name: Arsynco	(with copy to: JMC Environmental (attn.: J. Clabby))	
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Quote # : SR041205		

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

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Cooler Temp <4 4 °C

Sample Matrix

DW - Drinking Water AQ - Aqueous WW - Waste Water
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SAMPLE INFORMATION

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# container #	IAL #	TCL PCB (8082)	HCL	HNO3	NaOH	H2SO4	NAOH/ZNAc	Sterile
R-9 (6.0-8.0')		7/31/12	11:47	S	1	25	x						
Q-9 (0-2.0')			12:17	S	1	26	x						
Q-9 (2.0-4.0')			12:18	S	1	27	x						
Q-9 (4.0-5.0')			12:19	S	1	3828	x						
Q-9 (5.0-6.0')			12:20	S	1	3929	x						
Q-9 (6.0-8.0')			12:20	S	1	4030	x						
P-8 (0-2.0')			1:33	S	1	4131	x						
P-8 (2.0-4.0')			1:34	S	1	4232	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:			Received by:		
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Comments:

Lab Case # 07685

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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 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

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# container #	MDL #	TCL PCB (8082)	BSCL	BNO3	NaOH	H2SO4	NAOH/ZNAc	Sterile
P-8 (4.0-5.0)		7/31/12	1:34	S	1	4833	x						
P-8 (5.0-6.0)			1:35	S	1	4844	x						
Q-8 (0-2.0)			1:56	S	1	4855	x						
Q-8 (2.0-4.0)			1:56	S	1	4636	x						
Q-8 (4.0-5.0)			1:57	S	1	4737	x						
Q-8 (5.0-6.0)			1:58	S	1	4838	x						
R-8 (0-2.0)			2:15	S	1	4939	x						
R-8 (2.0-4.0)			2:17	S	1	5040	x						

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

ANALYTICAL PARAMETERS — # BOTTLES & PRESERVATIVES

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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Relinquished by:			Received by:		

Comments:

Lab Case # 07685

PAGE: 5 of 6

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Cooler Temp <4 °C

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R-8 (4.0'-5.0')		7/31/12	2:17	S	1	51	x	41						
R-8 (5.0'-6.0')			2:18	S	1	52	x	42						
S-8 (0-20')			2:55	S	1	53	x	43						
S-8 (2.0'-3.25')			2:56	S	1	54	x	44						
S-8 (3.25'-4.0')			2:57	S	1	55	x	45						
S-8 (4.0-6.0')			2:59	S	1	56	x	46						
FB-24			3:10	AQ	2	57	x	47						
							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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PAGE: 6 of 6

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PROJECT INFORMATION

E12-07685

Case No. E12-07685 **Project** ARSYNCO

Customer	JMC Environmental Consultants	**P.O. #**	22126
Contact	Jim Clabby	**Received**	7/31/2012 16:45
EMail	jclabby@jmcenvironmental.com; ahallgreen@jmcenvironmental.co tadams@jmcenvironmental.com	**Verbal Due**	8/14/2012
Phone	(732) 295-7144 **Fax** (732) 295-2150	**Report Due**	8/21/2012

☑ EMail EDDs

Report To

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

Bill To

Accto 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
07685-001	R-10 (0-2.0)	0 / 2	7/31/2012@09:02	Soil	mg/Kg	1
07685-002	R-10 (2.0-4.0)	2 / 4	7/31/2012@09:03	Soil	mg/Kg	1
07685-003	R-10 (4.25-5.25)	4.25 / 5.25	7/31/2012@09:04	Soil	mg/Kg	1
07685-004	R-10 (5.25-6.0)	5.25 / 6	7/31/2012@09:04	Soil	mg/Kg	1
07685-005	S-10 (0-2.0)	0 / 2	7/31/2012@09:48	Soil	mg/Kg	1
07685-006	S-10 (2.0-4.0)	2 / 4	7/31/2012@09:48	Soil	mg/Kg	1
07685-007	S-10 (4.0-6.0)	4 / 6	7/31/2012@09:50	Soil	mg/Kg	1
07685-008	S-10 (6.0-8.0)	6 / 8	7/31/2012@09:51	Soil	mg/Kg	1
07685-009	T-10 (0-2.0)	0 / 2	7/31/2012@10:25	Soil	mg/Kg	1
07685-010	T-10 (2.0-4.0)	2 / 4	7/31/2012@10:26	Soil	mg/Kg	1
07685-011	T-10 (4.0-5.5)	4 / 5.5	7/31/2012@10:26	Soil	mg/Kg	1
07685-012	T-10 (6.0-8.0)	6 / 8	7/31/2012@10:27	Soil	mg/Kg	1
07685-013	T-9 (0-2.0)	0 / 2	7/31/2012@10:48	Soil	mg/Kg	1
07685-014	T-9 (2.0-4.0)	2 / 4	7/31/2012@10:49	Soil	mg/Kg	1
07685-015	T-9 (4.0-5.0)	4 / 5	7/31/2012@10:49	Soil	mg/Kg	1
07685-016	T-9 (5.0-6.0)	5 / 6	7/31/2012@10:50	Soil	mg/Kg	1
07685-017	S-9 (0-2.0)	0 / 2	7/31/2012@11:17	Soil	mg/Kg	1
07685-018	S-9 (2.0-4.0)	2 / 4	7/31/2012@11:18	Soil	mg/Kg	1
07685-019	S-9 (4.0-4.75)	4 / 4.75	7/31/2012@11:19	Soil	mg/Kg	1
07685-020	S-9 (4.75-6.0)	4.75 / 6	7/31/2012@11:20	Soil	mg/Kg	1
07685-021	R-9 (0-2.0)	0 / 2	7/31/2012@11:43	Soil	mg/Kg	1
07685-022	R-9 (2.0-4.0)	2 / 4	7/31/2012@11:44	Soil	mg/Kg	1
07685-023	R-9 (4.0-5.25)	4 / 5.25	7/31/2012@11:45	Soil	mg/Kg	1
07685-024	R-9 (5.25-6.0)	5.25 / 6	7/31/2012@11:46	Soil	mg/Kg	1
07685-025	R-9 (6.0-8.0)	6 / 8	7/31/2012@11:47	Soil	mg/Kg	1
07685-026	Q-9 (0-2.0)	0 / 2	7/31/2012@12:17	Soil	mg/Kg	1
07685-027	Q-9 (2.0-4.0)	2 / 4	7/31/2012@12:18	Soil	mg/Kg	1
07685-028	Q-9 (4.0-5.0)	4 / 5	7/31/2012@12:19	Soil	mg/Kg	1

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

PROJECT INFORMATION

E12-07685

Case No. E12-07685 **Project** ARSYNCO

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
07685-029	Q-9 (5.0-6.0)	5 / 6	7/31/2012@12:20	Soil	mg/Kg	1
07685-030	Q-9 (6.0-8.0)	6 / 8	7/31/2012@12:20	Soil	mg/Kg	1
07685-031	P-8 (0-2.0)	0 / 2	7/31/2012@13:33	Soil	mg/Kg	1
07685-032	P-8 (2.0-4.0)	2 / 4	7/31/2012@13:34	Soil	mg/Kg	1
07685-033	P-8 (4.0-5.0)	4 / 5	7/31/2012@13:34	Soil	mg/Kg	1
07685-034	P-8 (5.0-6.0)	5 / 6	7/31/2012@13:35	Soil	mg/Kg	1
07685-035	Q-8 (0-2.0)	0 / 2	7/31/2012@13:56	Soil	mg/Kg	1
07685-036	Q-8 (2.0-4.0)	2 / 4	7/31/2012@13:56	Soil	mg/Kg	1
07685-037	Q-8 (4.0-4.5)	4 / 4.5	7/31/2012@13:57	Soil	mg/Kg	1
07685-038	Q-8 (4.5-6.0)	4.5 / 6	7/31/2012@13:58	Soil	mg/Kg	1
07685-039	R-8 (0-2.0)	0 / 2	7/31/2012@14:15	Soil	mg/Kg	1
07685-040	R-8 (2.0-4.0)	2 / 4	7/31/2012@14:17	Soil	mg/Kg	1
07685-041	R-8 (4.0-5.0)	4 / 5	7/31/2012@14:17	Soil	mg/Kg	1
07685-042	R-8 (5.0-6.0)	5 / 6	7/31/2012@14:18	Soil	mg/Kg	1
07685-043	S-8 (0-2.0)	0 / 2	7/31/2012@14:55	Soil	mg/Kg	1
07685-044	S-8 (2.0-3.25)	2 / 3.25	7/31/2012@14:56	Soil	mg/Kg	1
07685-045	S-8 (3.25-4.0)	3.25 / 4	7/31/2012@14:57	Soil	mg/Kg	1
07685-046	S-8 (4.0-6.0)	4 / 6	7/31/2012@14:59	Soil	mg/Kg	1
07685-047	FB-24	n/a	7/31/2012@15:10	Aqueous	mg/L	2

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

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PROJECT INFORMATION

E12-07685

Case No. E12-07685 **Project** ARSYNCO

Sample #	Tests	Status	QA Method
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

08/02/2012 10:32 by Mark - NOTE 2

ALSO EMAIL RESULTS & CONFIRMATIONS TO skosch@jmcenvironmental.com.

08/02/2012 15:46 by kim - REV 1

PER ALTON HALLGREEN:

Client Sample ID: Q-8 (4.0-5.0) (Lab ID 07685-037) should be changed to Q-8 (4.0-4.5).

Also, Client Sample ID Q-8 (5.0-6.0) (Lab ID 07685-038) should be changed to Q-8 (4.5-6.0).

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INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 12** **07685** CLIENT: JMC

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

Comments

COC: (COMPLETE) / INCOMPLETE

KEY

✓	**= YES/NA**
✗	**= NO**

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

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

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

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [signature] DATE 7/31/12

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 [signature] DATE 8.2.12

REV 03/2009

Laboratory Custody Chronicle

IAL Case No.

E12-07685

Client JMC Environmental Consultants

Project ARSYNCO

Received On 7/31/2012@16:45

Department: GC

			Prep. Date	Analyst	Analysis Date	Analyst
TCL PCB	07685-001	Soil	8/ 2/12	Archimede	8/15/12	Julia
"	-002	"	8/ 2/12	Archimede	8/15/12	Julia
"	-003	"	8/ 2/12	Archimede	8/15/12	Julia
"	-004	"	8/ 2/12	Archimede	8/15/12	Julia
"	-005	"	8/ 2/12	Archimede	8/15/12	Julia
"	-006	"	8/ 2/12	Archimede	8/15/12	Julia
"	-007	"	8/ 2/12	Archimede	8/15/12	Julia
"	-008	"	8/ 2/12	Archimede	8/15/12	Julia
"	-009	"	8/ 2/12	Archimede	8/15/12	Julia
"	-010	"	8/ 2/12	Archimede	8/15/12	Julia
"	-011	"	8/ 2/12	Archimede	8/15/12	Julia
"	-012	"	8/ 2/12	Archimede	8/15/12	Julia
"	-013	"	8/ 2/12	Archimede	8/15/12	Julia
"	-014	"	8/ 2/12	Archimede	8/15/12	Julia
"	-015	"	8/ 2/12	Archimede	8/15/12	Julia
"	-016	"	8/ 2/12	Archimede	8/15/12	Julia
"	-017	"	8/ 2/12	Archimede	8/15/12	Julia
"	-018	"	8/ 2/12	Archimede	8/15/12	Julia
"	-019	"	8/ 2/12	Archimede	8/15/12	Julia
"	-020	"	8/ 2/12	Archimede	8/15/12	Julia
"	-021	"	8/ 7/12	Archimede	8/15/12	Julia
"	-022	"	8/ 7/12	Archimede	8/15/12	Julia
"	-023	"	8/ 7/12	Archimede	8/15/12	Julia
"	-024	"	8/ 7/12	Archimede	8/15/12	Julia
"	-025	"	8/ 7/12	Archimede	8/15/12	Julia
"	-026	"	8/ 7/12	Archimede	8/15/12	Julia
"	-027	"	8/ 7/12	Archimede	8/15/12	Julia
"	-028	"	8/ 7/12	Archimede	8/15/12	Julia
"	-029	"	8/ 7/12	Archimede	8/15/12	Julia
"	-030	"	8/ 7/12	Archimede	8/15/12	Julia
"	-031	"	8/ 7/12	Archimede	8/15/12	Julia
"	-032	"	8/ 7/12	Archimede	8/15/12	Julia
"	-033	"	8/ 7/12	Archimede	8/15/12	Julia
"	-034	"	8/ 7/12	Archimede	8/15/12	Julia
"	-035	"	8/ 8/12	Archimede	8/15/12	Julia
"	-036	"	8/ 8/12	Archimede	8/15/12	Julia
"	-037	"	8/ 8/12	Archimede	8/21/12	Julia
"	-038	"	8/ 8/12	Archimede	8/15/12	Julia
"	-039	"	8/ 8/12	Archimede	8/16/12	Julia
"	-040	"	8/ 8/12	Archimede	8/16/12	Julia
"	-041	"	8/ 8/12	Archimede	8/16/12	Julia
"	-042	"	8/ 8/12	Archimede	8/16/12	Julia
"	-043	"	8/ 8/12	Archimede	8/17/12	Julia
"	-044	"	8/ 8/12	Archimede	8/16/12	Julia
"	-045	"	8/ 8/12	Archimede	8/16/12	Julia
"	-046	"	8/ 8/12	Archimede	8/16/12	Julia

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Laboratory Custody Chronicle

IAL Case No.

E12-07685

Client JMC Environmental Consultants

Project ARSYNCO

Received On 7/31/2012@16:45

"	-047	Aqueous	8/ 6/12	Archimede	8/ 8/12	Julia

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