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: **E12-07662**

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.

E12-07662

Client JMC Environmental Consultants

Project ARSYNCO

Received On 7/30/2012@17:08

Lab ID	Client Sample ID	Depth Top/Bottom	Sampling Time	Matrix	# of Container
07662-001	V-11 (0-2.0)	0/2	7/30/2012@09:20	Soil	1
07662-002	V-11 (2.0-3.0)	2/3	7/30/2012@09:21	Soil	1
07662-003	V-11 (3.0-4.0)	3/4	7/30/2012@09:22	Soil	1
07662-004	V-11 (4.0-6.0)	4/6	7/30/2012@09:23	Soil	1
07662-005	U-11 (0-2.0)	0/2	7/30/2012@09:48	Soil	1
07662-006	U-11 (2.0-3.0)	2/3	7/30/2012@09:49	Soil	1
07662-007	U-11 (3.0-4.0)	3/4	7/30/2012@09:50	Soil	1
07662-008	U-11 (4.0-4.5)	4/4.5	7/30/2012@09:53	Soil	1
07662-009	U-11 (4.5-6.0)	4.5/6	7/30/2012@09:59	Soil	1
07662-010	T-11 (0-2.0)	0/2	7/30/2012@10:14	Soil	1
07662-011	T-11 (2.0-4.0)	2/4	7/30/2012@10:15	Soil	1
07662-012	T-11 (4.0-4.75)	4/4.75	7/30/2012@10:16	Soil	1
07662-013	T-11 (4.75-6.0)	4.75/6	7/30/2012@10:17	Soil	1
07662-014	R-11 (0-2.0)	0/2	7/30/2012@10:40	Soil	1
07662-015	R-11 (2.0-4.0)	2/4	7/30/2012@10:40	Soil	1
07662-016	R-11 (4.0-5.25)	4/5.25	7/30/2012@10:41	Soil	1
07662-017	R-11 (5.25-6.0)	5.25/6	7/30/2012@10:42	Soil	1
07662-018	Q-11 (0-2.0)	0/2	7/30/2012@11:05	Soil	1
07662-019	Q-11 (2.0-4.0)	2/4	7/30/2012@11:05	Soil	1
07662-020	Q-11 (4.25-5.25)	4.25/5.25	7/30/2012@11:06	Soil	1
07662-021	Q-11 (5.25-6.0)	5.25/6	7/30/2012@11:08	Soil	1
07662-022	O-14 (0-2.0)	0/2	7/30/2012@11:45	Soil	1
07662-023	O-14 (2.0-2.5)	2/2.5	7/30/2012@11:46	Soil	1
07662-024	O-14 (2.5-4.0)	2.5/4	7/30/2012@11:47	Soil	1
07662-025	O-14 (4.0-6.0)	4/6	7/30/2012@11:48	Soil	1
07662-026	N-14 (0-2.0)	0/2	7/30/2012@12:18	Soil	1
07662-027	N-14 (2.0-3.0)	2/3	7/30/2012@12:19	Soil	1
07662-028	N-14 (3.0-4.0)	3/4	7/30/2012@12:20	Soil	1
07662-029	N-14 (4.0-6.0)	4/6	7/30/2012@12:20	Soil	1
07662-030	O-15 (0-2.0)	0/2	7/30/2012@13:13	Soil	1
07662-031	O-15 (2.0-4.0)	2/4	7/30/2012@13:14	Soil	1
07662-032	O-15 (4.0-6.0)	4/6	7/30/2012@13:15	Soil	1
07662-033	P-15 (0-2.0)	0/2	7/30/2012@13:36	Soil	1
07662-034	P-15 (2.0-4.0)	2/4	7/30/2012@13:36	Soil	1
07662-035	P-15 (4.0-6.0)	4/6	7/30/2012@13:37	Soil	1
07662-036	Q-12 (0-2.0)	0/2	7/30/2012@14:00	Soil	1
07662-037	Q-12 (2.0-4.0)	2/4	7/30/2012@14:00	Soil	1
07662-038	Q-12 (4.0-6.0)	4/6	7/30/2012@14:01	Soil	1
07662-039	Q-10 (0-2.0)	0/2	7/30/2012@14:55	Soil	1
07662-040	Q-10 (2.0-4.0)	2/4	7/30/2012@14:57	Soil	1
07662-041	Q-10 (4.0-4.75)	4/4.75	7/30/2012@14:57	Soil	1
07662-042	Q-10 (4.75-6.0)	4.75/6	7/30/2012@14:58	Soil	1
07662-043	FB-23	n/a	7/30/2012@15:10	Aqueous	2

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

INTEGRATED ANALYTICAL LABORATORIES, LLC.

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This report was finalized on August 20, 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-two (42) soil sample(s) from JMC Environmental Consultants (IAL SDG # E12-07662, Project: ARSYNCO) on July 30, 2012 for the analysis of:

(43) 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

8/20/12
Date

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

Lab Case Number: E12- 07662

		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: 07662 # 001, 005, 006, 007 surrogate diluted out	✓	
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 - 07662

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:

07662#008
#009

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

rev 01/12

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

Lab Case Number: E12- 07662

		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: 07662#026, 033, 035, 036, 037 surrogate diluted out	✓	
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

08-17-12
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 - 07662

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:

07662 # 037

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

rev 01/12

RESULTS SUMMARY REPORT

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E12-07662

Lab ID:	**07662-043**		
Client ID:	**FB-23**		
Matrix:	**Aqueous**		
Sampled Date	**7/30/12**		
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:	**07662-001**			**07662-002**			**07662-003**			**07662-004**	
Client ID:	**V-11 (0-2.0)**			**V-11 (2.0-3.0)**			**V-11 (3.0-4.0)**			**V-11 (4.0-6.0)**	
Depth:	**0/2**			**2/3**			**3/4**			**4/6**	
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**	
Sampled Date	**7/30/12**			**7/30/12**			**7/30/12**			**7/30/12**	
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		1.73	ND		0.188	ND		0.034	ND		0.019
Aroclor-1221	ND		1.73	ND		0.188	ND		0.034	ND		0.019
Aroclor-1232	ND		1.73	ND		0.188	ND		0.034	ND		0.019
Aroclor-1242	ND		1.73	ND		0.188	ND		0.034	ND		0.019
Aroclor-1248	258		1.73	41.1		0.188	ND		0.034	ND		0.019
Aroclor-1254	ND		1.73	ND		0.188	ND		0.034	ND		0.019
Aroclor-1260	ND		1.73	ND		0.188	ND		0.034	ND		0.019
Aroclor-1262	ND		1.73	ND		0.188	ND		0.034	ND		0.019
Aroclor-1268	ND		1.73	ND		0.188	ND		0.034	ND		0.019
PCBs	258		1.73	41.1		0.188	ND		0.034	ND		0.019

Lab ID:	**07662-005**			**07662-006**			**07662-007**			**07662-008**	
Client ID:	**U-11 (0-2.0)**			**U-11 (2.0-3.0)**			**U-11 (3.0-4.0)**			**U-11 (4.0-4.5)**	
Depth:	**0/2**			**2/3**			**3/4**			**4/4.5**	
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**	
Sampled Date	**7/30/12**			**7/30/12**			**7/30/12**			**7/30/12**	
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		1.83	ND		2.08	ND		2.52	ND		0.017
Aroclor-1221	ND		1.83	ND		2.08	ND		2.52	ND		0.017
Aroclor-1232	ND		1.83	ND		2.08	ND		2.52	ND		0.017
Aroclor-1242	ND		1.83	ND		2.08	ND		2.52	ND		0.017
Aroclor-1248	54.3		1.83	115		2.08	248		2.52	1.78		0.017
Aroclor-1254	ND		1.83	ND		2.08	ND		2.52	ND		0.017
Aroclor-1260	ND		1.83	ND		2.08	ND		2.52	ND		0.017
Aroclor-1262	ND		1.83	ND		2.08	ND		2.52	ND		0.017
Aroclor-1268	ND		1.83	ND		2.08	ND		2.52	ND		0.017
PCBs	54.3		1.83	115		2.08	248		2.52	1.78		0.017

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E12-07662

Lab ID:	07662-009			07662-010			07662-011			07662-012		
Client ID:	U-11 (4.5-6.0)			T-11 (0-2.0)			T-11 (2.0-4.0)			T-11 (4.0-4.75)		
Depth:	4.5/6			0/2			2/4			4/4.75		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/30/12			7/30/12			7/30/12			7/30/12		
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		0.160	ND		0.017	ND		0.042
Aroclor-1221	ND		0.019	ND		0.160	ND		0.017	ND		0.042
Aroclor-1232	ND		0.019	ND		0.160	ND		0.017	ND		0.042
Aroclor-1242	ND		0.019	ND		0.160	ND		0.017	ND		0.042
Aroclor-1248	0.979		0.019	8.10		0.160	ND		0.017	ND		0.042
Aroclor-1254	ND		0.019	ND		0.160	ND		0.017	ND		0.042
Aroclor-1260	ND		0.019	ND		0.160	ND		0.017	ND		0.042
Aroclor-1262	ND		0.019	ND		0.160	ND		0.017	ND		0.042
Aroclor-1268	ND		0.019	ND		0.160	ND		0.017	ND		0.042
PCBs	0.979		0.019	8.10		0.160	ND		0.017	ND		0.042

Lab ID:	07662-013			07662-014			07662-015			07662-016		
Client ID:	T-11 (4.75-6.0)			R-11 (0-2.0)			R-11 (2.0-4.0)			R-11 (4.0-5.25)		
Depth:	4.75/6			0/2			2/4			4/5.25		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/30/12			7/30/12			7/30/12			7/30/12		
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		0.016	ND		0.179	ND		0.041
Aroclor-1221	ND		0.019	ND		0.016	ND		0.179	ND		0.041
Aroclor-1232	ND		0.019	ND		0.016	ND		0.179	ND		0.041
Aroclor-1242	ND		0.019	ND		0.016	56.7		0.179	ND		0.041
Aroclor-1248	ND		0.019	5.80		0.016	ND		0.179	ND		0.041
Aroclor-1254	ND		0.019	ND		0.016	ND		0.179	ND		0.041
Aroclor-1260	ND		0.019	ND		0.016	ND		0.179	ND		0.041
Aroclor-1262	ND		0.019	ND		0.016	ND		0.179	ND		0.041
Aroclor-1268	ND		0.019	ND		0.016	ND		0.179	ND		0.041
PCBs	ND		0.019	5.80		0.016	56.7		0.179	ND		0.041

Lab ID:	07662-017			07662-018			07662-019			07662-020		
Client ID:	R-11 (5.25-6.0)			Q-11 (0-2.0)			Q-11 (2.0-4.0)			Q-11 (4.25-5.25)		
Depth:	5.25/6			0/2			2/4			4.25/5.25		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/30/12			7/30/12			7/30/12			7/30/12		
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		0.016	ND		0.043
Aroclor-1221	ND		0.017	ND		0.018	ND		0.016	ND		0.043
Aroclor-1232	ND		0.017	ND		0.018	ND		0.016	ND		0.043
Aroclor-1242	ND		0.017	ND		0.018	ND		0.016	ND		0.043
Aroclor-1248	ND		0.017	7.48		0.018	ND		0.016	ND		0.043
Aroclor-1254	ND		0.017	ND		0.018	ND		0.016	ND		0.043
Aroclor-1260	ND		0.017	ND		0.018	ND		0.016	ND		0.043
Aroclor-1262	ND		0.017	ND		0.018	ND		0.016	ND		0.043
Aroclor-1268	ND		0.017	ND		0.018	ND		0.016	ND		0.043
PCBs	ND		0.017	7.48		0.018	ND		0.016	ND		0.043

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E12-07662

Lab ID:	07662-021			07662-022			07662-023			07662-024		
Client ID:	Q-11 (5.25-6.0)			O-14 (0-2.0)			O-14 (2.0-2.5)			O-14 (2.5-4.0)		
Depth:	5.25/6			0/2			2/2.5			2.5/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/30/12			7/30/12			7/30/12			7/30/12		
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		0.043	ND		0.027	ND		0.048
Aroclor-1221	ND		0.019	ND		0.043	ND		0.027	ND		0.048
Aroclor-1232	ND		0.019	ND		0.043	ND		0.027	ND		0.048
Aroclor-1242	ND		0.019	ND		0.043	ND		0.027	ND		0.048
Aroclor-1248	ND		0.019	14.2		0.043	0.296		0.027	ND		0.048
Aroclor-1254	ND		0.019	ND		0.043	ND		0.027	ND		0.048
Aroclor-1260	ND		0.019	ND		0.043	ND		0.027	ND		0.048
Aroclor-1262	ND		0.019	ND		0.043	ND		0.027	ND		0.048
Aroclor-1268	ND		0.019	ND		0.043	ND		0.027	ND		0.048
PCBs	ND		0.019	14.2		0.043	0.296		0.027	ND		0.048

Lab ID:	07662-025			07662-026			07662-027			07662-028		
Client ID:	O-14 (4.0-6.0)			N-14 (0-2.0)			N-14 (2.0-3.0)			N-14 (3.0-4.0)		
Depth:	4/6			0/2			2/3			3/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/30/12			7/30/12			7/30/12			7/30/12		
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		2.13	ND		0.017	ND		0.046
Aroclor-1221	ND		0.018	ND		2.13	ND		0.017	ND		0.046
Aroclor-1232	ND		0.018	ND		2.13	ND		0.017	ND		0.046
Aroclor-1242	ND		0.018	ND		2.13	ND		0.017	ND		0.046
Aroclor-1248	0.515		0.018	925		2.13	3.26		0.017	1.36		0.046
Aroclor-1254	ND		0.018	ND		2.13	ND		0.017	ND		0.046
Aroclor-1260	ND		0.018	ND		2.13	ND		0.017	ND		0.046
Aroclor-1262	ND		0.018	ND		2.13	ND		0.017	ND		0.046
Aroclor-1268	ND		0.018	ND		2.13	ND		0.017	ND		0.046
PCBs	0.515		0.018	925		2.13	3.26		0.017	1.36		0.046

Lab ID:	07662-029			07662-030			07662-031			07662-032		
Client ID:	N-14 (4.0-6.0)			O-15 (0-2.0)			O-15 (2.0-4.0)			O-15 (4.0-6.0)		
Depth:	4/6			0/2			2/4			4/6		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/30/12			7/30/12			7/30/12			7/30/12		
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		0.024	ND		0.020
Aroclor-1221	ND		0.017	ND		0.018	ND		0.024	ND		0.020
Aroclor-1232	ND		0.017	ND		0.018	ND		0.024	ND		0.020
Aroclor-1242	ND		0.017	ND		0.018	ND		0.024	ND		0.020
Aroclor-1248	ND		0.017	ND		0.018	ND		0.024	0.042	J	0.020
Aroclor-1254	ND		0.017	ND		0.018	ND		0.024	ND		0.020
Aroclor-1260	ND		0.017	ND		0.018	ND		0.024	ND		0.020
Aroclor-1262	ND		0.017	ND		0.018	ND		0.024	ND		0.020
Aroclor-1268	ND		0.017	ND		0.018	ND		0.024	ND		0.020
PCBs	ND		0.017	ND		0.018	ND		0.024	0.042	J	0.020

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

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E12-07662

Lab ID:	07662-033			07662-034			07662-035			07662-036		
Client ID:	P-15 (0-2.0)			P-15 (2.0-4.0)			P-15 (4.0-6.0)			Q-12 (0-2.0)		
Depth:	0/2			2/4			4/6			0/2		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/30/12			7/30/12			7/30/12			7/30/12		
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		2.16	ND		0.022	ND		18.6	ND		17.7
Aroclor-1221	ND		2.16	ND		0.022	ND		18.6	ND		17.7
Aroclor-1232	ND		2.16	ND		0.022	ND		18.6	ND		17.7
Aroclor-1242	ND		2.16	ND		0.022	ND		18.6	ND		17.7
Aroclor-1248	18.2		2.16	0.700		0.022	3060		18.6	2810		17.7
Aroclor-1254	ND		2.16	ND		0.022	ND		18.6	ND		17.7
Aroclor-1260	ND		2.16	ND		0.022	ND		18.6	ND		17.7
Aroclor-1262	ND		2.16	ND		0.022	ND		18.6	ND		17.7
Aroclor-1268	ND		2.16	ND		0.022	ND		18.6	ND		17.7
PCBs	18.2		2.16	0.700		0.022	3060		18.6	2810		17.7

Lab ID:	07662-037			07662-038			07662-039			07662-040		
Client ID:	Q-12 (2.0-4.0)			Q-12 (4.0-6.0)			Q-10 (0-2.0)			Q-10 (2.0-4.0)		
Depth:	2/4			4/6			0/2			2/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/30/12			7/30/12			7/30/12			7/30/12		
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		1.74	ND		0.191	ND		0.020	ND		0.017
Aroclor-1221	ND		1.74	ND		0.191	ND		0.020	ND		0.017
Aroclor-1232	ND		1.74	ND		0.191	ND		0.020	ND		0.017
Aroclor-1242	442		1.74	86.6		0.191	ND		0.020	ND		0.017
Aroclor-1248	ND		1.74	ND		0.191	1.52		0.020	0.052		0.017
Aroclor-1254	ND		1.74	ND		0.191	ND		0.020	ND		0.017
Aroclor-1260	ND		1.74	ND		0.191	ND		0.020	ND		0.017
Aroclor-1262	ND		1.74	ND		0.191	ND		0.020	ND		0.017
Aroclor-1268	ND		1.74	ND		0.191	ND		0.020	ND		0.017
PCBs	442		1.74	86.6		0.191	1.52		0.020	0.052		0.017

Lab ID:	07662-041			07662-042		
Client ID:	Q-10 (4.0-4.75)			Q-10 (4.75-6.0)		
Depth:	4/4.75			4.75/6		
Matrix:	Soil			Soil		
Sampled Date	7/30/12			7/30/12		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Aroclor-1016	ND		0.016	ND		0.018
Aroclor-1221	ND		0.016	ND		0.018
Aroclor-1232	ND		0.016	ND		0.018
Aroclor-1242	ND		0.016	ND		0.018
Aroclor-1248	0.068		0.016	0.042	J	0.018
Aroclor-1254	ND		0.016	ND		0.018
Aroclor-1260	ND		0.016	ND		0.018
Aroclor-1262	ND		0.016	ND		0.018
Aroclor-1268	ND		0.016	ND		0.018
PCBs	0.068		0.016	0.042	J	0.018

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

ANALYTICAL RESULTS

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-001
Client ID: V-11_(0-2.
Date Received: 07/30/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2949.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.42g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 14.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		4.34	1.73
Aroclor-1221	ND		4.34	1.73
Aroclor-1232	ND		4.34	1.73
Aroclor-1242	ND		4.34	1.73
Aroclor-1248	258		4.34	1.73
Aroclor-1254	ND		4.34	1.73
Aroclor-1260	ND		4.34	1.73
Aroclor-1262	ND		4.34	1.73
Aroclor-1268	ND		4.34	1.73
PCBs	258		4.34	1.73

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-002
Client ID: V-11_(2.0-
Date Received: 07/30/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2950.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.54g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 23.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.471	0.188
Aroclor-1221	ND		0.471	0.188
Aroclor-1232	ND		0.471	0.188
Aroclor-1242	ND		0.471	0.188
Aroclor-1248	41.1		0.471	0.188
Aroclor-1254	ND		0.471	0.188
Aroclor-1260	ND		0.471	0.188
Aroclor-1262	ND		0.471	0.188
Aroclor-1268	ND		0.471	0.188
PCBs	41.1		0.471	0.188

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-003
Client ID: V-11_(3.0-
Date Received: 07/30/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2951.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.47g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 57.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.086	0.034
Aroclor-1221	ND		0.086	0.034
Aroclor-1232	ND		0.086	0.034
Aroclor-1242	ND		0.086	0.034
Aroclor-1248	ND		0.086	0.034
Aroclor-1254	ND		0.086	0.034
Aroclor-1260	ND		0.086	0.034
Aroclor-1262	ND		0.086	0.034
Aroclor-1268	ND		0.086	0.034
PCBs	ND		0.086	0.034

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-004
Client ID: V-11_(4.0-
Date Received: 07/30/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2952.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.26g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.8

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: 07662-005
Client ID: U-11_(0-2.
Date Received: 07/30/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2953.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.35g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 18.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		4.56	1.83
Aroclor-1221	ND		4.56	1.83
Aroclor-1232	ND		4.56	1.83
Aroclor-1242	ND		4.56	1.83
Aroclor-1248	54.3		4.56	1.83
Aroclor-1254	ND		4.56	1.83
Aroclor-1260	ND		4.56	1.83
Aroclor-1262	ND		4.56	1.83
Aroclor-1268	ND		4.56	1.83
PCBs	54.3		4.56	1.83

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-006
Client ID: U-11_(2.0-
Date Received: 07/30/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2954.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.42g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 29.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		5.20	2.08
Aroclor-1221	ND		5.20	2.08
Aroclor-1232	ND		5.20	2.08
Aroclor-1242	ND		5.20	2.08
Aroclor-1248	115		5.20	2.08
Aroclor-1254	ND		5.20	2.08
Aroclor-1260	ND		5.20	2.08
Aroclor-1262	ND		5.20	2.08
Aroclor-1268	ND		5.20	2.08
PCBs	115		5.20	2.08

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-007
Client ID: U-11_(3.0-
Date Received: 07/30/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2955.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.73g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 44.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		6.31	2.52
Aroclor-1221	ND		6.31	2.52
Aroclor-1232	ND		6.31	2.52
Aroclor-1242	ND		6.31	2.52
Aroclor-1248	248		6.31	2.52
Aroclor-1254	ND		6.31	2.52
Aroclor-1260	ND		6.31	2.52
Aroclor-1262	ND		6.31	2.52
Aroclor-1268	ND		6.31	2.52
PCBs	248		6.31	2.52

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-008
Client ID: U-11_(4.0-
Date Received: 07/30/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2956.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.34g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 11.3

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	1.78		0.042	0.017
Aroclor-1254	ND		0.042	0.017
Aroclor-1260	ND		0.042	0.017
Aroclor-1262	ND		0.042	0.017
Aroclor-1268	ND		0.042	0.017
PCBs	1.78		0.042	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-009
Client ID: U-11_(4.5-
Date Received: 07/30/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2957.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.55g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 22.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.046	0.019
Aroclor-1221	ND		0.046	0.019
Aroclor-1232	ND		0.046	0.019
Aroclor-1242	ND		0.046	0.019
Aroclor-1248	0.979		0.046	0.019
Aroclor-1254	ND		0.046	0.019
Aroclor-1260	ND		0.046	0.019
Aroclor-1262	ND		0.046	0.019
Aroclor-1268	ND		0.046	0.019
PCBs	0.979		0.046	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-010
Client ID: T-11_(0-2.
Date Received: 07/30/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2958.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.76g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 13.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.401	0.160
Aroclor-1221	ND		0.401	0.160
Aroclor-1232	ND		0.401	0.160
Aroclor-1242	ND		0.401	0.160
Aroclor-1248	8.10		0.401	0.160
Aroclor-1254	ND		0.401	0.160
Aroclor-1260	ND		0.401	0.160
Aroclor-1262	ND		0.401	0.160
Aroclor-1268	ND		0.401	0.160
PCBs	8.10		0.401	0.160

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-011
Client ID: T-11_(2.0-
Date Received: 07/30/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2959.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.51g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 14.6

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: 07662-012
Client ID: T-11_(4.0-
Date Received: 07/30/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2960.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.42g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 64.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.105	0.042
Aroclor-1221	ND		0.105	0.042
Aroclor-1232	ND		0.105	0.042
Aroclor-1242	ND		0.105	0.042
Aroclor-1248	ND		0.105	0.042
Aroclor-1254	ND		0.105	0.042
Aroclor-1260	ND		0.105	0.042
Aroclor-1262	ND		0.105	0.042
Aroclor-1268	ND		0.105	0.042
PCBs	ND		0.105	0.042

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-013
Client ID: T-11_(4.75
Date Received: 07/30/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2961.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.43g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 22.2

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: 07662-014
Client ID: R-11_(0-2.
Date Received: 07/30/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2962.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.77g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.041	0.016
Aroclor-1221	ND		0.041	0.016
Aroclor-1232	ND		0.041	0.016
Aroclor-1242	ND		0.041	0.016
Aroclor-1248	5.80		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	5.80		0.041	0.016

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-015
Client ID: R-11_(2.0-
Date Received: 07/30/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R3002.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.28g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 15.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.448	0.179
Aroclor-1221	ND		0.448	0.179
Aroclor-1232	ND		0.448	0.179
Aroclor-1242	56.7		0.448	0.179
Aroclor-1248	ND		0.448	0.179
Aroclor-1254	ND		0.448	0.179
Aroclor-1260	ND		0.448	0.179
Aroclor-1262	ND		0.448	0.179
Aroclor-1268	ND		0.448	0.179
PCBs	56.7		0.448	0.179

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-016
Client ID: R-11_(4.0-
Date Received: 07/30/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2964.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.45g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 64.0

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-017
Client ID: R-11_(5.25
Date Received: 07/30/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2965.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.78g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.8

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: 07662-018
Client ID: Q-11_(0-2.
Date Received: 07/30/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2966.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.28g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 13.4

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	7.48		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	7.48		0.044	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-019
Client ID: Q-11_(2.0-
Date Received: 07/30/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2967.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.43g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 10.0

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-020
Client ID: Q-11_(4.25
Date Received: 07/30/2012
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2968.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.36g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 65.5

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: 07662-021
Client ID: Q-11_(5.25
Date Received: 07/30/2012
Date Extracted: 08/06/2012
Date Analyzed: 08/14/2012
Data file: R2878.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.41g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.9

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-022
Client ID: O-14_(0-2.
Date Received: 07/30/2012
Date Extracted: 08/06/2012
Date Analyzed: 08/14/2012
Data file: R2932.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.07g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 2
% Moisture: 25.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.106	0.043
Aroclor-1221	ND		0.106	0.043
Aroclor-1232	ND		0.106	0.043
Aroclor-1242	ND		0.106	0.043
Aroclor-1248	14.2		0.106	0.043
Aroclor-1254	ND		0.106	0.043
Aroclor-1260	ND		0.106	0.043
Aroclor-1262	ND		0.106	0.043
Aroclor-1268	ND		0.106	0.043
PCBs	14.2		0.106	0.043

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-023
Client ID: O-14_(2.0-
Date Received: 07/30/2012
Date Extracted: 08/06/2012
Date Analyzed: 08/14/2012
Data file: R2880.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.56g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 46.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.068	0.027
Aroclor-1221	ND		0.068	0.027
Aroclor-1232	ND		0.068	0.027
Aroclor-1242	ND		0.068	0.027
Aroclor-1248	0.296		0.068	0.027
Aroclor-1254	ND		0.068	0.027
Aroclor-1260	ND		0.068	0.027
Aroclor-1262	ND		0.068	0.027
Aroclor-1268	ND		0.068	0.027
PCBs	0.296		0.068	0.027

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-024
Client ID: O-14_(2.5-
Date Received: 07/30/2012
Date Extracted: 08/06/2012
Date Analyzed: 08/14/2012
Data file: R2881.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.52g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 70.0

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-025
Client ID: O-14_(4.0-
Date Received: 07/30/2012
Date Extracted: 08/06/2012
Date Analyzed: 08/14/2012
Data file: R2882.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.45g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.8

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	0.515		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	0.515		0.046	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-026
Client ID: N-14_(0-2.
Date Received: 07/30/2012
Date Extracted: 08/06/2012
Date Analyzed: 08/14/2012
Data file: R2883.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.33g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 29.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		5.33	2.13
Aroclor-1221	ND		5.33	2.13
Aroclor-1232	ND		5.33	2.13
Aroclor-1242	ND		5.33	2.13
Aroclor-1248	925		5.33	2.13
Aroclor-1254	ND		5.33	2.13
Aroclor-1260	ND		5.33	2.13
Aroclor-1262	ND		5.33	2.13
Aroclor-1268	ND		5.33	2.13
PCBs	925		5.33	2.13

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-027
Client ID: N-14_(2.0-
Date Received: 07/30/2012
Date Extracted: 08/06/2012
Date Analyzed: 08/14/2012
Data file: R2884.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.62g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.5

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	3.26		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	3.26		0.043	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-028
Client ID: N-14_(3.0-
Date Received: 07/30/2012
Date Extracted: 08/06/2012
Date Analyzed: 08/14/2012
Data file: R2885.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.32g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 67.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.115	0.046
Aroclor-1221	ND		0.115	0.046
Aroclor-1232	ND		0.115	0.046
Aroclor-1242	ND		0.115	0.046
Aroclor-1248	1.36		0.115	0.046
Aroclor-1254	ND		0.115	0.046
Aroclor-1260	ND		0.115	0.046
Aroclor-1262	ND		0.115	0.046
Aroclor-1268	ND		0.115	0.046
PCBs	1.36		0.115	0.046

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-029
Client ID: N-14_(4.0-
Date Received: 07/30/2012
Date Extracted: 08/06/2012
Date Analyzed: 08/14/2012
Data file: R2886.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.81g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.3

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-030
Client ID: O-15_(0-2.
Date Received: 07/30/2012
Date Extracted: 08/06/2012
Date Analyzed: 08/14/2012
Data file: R2887.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.37g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.045	0.018
Aroclor-1221	ND		0.045	0.018
Aroclor-1232	ND		0.045	0.018
Aroclor-1242	ND		0.045	0.018
Aroclor-1248	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: 07662-031
Client ID: O-15_(2.0-
Date Received: 07/30/2012
Date Extracted: 08/06/2012
Date Analyzed: 08/14/2012
Data file: R2888.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.19g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 35.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.059	0.024
Aroclor-1221	ND		0.059	0.024
Aroclor-1232	ND		0.059	0.024
Aroclor-1242	ND		0.059	0.024
Aroclor-1248	ND		0.059	0.024
Aroclor-1254	ND		0.059	0.024
Aroclor-1260	ND		0.059	0.024
Aroclor-1262	ND		0.059	0.024
Aroclor-1268	ND		0.059	0.024
PCBs	ND		0.059	0.024

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-032
Client ID: O-15_(4.0-
Date Received: 07/30/2012
Date Extracted: 08/06/2012
Date Analyzed: 08/14/2012
Data file: R2889.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.32g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 24.3

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	0.042	J	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	0.042	J	0.050	0.020

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-033
Client ID: P-15_(0-2.
Date Received: 07/30/2012
Date Extracted: 08/06/2012
Date Analyzed: 08/14/2012
Data file: R2890.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.80g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 36.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		5.40	2.16
Aroclor-1221	ND		5.40	2.16
Aroclor-1232	ND		5.40	2.16
Aroclor-1242	ND		5.40	2.16
Aroclor-1248	18.2		5.40	2.16
Aroclor-1254	ND		5.40	2.16
Aroclor-1260	ND		5.40	2.16
Aroclor-1262	ND		5.40	2.16
Aroclor-1268	ND		5.40	2.16
PCBs	18.2		5.40	2.16

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-034
Client ID: P-15_(2.0-
Date Received: 07/30/2012
Date Extracted: 08/06/2012
Date Analyzed: 08/14/2012
Data file: R2891.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.30g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 31.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.055	0.022
Aroclor-1221	ND		0.055	0.022
Aroclor-1232	ND		0.055	0.022
Aroclor-1242	ND		0.055	0.022
Aroclor-1248	0.700		0.055	0.022
Aroclor-1254	ND		0.055	0.022
Aroclor-1260	ND		0.055	0.022
Aroclor-1262	ND		0.055	0.022
Aroclor-1268	ND		0.055	0.022
PCBs	0.700		0.055	0.022

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-035
Client ID: P-15_(4.0-
Date Received: 07/30/2012
Date Extracted: 08/06/2012
Date Analyzed: 08/14/2012
Data file: R2933.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.45g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1000
% Moisture: 20.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		46.4	18.6
Aroclor-1221	ND		46.4	18.6
Aroclor-1232	ND		46.4	18.6
Aroclor-1242	ND		46.4	18.6
Aroclor-1248	3060		46.4	18.6
Aroclor-1254	ND		46.4	18.6
Aroclor-1260	ND		46.4	18.6
Aroclor-1262	ND		46.4	18.6
Aroclor-1268	ND		46.4	18.6
PCBs	3060		46.4	18.6

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-036
Client ID: Q-12_(0-2.
Date Received: 07/30/2012
Date Extracted: 08/06/2012
Date Analyzed: 08/14/2012
Data file: R2934.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.51g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1000
% Moisture: 17.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		44.2	17.7
Aroclor-1221	ND		44.2	17.7
Aroclor-1232	ND		44.2	17.7
Aroclor-1242	ND		44.2	17.7
Aroclor-1248	2810		44.2	17.7
Aroclor-1254	ND		44.2	17.7
Aroclor-1260	ND		44.2	17.7
Aroclor-1262	ND		44.2	17.7
Aroclor-1268	ND		44.2	17.7
PCBs	2810		44.2	17.7

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-037
Client ID: Q-12_(2.0-
Date Received: 07/30/2012
Date Extracted: 08/06/2012
Date Analyzed: 08/14/2012
Data file: R2935.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.55g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 17.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		4.34	1.74
Aroclor-1221	ND		4.34	1.74
Aroclor-1232	ND		4.34	1.74
Aroclor-1242	442		4.34	1.74
Aroclor-1248	ND		4.34	1.74
Aroclor-1254	ND		4.34	1.74
Aroclor-1260	ND		4.34	1.74
Aroclor-1262	ND		4.34	1.74
Aroclor-1268	ND		4.34	1.74
PCBs	442		4.34	1.74

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-038
Client ID: Q-12_(4.0-
Date Received: 07/30/2012
Date Extracted: 08/07/2012
Date Analyzed: 08/15/2012
Data file: Y8498.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.09g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 17.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.479	0.191
Aroclor-1221	ND		0.479	0.191
Aroclor-1232	ND		0.479	0.191
Aroclor-1242	86.6		0.479	0.191
Aroclor-1248	ND		0.479	0.191
Aroclor-1254	ND		0.479	0.191
Aroclor-1260	ND		0.479	0.191
Aroclor-1262	ND		0.479	0.191
Aroclor-1268	ND		0.479	0.191
PCBs	86.6		0.479	0.191

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-039
Client ID: Q-10_(0-2.
Date Received: 07/30/2012
Date Extracted: 08/07/2012
Date Analyzed: 08/15/2012
Data file: Y8472.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.01g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 21.5

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	1.52		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	1.52		0.051	0.020

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-040
Client ID: Q-10_(2.0-
Date Received: 07/30/2012
Date Extracted: 08/07/2012
Date Analyzed: 08/15/2012
Data file: Y8473.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.16g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 10.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.043	0.017
Aroclor-1221	ND		0.043	0.017
Aroclor-1232	ND		0.043	0.017
Aroclor-1242	ND		0.043	0.017
Aroclor-1248	0.052		0.043	0.017
Aroclor-1254	ND		0.043	0.017
Aroclor-1260	ND		0.043	0.017
Aroclor-1262	ND		0.043	0.017
Aroclor-1268	ND		0.043	0.017
PCBs	0.052		0.043	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-041
Client ID: Q-10_(4.0-
Date Received: 07/30/2012
Date Extracted: 08/07/2012
Date Analyzed: 08/15/2012
Data file: Y8474.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.63g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 9.60

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.039	0.016
Aroclor-1221	ND		0.039	0.016
Aroclor-1232	ND		0.039	0.016
Aroclor-1242	ND		0.039	0.016
Aroclor-1248	0.068		0.039	0.016
Aroclor-1254	ND		0.039	0.016
Aroclor-1260	ND		0.039	0.016
Aroclor-1262	ND		0.039	0.016
Aroclor-1268	ND		0.039	0.016
PCBs	0.068		0.039	0.016

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-042
Client ID: Q-10_(4.75
Date Received: 07/30/2012
Date Extracted: 08/07/2012
Date Analyzed: 08/15/2012
Data file: Y8475.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.59g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.0

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	0.042	J	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	0.042	J	0.045	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07662-043
Client ID: FB-23
Date Received: 07/30/2012
Date Extracted: 08/06/2012
Date Analyzed: 08/08/2012
Data file: R2592.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: 08/14/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS120806-04	SOIL	124		92		115		93	
K-34_(2.0-	07543-057	SOIL	113		92		110		92	
W04	07658-004	SOIL	73		51		83		53	
HLR-907-07	07639-001	SOLID	85		77		83		78	
Q-11_(5.25	07662-021	SOIL	111		75		107		74	
O-14_(2.0-	07662-023	SOIL	76		93		86		91	
O-14_(2.5-	07662-024	SOIL	122		98		128		93	
O-14_(4.0-	07662-025	SOIL	106		84		104		78	
N-14_(0-2.	07662-026	SOIL	0	D	0	D	0	D	0	D
N-14_(2.0-	07662-027	SOIL	103		94		100		77	
N-14_(3.0-	07662-028	SOIL	128		115		126		97	
N-14_(4.0-	07662-029	SOIL	113		96		102		77	
O-15_(0-2.	07662-030	SOIL	101		105		102		75	
O-15_(2.0-	07662-031	SOIL	66		105		98		84	
O-15_(4.0-	07662-032	SOIL	106		102		104		78	
P-15_(0-2.	07662-033	SOIL	0	D	0	D	0	D	0	D
P-15_(2.0-	07662-034	SOIL	105		93		102		79	
PCB	07639-001MS	SOIL	78		87		71		78	
PCB	07639-001MSD	SOIL	81		87		72		75	
PCB	LCSS120806-04	SOIL	113		90		107		82	
O-14_(0-2.	07662-022	SOIL	83		75		99		80	
P-15_(4.0-	07662-035	SOIL	0	D	0	D	0	D	0	D
Q-12_(0-2.	07662-036	SOIL	0	D	0	D	0	D	0	D
Q-12_(2.0-	07662-037	SOIL	0	D	0	D	0	D	0	D

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	BLKS120802-10	SOIL	139		97		126		75	
V-11_(0-2.	07662-001	SOIL	0	D	0	D	0	D	0	D
V-11_(2.0-	07662-002	SOIL	66		89		113		105	
V-11_(3.0-	07662-003	SOIL	126		112		119		78	
V-11_(4.0-	07662-004	SOIL	103		96		114		73	
U-11_(0-2.	07662-005	SOIL	0	D	0	D	0	D	0	D
U-11_(2.0-	07662-006	SOIL	0	D	0	D	0	D	0	D
U-11_(3.0-	07662-007	SOIL	0	D	0	D	0	D	0	D
U-11_(4.0-	07662-008	SOIL	60		84		96		69	
U-11_(4.5-	07662-009	SOIL	58		87		89		68	
T-11_(0-2.	07662-010	SOIL	126		107		146		90	
T-11_(2.0-	07662-011	SOIL	52		91		80		84	
T-11_(4.0-	07662-012	SOIL	87		89		101		84	
T-11_(4.75	07662-013	SOIL	93		69		97		64	
R-11_(0-2.	07662-014	SOIL	89		73		96		60	
R-11_(4.0-	07662-016	SOIL	109		82		114		77	
R-11_(5.25	07662-017	SOIL	101		66		104		63	
Q-11_(0-2.	07662-018	SOIL	75		64		90		61	
Q-11_(2.0-	07662-019	SOIL	95		58		97		59	
Q-11_(4.25	07662-020	SOIL	102		70		110		68	
PCB	07662-009MS	SOIL	59		69		87		69	
PCB	07662-009MSD	SOIL	57		74		87		67	
PCB	LCSS120802-10	SOIL	111		68		107		63	
R-11_(2.0-	07662-015	SOIL	74		101		107		82	

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

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: LCSS120806-04

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	457.0	91	40 - 140
Aroclor-1260	500.0	0.0	503.3	101	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: LCSS120802-10

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	466.5	93	40 - 140
Aroclor-1260	500.0	0.0	497.6	100	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

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: 07639-001

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	432.5	87	40 - 140
Aroclor-1260	500.0	0.0	501.2	100	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	# MSD % REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	435.8	87	0	50	40 - 140
Aroclor-1260	0.0	504.4	101	1	50	40 - 140

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

RPD: __0___ out of __2__ outside limits

Spike Recovery: __0___ out of __4__ outside limits

SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 07662-009

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	679.0	136	40 - 140
Aroclor-1260	500.0	0.0	461.9	92	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	656.5	131	4	50	40 - 140
Aroclor-1260	0.0	430.2	86	7	50	40 - 140

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

RPD: __0___ out of __2__ outside limits

Spike Recovery: __0___ out of __4__ outside limits

SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 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

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: R2874.D

Instrument ID: GC-R

Date Extracted: 08/06/2012

Matrix: SOIL

Date Analyzed: 08/14/2012

Time Analyzed: 03:20

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
K-34_(2.0-	07543-057	08/14/2012	03:38
W04	07658-004	08/14/2012	03:55
HLR-907-07	07639-001	08/14/2012	04:12
Q-11_(5.25	07662-021	08/14/2012	04:30
O-14_(2.0-	07662-023	08/14/2012	05:05
O-14_(2.5-	07662-024	08/14/2012	05:22
O-14_(4.0-	07662-025	08/14/2012	05:40
N-14_(0-2.	07662-026	08/14/2012	05:57
N-14_(2.0-	07662-027	08/14/2012	06:15
N-14_(3.0-	07662-028	08/14/2012	06:32
N-14_(4.0-	07662-029	08/14/2012	06:50
O-15_(0-2.	07662-030	08/14/2012	07:07
O-15_(2.0-	07662-031	08/14/2012	07:25
O-15_(4.0-	07662-032	08/14/2012	07:42
P-15_(0-2.	07662-033	08/14/2012	08:00
P-15_(2.0-	07662-034	08/14/2012	08:17
PCB	07639-001MS	08/14/2012	09:27
PCB	07639-001MSD	08/14/2012	09:44
PCB	LCSS120806-04	08/14/2012	10:02
O-14_(0-2.	07662-022	08/14/2012	21:04
P-15_(4.0-	07662-035	08/14/2012	21:22
Q-12_(0-2.	07662-036	08/14/2012	21:39
Q-12_(2.0-	07662-037	08/14/2012	21:56

PCB METHOD BLANK SUMMARY

Lab File ID: R2948.D | Instrument ID: GC-R

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

Date Analyzed: 08/15/2012 | Time Analyzed: 02:53

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
V-11_(0-2.	07662-001	08/15/2012	03:10
V-11_(2.0-	07662-002	08/15/2012	03:28
V-11_(3.0-	07662-003	08/15/2012	03:45
V-11_(4.0-	07662-004	08/15/2012	04:03
U-11_(0-2.	07662-005	08/15/2012	04:20
U-11_(2.0-	07662-006	08/15/2012	04:37
U-11_(3.0-	07662-007	08/15/2012	04:55
U-11_(4.0-	07662-008	08/15/2012	05:12
U-11_(4.5-	07662-009	08/15/2012	05:30
T-11_(0-2.	07662-010	08/15/2012	05:47
T-11_(2.0-	07662-011	08/15/2012	06:05
T-11_(4.0-	07662-012	08/15/2012	06:22
T-11_(4.75	07662-013	08/15/2012	06:40
R-11_(0-2.	07662-014	08/15/2012	06:57
R-11_(4.0-	07662-016	08/15/2012	07:32
R-11_(5.25	07662-017	08/15/2012	07:50
Q-11_(0-2.	07662-018	08/15/2012	08:07
Q-11_(2.0-	07662-019	08/15/2012	08:25
Q-11_(4.25	07662-020	08/15/2012	08:42
PCB	07662-009MS	08/15/2012	09:00
PCB	07662-009MSD	08/15/2012	09:17
PCB	LCSS120802-10	08/15/2012	09:35
R-11_(2.0-	07662-015	08/15/2012	20:06

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

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-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 WI NDOW 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 WINDOW 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 WINDOW 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 WINDOW 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 WI NDOW 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 WINDOW 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 WINDOW 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				

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 WINDOW 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 WI NDOW FROM	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 WI NDOW FROM	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: 08/14/2012 **Instrument ID:** GC-R

Data File: R2873.D **GC Column (1st):** DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.98	3.90	4.04	3532718	3480237	1.49
Aroclor-1016 {2}	4.88	4.80	4.94	4385724	4564731	4.08
Aroclor-1016 {3}	5.46	5.38	5.52	6450796	6456419	0.09
Aroclor-1016 {4}	5.99	5.92	6.06	3015338	2993095	0.74
Aroclor-1016 {5}	6.40	6.33	6.47	5538806	5306222	4.20
Aroclor-1260	9.25	8.35	10.15	14020044	15610721	11.35
Aroclor-1260 {2}	9.94	9.04	10.84	7415272	7889634	6.40
Aroclor-1260 {3}	10.42	9.51	11.31	25008604	25470275	1.85
Aroclor-1260 {4}	10.91	10.01	11.81	10392420	11285007	8.59
Aroclor-1260 {5}	11.98	11.08	12.88	4642340	5263799	13.39
					Average %D	5.22

Data File: R2873.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	2885924	5.08
Aroclor-1016 {2}	4.92	4.86	5.00	5452724	5413457	0.72
Aroclor-1016 {3}	5.69	5.63	5.77	12028338	12177927	1.24
Aroclor-1016 {4}	5.91	5.84	5.98	5029442	5226448	3.92
Aroclor-1016 {5}	6.09	6.02	6.16	3968810	4086429	2.96
Aroclor-1260	8.75	7.85	9.65	6315488	6540141	3.56
Aroclor-1260 {2}	9.16	8.26	10.06	7298547	7493360	2.67
Aroclor-1260 {3}	10.36	9.47	11.27	5040054	5518044	9.48
Aroclor-1260 {4}	10.87	9.98	11.78	10029157	11637757	16.04
Aroclor-1260 {5}	11.47	10.58	12.38	8122975	8447792	4.00
					Average %D	4.97

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/14/2012 **Instrument ID:** GC-R

Data File: R2898.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	3574628	1.19
Aroclor-1016 {2}	4.87	4.80	4.94	4385724	4666086	6.39
Aroclor-1016 {3}	5.46	5.38	5.52	6450796	6625681	2.71
Aroclor-1016 {4}	5.99	5.92	6.06	3015338	2999337	0.53
Aroclor-1016 {5}	6.40	6.33	6.47	5538806	5326225	3.84
Aroclor-1260	9.25	8.35	10.15	14020044	16115234	14.94
Aroclor-1260 {2}	9.94	9.04	10.84	7415272	8310269	12.07
Aroclor-1260 {3}	10.42	9.51	11.31	25008604	28253384	12.97
Aroclor-1260 {4}	10.91	10.01	11.81	10392420	12057419	16.02
Aroclor-1260 {5}	11.98	11.08	12.88	4642340	5258878	13.28
					Average %D	8.39

Data File: R2898.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	2822416	2.77
Aroclor-1016 {2}	4.92	4.86	5.00	5452724	5395199	1.05
Aroclor-1016 {3}	5.69	5.63	5.77	12028338	12232368	1.70
Aroclor-1016 {4}	5.91	5.84	5.98	5029442	5224691	3.88
Aroclor-1016 {5}	6.09	6.02	6.16	3968810	4104449	3.42
Aroclor-1260	8.75	7.85	9.65	6315488	6402196	1.37
Aroclor-1260 {2}	9.15	8.26	10.06	7298547	7410688	1.54
Aroclor-1260 {3}	10.36	9.47	11.27	5040054	5576699	10.65
Aroclor-1260 {4}	10.87	9.98	11.78	10029157	11761974	17.28
Aroclor-1260 {5}	11.47	10.58	12.38	8122975	8535485	5.08
					Average %D	4.87

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/14/2012 **Instrument ID:** GC-R

Data File: R2923.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	3891849	10.17
Aroclor-1016 {2}	4.88	4.80	4.94	4385724	4933036	12.48
Aroclor-1016 {3}	5.46	5.38	5.52	6450796	7069613	9.59
Aroclor-1016 {4}	6.00	5.92	6.06	3015338	3321407	10.15
Aroclor-1016 {5}	6.41	6.33	6.47	5538806	5774657	4.26
Aroclor-1260	9.26	8.35	10.15	14020044	15211339	8.50
Aroclor-1260 {2}	9.95	9.04	10.84	7415272	7035890	5.12
Aroclor-1260 {3}	10.43	9.51	11.31	25008604	26790302	7.12
Aroclor-1260 {4}	10.92	10.01	11.81	10392420	10733420	3.28
Aroclor-1260 {5}	11.99	11.08	12.88	4642340	4277423	7.86
					Average %D	7.85

Data File: R2923.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	3135463	14.17
Aroclor-1016 {2}	4.94	4.86	5.00	5452724	5872275	7.69
Aroclor-1016 {3}	5.71	5.63	5.77	12028338	13216421	9.88
Aroclor-1016 {4}	5.92	5.84	5.98	5029442	5676648	12.87
Aroclor-1016 {5}	6.10	6.02	6.16	3968810	4441624	11.91
Aroclor-1260	8.76	7.85	9.65	6315488	6733329	6.62
Aroclor-1260 {2}	9.17	8.26	10.06	7298547	7633134	4.58
Aroclor-1260 {3}	10.37	9.47	11.27	5040054	5466809	8.47
Aroclor-1260 {4}	10.88	9.98	11.78	10029157	11271746	12.39
Aroclor-1260 {5}	11.48	10.58	12.38	8122975	7555706	6.98
					Average %D	9.56

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/14/2012 **Instrument ID:** GC-R

Data File: R2936.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	4062979	15.01
Aroclor-1016 {2}	4.87	4.80	4.94	4385724	5146750	17.35
Aroclor-1016 {3}	5.46	5.38	5.52	6450796	7392934	14.60
Aroclor-1016 {4}	5.99	5.92	6.06	3015338	3424753	13.58
Aroclor-1016 {5}	6.40	6.33	6.47	5538806	6031067	8.89
Aroclor-1260	9.25	8.35	10.15	14020044	15917380	13.53
Aroclor-1260 {2}	9.94	9.04	10.84	7415272	7942843	7.11
Aroclor-1260 {3}	10.42	9.51	11.31	25008604	25812456	3.21
Aroclor-1260 {4}	10.91	10.01	11.81	10392420	10896730	4.85
Aroclor-1260 {5}	11.98	11.08	12.88	4642340	4079045	12.13
					Average %D	11.03

Data File: R2936.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	2675649	2.57
Aroclor-1016 {2}	4.92	4.86	5.00	5452724	6165829	13.08
Aroclor-1016 {3}	5.69	5.63	5.77	12028338	13804937	14.77
Aroclor-1016 {4}	5.91	5.84	5.98	5029442	5714111	13.61
Aroclor-1016 {5}	6.09	6.02	6.16	3968810	4631558	16.70
Aroclor-1260	8.75	7.85	9.65	6315488	7279992	15.27
Aroclor-1260 {2}	9.16	8.26	10.06	7298547	8338341	14.25
Aroclor-1260 {3}	10.36	9.47	11.27	5040054	5899338	17.05
Aroclor-1260 {4}	10.87	9.98	11.78	10029157	11803391	17.69
Aroclor-1260 {5}	11.46	10.58	12.38	8122975	8876773	9.28
					Average %D	13.43

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/14/2012 **Instrument ID:** GC-R

Data File: R2937.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	4013276	13.60
Aroclor-1016 {2}	4.87	4.80	4.94	4385724	5100827	16.31
Aroclor-1016 {3}	5.46	5.38	5.52	6450796	7397134	14.67
Aroclor-1016 {4}	5.99	5.92	6.06	3015338	3468083	15.01
Aroclor-1016 {5}	6.40	6.33	6.47	5538806	6077634	9.73
Aroclor-1260	9.25	8.35	10.15	14020044	16331454	16.49
Aroclor-1260 {2}	9.94	9.04	10.84	7415272	8207124	10.68
Aroclor-1260 {3}	10.42	9.51	11.31	25008604	25610099	2.41
Aroclor-1260 {4}	10.91	10.01	11.81	10392420	10575068	1.76
Aroclor-1260 {5}	11.98	11.08	12.88	4642340	3974573	14.38
					Average %D	11.50

Data File: R2937.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	3268232	19.00
Aroclor-1016 {2}	4.92	4.86	5.00	5452724	6205813	13.81
Aroclor-1016 {3}	5.69	5.63	5.77	12028338	12819881	6.58
Aroclor-1016 {4}	5.91	5.84	5.98	5029442	5730601	13.94
Aroclor-1016 {5}	6.09	6.02	6.16	3968810	4454064	12.23
Aroclor-1260	8.74	7.85	9.65	6315488	7477836	18.40
Aroclor-1260 {2}	9.16	8.26	10.06	7298547	8546403	17.10
Aroclor-1260 {3}	10.36	9.47	11.27	5040054	5870957	16.49
Aroclor-1260 {4}	10.86	9.98	11.78	10029157	11879386	18.45
Aroclor-1260 {5}	11.46	10.58	12.38	8122975	9285199	14.31
					Average %D	15.03

PCB CALIBRATION VERIFICATION SUMMARY

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

Data File: R2972.D **GC Column (1st):** DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.98	3.90	4.04	3532718	4071721	15.26
Aroclor-1016 {2}	4.88	4.80	4.94	4385724	5065981	15.51
Aroclor-1016 {3}	5.46	5.38	5.52	6450796	7443003	15.38
Aroclor-1016 {4}	5.99	5.92	6.06	3015338	3394511	12.57
Aroclor-1016 {5}	6.40	6.33	6.47	5538806	6016248	8.62
Aroclor-1260	9.26	8.35	10.15	14020044	16493830	17.64
Aroclor-1260 {2}	9.94	9.04	10.84	7415272	8383177	13.05
Aroclor-1260 {3}	10.42	9.51	11.31	25008604	28197456	12.75
Aroclor-1260 {4}	10.91	10.01	11.81	10392420	12236673	17.75
Aroclor-1260 {5}	11.98	11.08	12.88	4642340	4452977	4.08
					Average %D	13.26

Data File: R2972.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	3185463	15.99
Aroclor-1016 {2}	4.92	4.86	5.00	5452724	6045981	10.88
Aroclor-1016 {3}	5.69	5.63	5.77	12028338	13729127	14.14
Aroclor-1016 {4}	5.91	5.84	5.98	5029442	5767389	14.67
Aroclor-1016 {5}	6.09	6.02	6.16	3968810	4543838	14.49
Aroclor-1260	8.75	7.85	9.65	6315488	7053286	11.68
Aroclor-1260 {2}	9.16	8.26	10.06	7298547	8504377	16.52
Aroclor-1260 {3}	10.36	9.47	11.27	5040054	5850744	16.08
Aroclor-1260 {4}	10.87	9.98	11.78	10029157	11444119	14.11
Aroclor-1260 {5}	11.47	10.58	12.38	8122975	7715700	5.01
					Average %D	13.36

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

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 WINDOW FROM	RT WINDOW 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 WINDOW FROM	RT WINDOW 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 WINDOW FROM	RT WINDOW 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 WINDOW FROM	RT WINDOW 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

AROCLOR CALIBRATION VERIFICATION SUMMARY

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

Data File: Y8497.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	1663522	1.26
Aroclor-1016 {2}	4.10	4.04	4.18	2274432	2644691	16.28
Aroclor-1016 {3}	4.66	4.59	4.73	3100344	3091008	0.30
Aroclor-1016 {4}	5.16	5.10	5.24	1496150	1662258	11.10
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2761417	11.09
Aroclor-1260	8.33	7.43	9.23	7263492	8154559	12.27
Aroclor-1260 {2}	9.00	8.11	9.91	3168969	3185636	0.53
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	9071067	9.92
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	4317515	4.47
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1760204	4.59
					Average %D	7.18

Data File: Y8497.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	636780	0.60
Aroclor-1016 {2}	4.39	4.32	4.46	1272837	1255087	1.39
Aroclor-1016 {3}	5.14	5.07	5.21	2901089	2886873	0.49
Aroclor-1016 {4}	5.35	5.28	5.42	1246404	1200113	3.71
Aroclor-1016 {5}	5.53	5.45	5.59	971379	953394	1.85
Aroclor-1260	7.89	6.99	8.79	1075405	1061419	1.30
Aroclor-1260 {2}	8.14	7.24	9.04	1584623	1543156	2.62
Aroclor-1260 {3}	9.73	8.83	10.63	1324822	1345570	1.57
Aroclor-1260 {4}	10.23	9.34	11.14	2885884	2823080	2.18
Aroclor-1260 {5}	10.82	9.93	11.73	2032527	2056676	1.19
					Average %D	1.69

AROCLOR CALIBRATION VERIFICATION SUMMARY

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

Data File: Y8499.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	1914626	16.54
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2586085	13.70
Aroclor-1016 {3}	4.66	4.59	4.73	3100344	3598631	16.07
Aroclor-1016 {4}	5.17	5.10	5.24	1496150	1752791	17.15
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2896512	16.52
Aroclor-1260	8.33	7.43	9.23	7263492	8171785	12.50
Aroclor-1260 {2}	9.01	8.11	9.91	3168969	3281470	3.55
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	9586884	16.17
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	4622298	11.84
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1852887	10.09
					Average %D	13.41

Data File: Y8499.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	629570	1.72
Aroclor-1016 {2}	4.38	4.32	4.46	1272837	1248625	1.90
Aroclor-1016 {3}	5.13	5.07	5.21	2901089	2863612	1.29
Aroclor-1016 {4}	5.34	5.28	5.42	1246404	1202734	3.50
Aroclor-1016 {5}	5.52	5.45	5.59	971379	952539	1.94
Aroclor-1260	7.88	6.99	8.79	1075405	1071970	0.32
Aroclor-1260 {2}	8.13	7.24	9.04	1584623	1584830	0.01
Aroclor-1260 {3}	9.72	8.83	10.63	1324822	1410928	6.50
Aroclor-1260 {4}	10.23	9.34	11.14	2885884	3008168	4.24
Aroclor-1260 {5}	10.81	9.93	11.73	2032527	2200892	8.28
					Average %D	2.97

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	BLKS120806-04	08/14/2012	03:20	3.47		13.10		3.38		13.17	
K-34_(2.0-	07543-057	08/14/2012	03:38	3.47		13.10		3.38		13.17	
W04	07658-004	08/14/2012	03:55	3.47		13.11		3.39		13.18	
HLR-907-07	07639-001	08/14/2012	04:12	3.47		13.10		3.38		13.17	
Q-11_(5.25	07662-021	08/14/2012	04:30	3.47		13.10		3.39		13.18	
O-14_(2.0-	07662-023	08/14/2012	05:05	3.47		13.10		3.39		13.18	
O-14_(2.5-	07662-024	08/14/2012	05:22	3.47		13.10		3.39		13.18	
O-14_(4.0-	07662-025	08/14/2012	05:40	3.47		13.10		3.38		13.17	
N-14_(0-2.	07662-026	08/14/2012	05:57	0.00	D	0.00	D	0.00	D	0.00	D
N-14_(2.0-	07662-027	08/14/2012	06:15	3.47		13.10		3.38		13.18	
N-14_(3.0-	07662-028	08/14/2012	06:32	3.47		13.10		3.38		13.17	
N-14_(4.0-	07662-029	08/14/2012	06:50	3.47		13.10		3.39		13.17	
O-15_(0-2.	07662-030	08/14/2012	07:07	3.47		13.10		3.39		13.17	
O-15_(2.0-	07662-031	08/14/2012	07:25	3.47		13.10		3.38		13.17	
O-15_(4.0-	07662-032	08/14/2012	07:42	3.47		13.10		3.39		13.17	
P-15_(0-2.	07662-033	08/14/2012	08:00	0.00	D	0.00	D	0.00	D	0.00	D
P-15_(2.0-	07662-034	08/14/2012	08:17	3.47		13.10		3.38		13.17	
PCB	07639-001MS	08/14/2012	09:27	3.47		13.10		3.39		13.17	
PCB	07639-001MSD	08/14/2012	09:44	3.47		13.10		3.39		13.17	
PCB	LCSS120806-04	08/14/2012	10:02	3.47		13.10		3.38		13.17	
O-14_(0-2.	07662-022	08/14/2012	21:04	3.47		13.10		3.39		13.17	
P-15_(4.0-	07662-035	08/14/2012	21:22	0.00	D	0.00	D	0.00	D	0.00	D
Q-12_(0-2.	07662-036	08/14/2012	21:39	0.00	D	0.00	D	0.00	D	0.00	D
Q-12_(2.0-	07662-037	08/14/2012	21:56	0.00	D	0.00	D	0.00	D	0.00	D

Surrogate QC Limits

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

DCB = Decachlorobiphenyl (± 0.10 Minutes)

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

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-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	BLKS120802-10	08/15/2012	02:53	3.47		13.10		3.39		13.17	
V-11_(0-2.	07662-001	08/15/2012	03:10	0.00	D	0.00	D	0.00	D	0.00	D
V-11_(2.0-	07662-002	08/15/2012	03:28	3.47		13.10		3.39		13.18	
V-11_(3.0-	07662-003	08/15/2012	03:45	3.47		13.10		3.38		13.17	
V-11_(4.0-	07662-004	08/15/2012	04:03	3.47		13.10		3.38		13.17	
U-11_(0-2.	07662-005	08/15/2012	04:20	0.00	D	0.00	D	0.00	D	0.00	D
U-11_(2.0-	07662-006	08/15/2012	04:37	0.00	D	0.00	D	0.00	D	0.00	D
U-11_(3.0-	07662-007	08/15/2012	04:55	0.00	D	0.00	D	0.00	D	0.00	D
U-11_(4.0-	07662-008	08/15/2012	05:12	3.47		13.10		3.39		13.17	
U-11_(4.5-	07662-009	08/15/2012	05:30	3.48		13.10		3.39		13.18	
T-11_(0-2.	07662-010	08/15/2012	05:47	3.47		13.10		3.39		13.18	
T-11_(2.0-	07662-011	08/15/2012	06:05	3.47		13.10		3.39		13.17	
T-11_(4.0-	07662-012	08/15/2012	06:22	3.47		13.10		3.38		13.18	
T-11_(4.75	07662-013	08/15/2012	06:40	3.47		13.10		3.38		13.17	
R-11_(0-2.	07662-014	08/15/2012	06:57	3.47		13.10		3.38		13.17	
R-11_(4.0-	07662-016	08/15/2012	07:32	3.47		13.10		3.38		13.18	
R-11_(5.25	07662-017	08/15/2012	07:50	3.47		13.10		3.38		13.17	
Q-11_(0-2.	07662-018	08/15/2012	08:07	3.47		13.10		3.39		13.17	
Q-11_(2.0-	07662-019	08/15/2012	08:25	3.47		13.10		3.38		13.18	
Q-11_(4.25	07662-020	08/15/2012	08:42	3.47		13.10		3.38		13.17	
PCB	07662-009MS	08/15/2012	09:00	3.47		13.10		3.38		13.17	
PCB	07662-009MSD	08/15/2012	09:17	3.47		13.10		3.38		13.17	
PCB	LCSS120802-10	08/15/2012	09:35	3.47		13.10		3.38		13.17	
R-11_(2.0-	07662-015	08/15/2012	20:06	3.48		13.10		3.39		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 SAMPLE DATA

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2949.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 3:10
Operator : YG
Sample : V-11_(0-2.,07662-001,S,5.42g,14.9,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,100
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 09:26:57 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						
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	3563.9E6	2658.0E6	467.863	475.953
24) L6 Aroclor-1248 {2}	5.86	6.29	2505.4E6	5389.0E6	584.019	674.855
25) L6 Aroclor-1248 {3}	6.20	6.70	3738.2E6	4365.8E6	680.536	731.503
26) L6 Aroclor-1248 {4}	6.93	6.86	7917.7E6	2722.8E6	929.289	533.255 #
27) L6 Aroclor-1248 {5}	7.20	7.21	5293.7E6	1603.3E6	739.448	555.178
Sum Aroclor-1248			23018.9E6	16738.9E6	3401.156	2970.744
Average Aroclor-1248					680.231	594.149
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

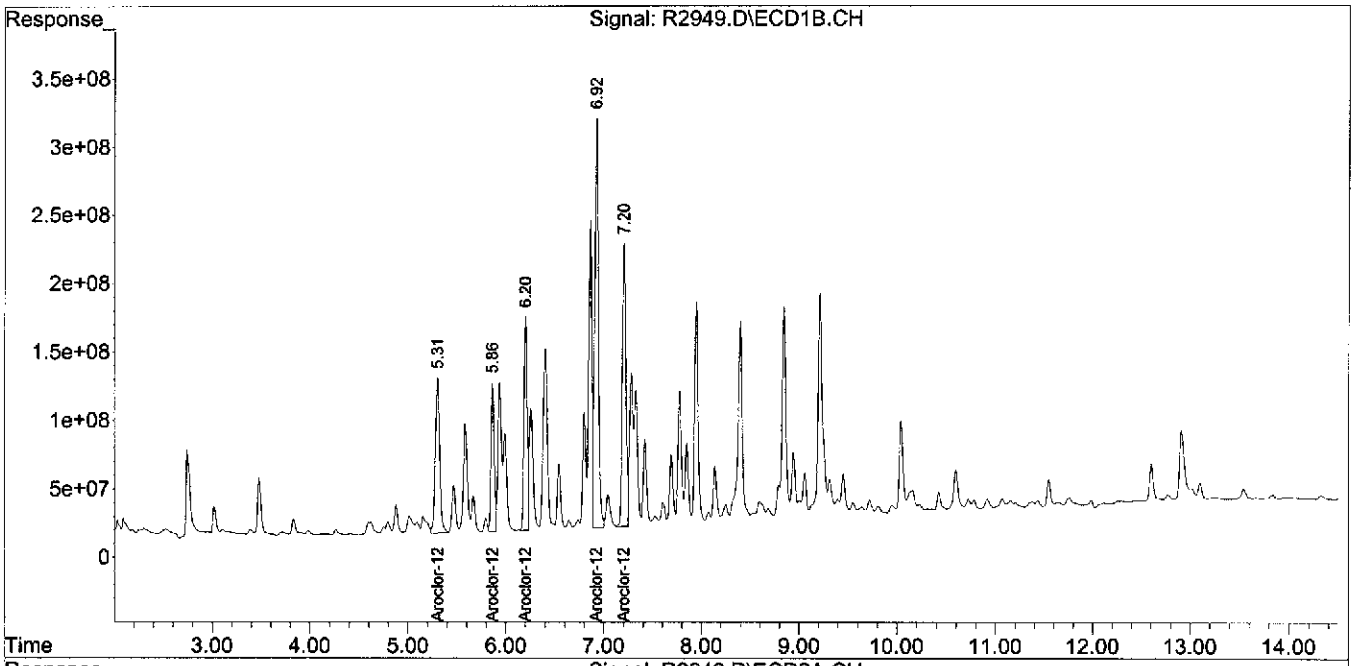
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

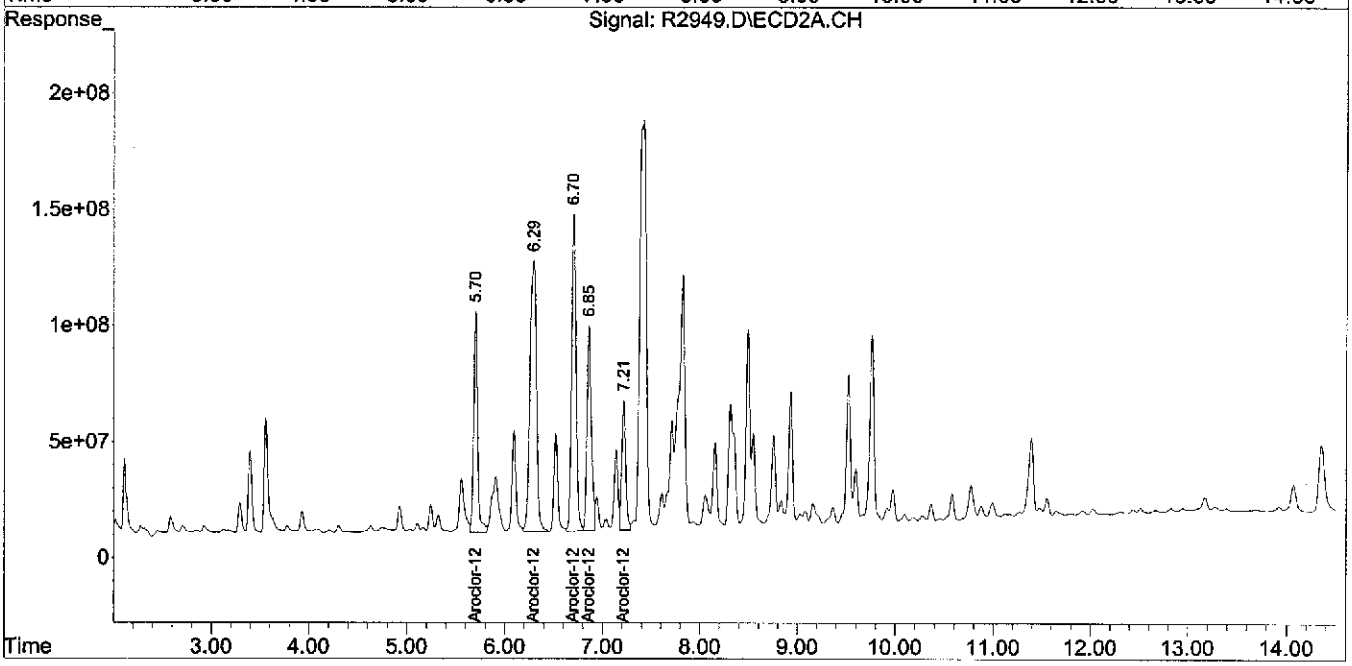
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2949.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 3:10
Operator : YG
Sample : V-11_(0-2.,07662-001,S,5.42g,14.9,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,100
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 09:26:57 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 : R2950.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 3:28
Operator : YG
Sample : V-11_(2.0-,07662-002,S,5.54g,23.3,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,10
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:27:39 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	2284.8E6	3252.2E6	13.298	22.593 #
Spiked Amount 200.000			Recovery	=	6.65%	11.30%
2) S DCB	13.10	13.18	1037.8E6	839.8E6	17.778m	20.965m
Spiked Amount 200.000			Recovery	=	8.89%	10.48%
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	10332.6E6	7498.4E6	1356.460	1342.685
24) L6 Aroclor-1248 {2}	5.86	6.29	1850.5E6	5991.5E6	431.360	750.305 #
25) L6 Aroclor-1248 {3}	6.20	6.70	4068.7E6	5158.3E6	740.708	864.294
26) L6 Aroclor-1248 {4}	6.92	6.86	8472.4E6	3711.3E6	994.388	726.840 #
27) L6 Aroclor-1248 {5}	7.20	7.21	6020.5E6	2391.2E6	840.971	828.027
Sum Aroclor-1248			30744.7E6	24750.8E6	4363.888	4512.152
Average Aroclor-1248					872.778	902.430
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

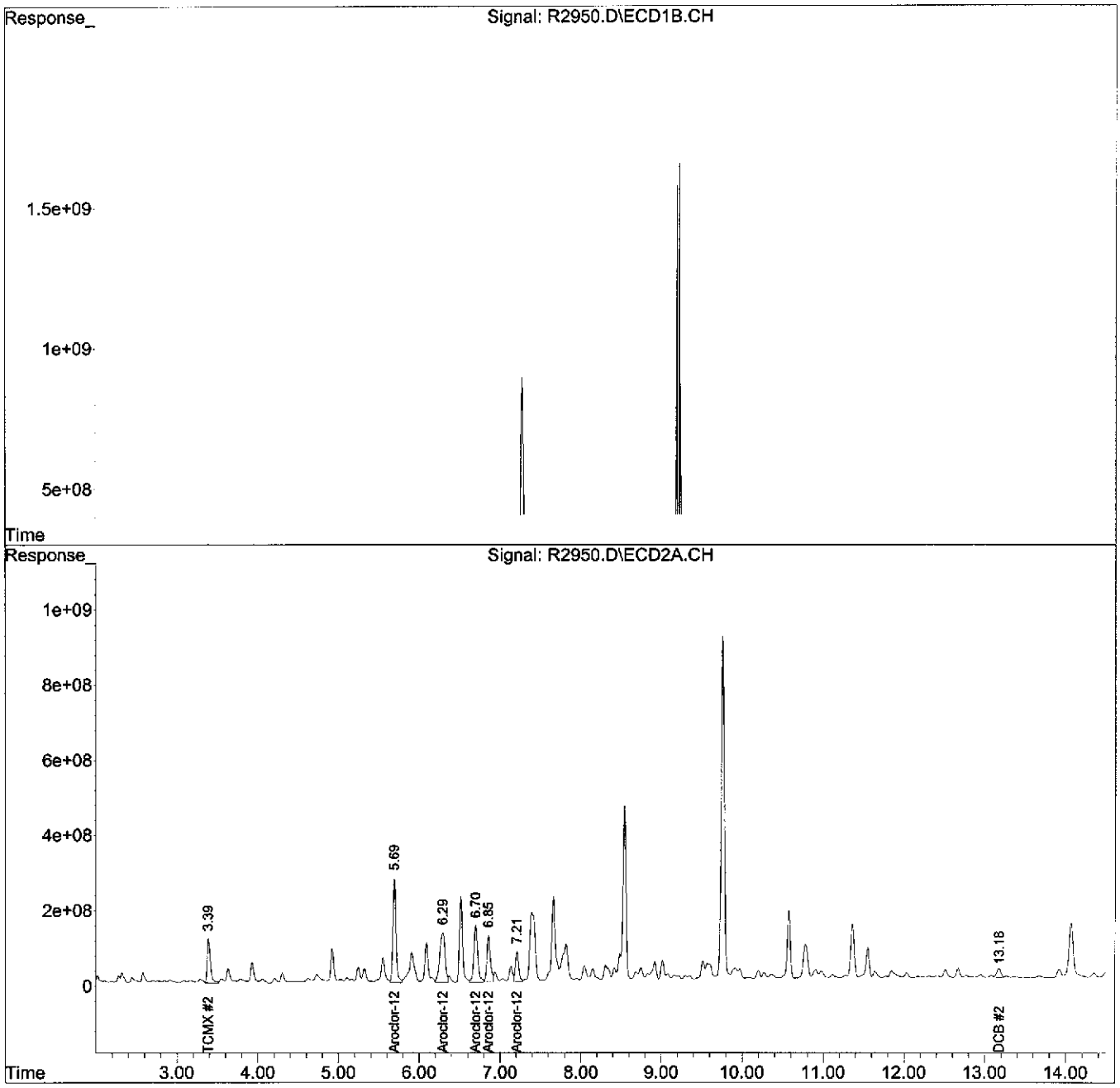
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

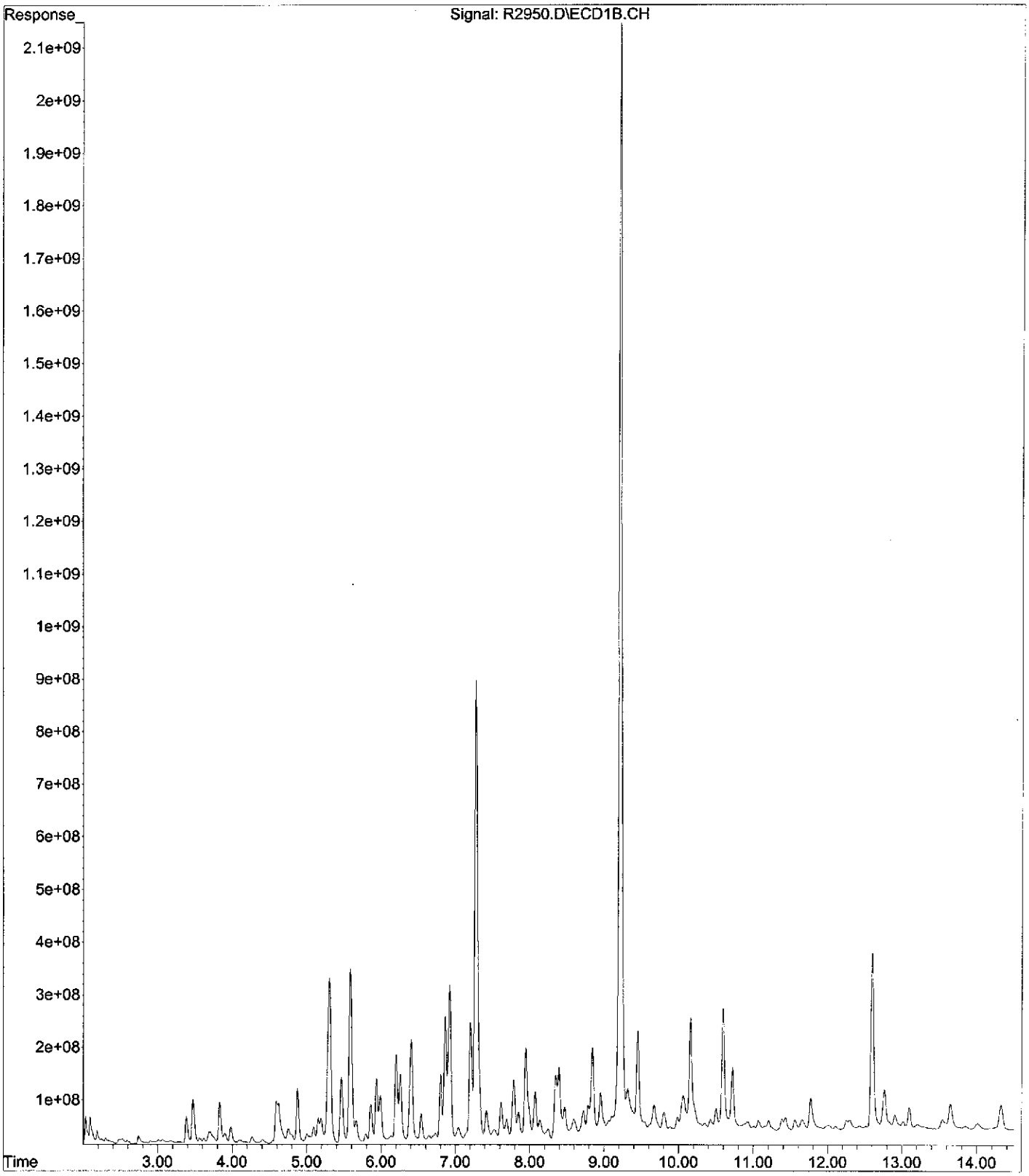
Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2950.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 3:28
Operator : YG
Sample : V-11_(2.0-,07662-002,S,5.54g,23.3,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,10
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:27:39 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\R2950.D
Operator : YG
Acquired : 15 Aug 2012 3:28 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: V-11_(2.0-,07662-002,S,5.54g,23.3,08/02/12,4
Misc Info : 120802-10,07/30/12,07/30/12,10
Vial Number: 24



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2951.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 3:45
Operator : YG
Sample : V-11_(3.0-,07662-003,S,5.47g,57.6,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:29:18 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	43137.9E6	34270.7E6	251.068	238.074
Spiked Amount 200.000			Recovery	=	125.53%	119.04%
2) S DCB	13.10	13.17	13032.8E6	6219.8E6	223.263m	155.277m#
Spiked Amount 200.000			Recovery	=	111.63%	77.64%
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

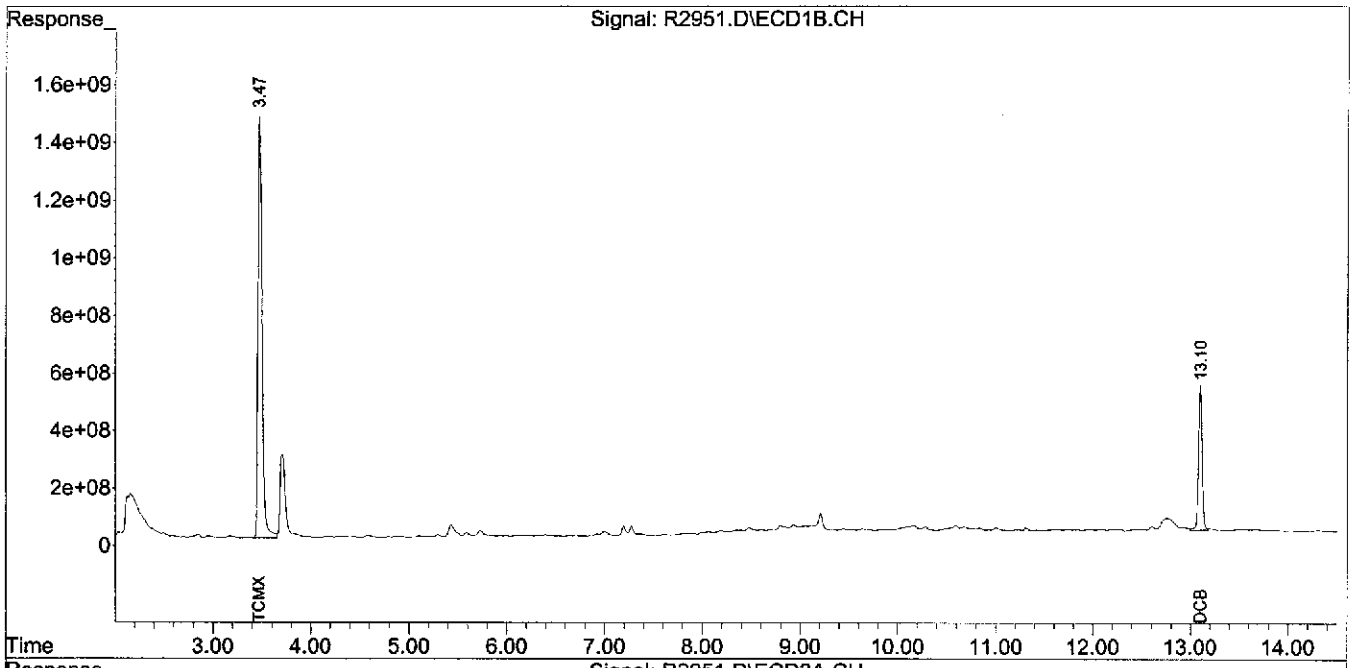
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

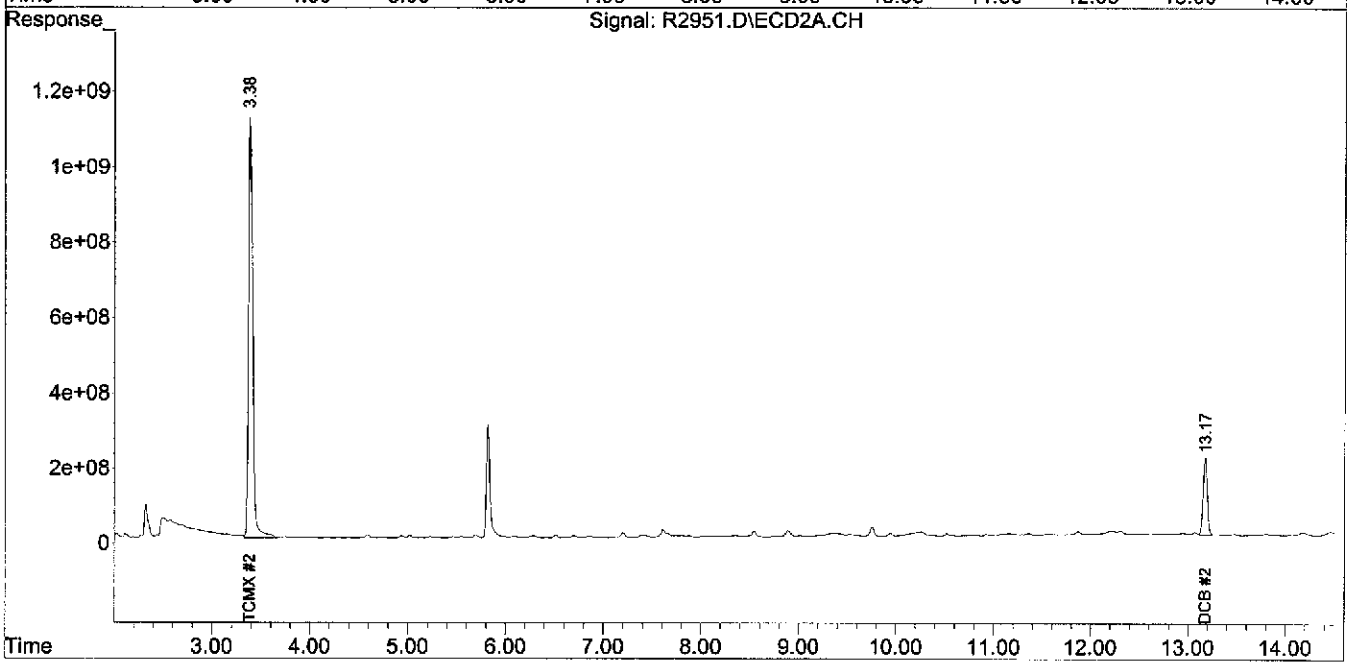
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2951.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 3:45
Operator : YG
Sample : V-11_(3.0-,07662-003,S,5.47g,57.6,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:29:18 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 : R2952.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 4:03
Operator : YG
Sample : V-11_(4.0-,07662-004,S,5.26g,19.8,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:30:37 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	3.38	35452.8E6	32696.3E6	206.340	227.136
Spiked Amount 200.000			Recovery	=	103.17%	113.57%
2) S DCB	13.10	13.17	11202.5E6	5837.2E6	191.909m	145.726m
Spiked Amount 200.000			Recovery	=	95.95%	72.86%
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

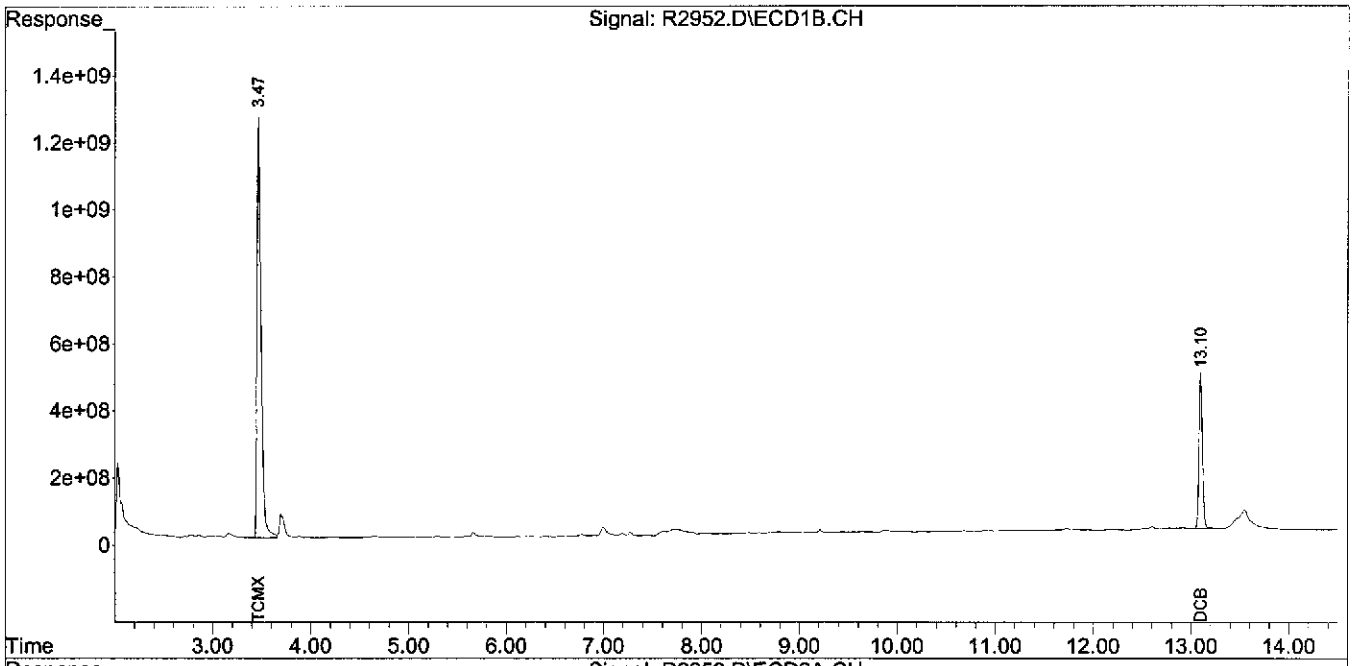
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

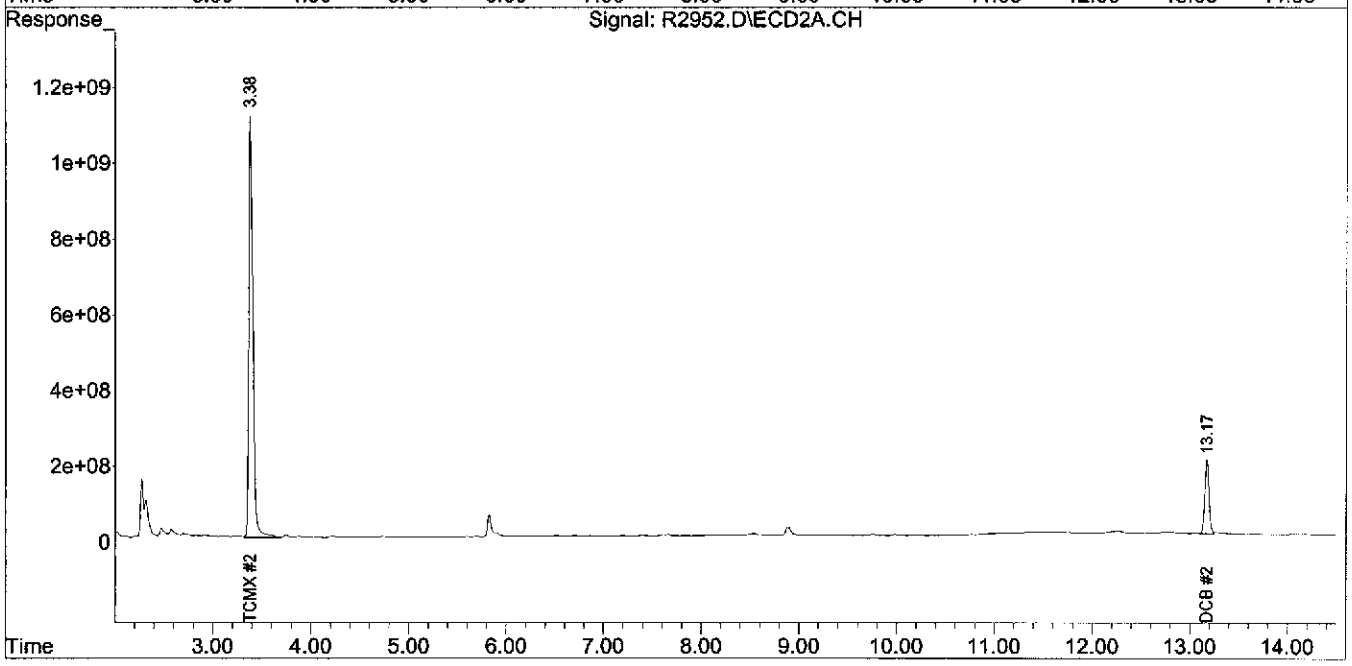
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2952.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 4:03
Operator : YG
Sample : V-11_(4.0-,07662-004,S,5.26g,19.8,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:30:37 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\08-14-12\
Data File : R2953.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 4:20
Operator : YG
Sample : U-11_(0-2.,07662-005,S,5.35g,18.1,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,100
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:34:47 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						
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	1090.9E6	735.0E6	143.209m	131.612m
24) L6 Aroclor-1248 {2}	5.85	6.29	198.6E6	730.5E6	46.304m	91.476m#
25) L6 Aroclor-1248 {3}	6.20	6.70	477.9E6	694.2E6	87.008m	116.314m#
26) L6 Aroclor-1248 {4}	6.92	6.86	1680.7E6	331.3E6	197.256m	64.883m#
27) L6 Aroclor-1248 {5}	7.21	7.21	867.6E6	593.1E6	121.188m	205.370m#
Sum Aroclor-1248			4315.7E6	3084.0E6	594.965	609.654
Average Aroclor-1248					118.993	121.931
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

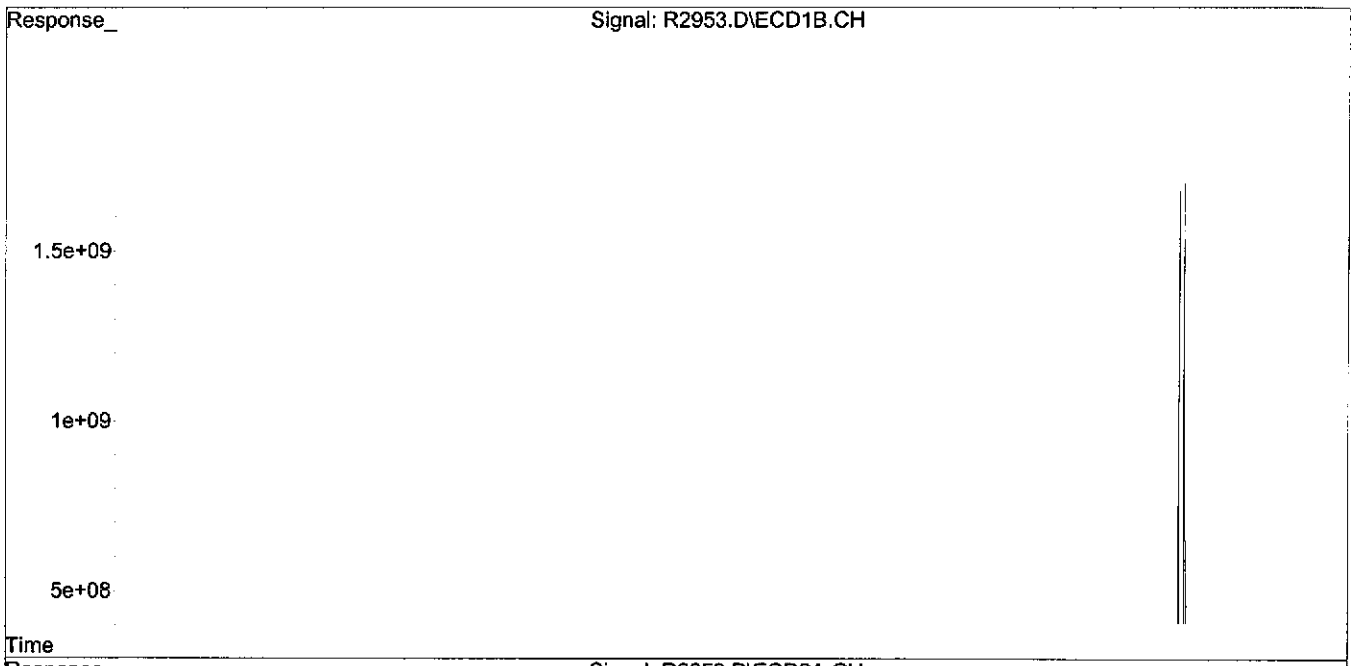
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

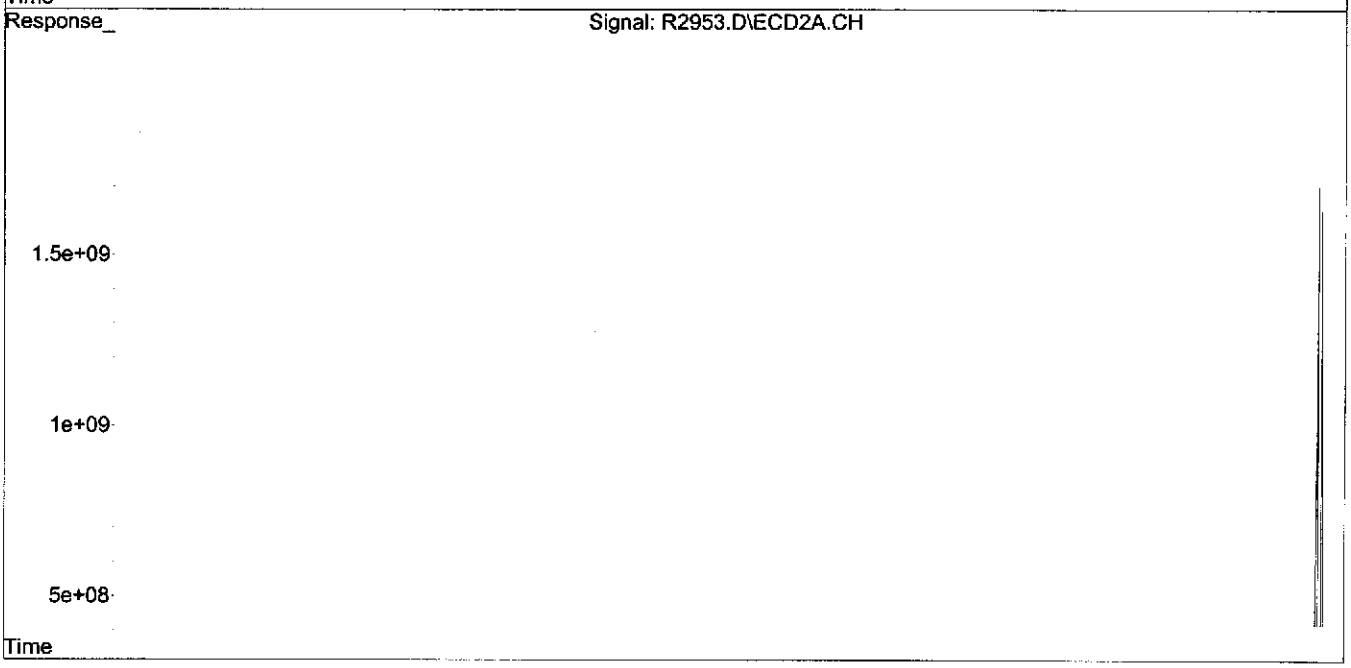
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2953.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 4:20
Operator : YG
Sample : U-11_(0-2.,07662-005,S,5.35g,18.1,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,100
ALS Vial : 27 Sample Multiplier: 1

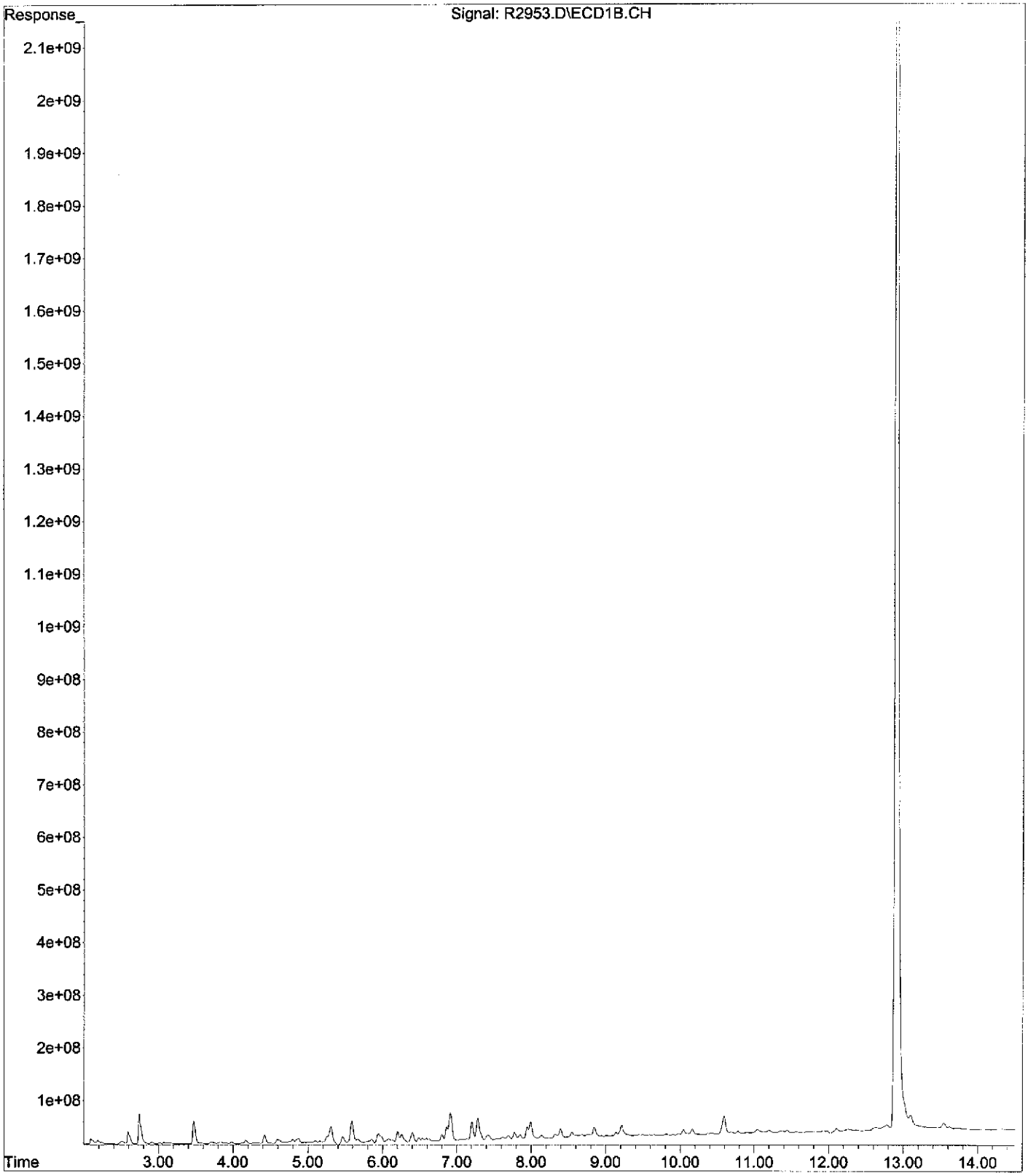
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:34:47 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

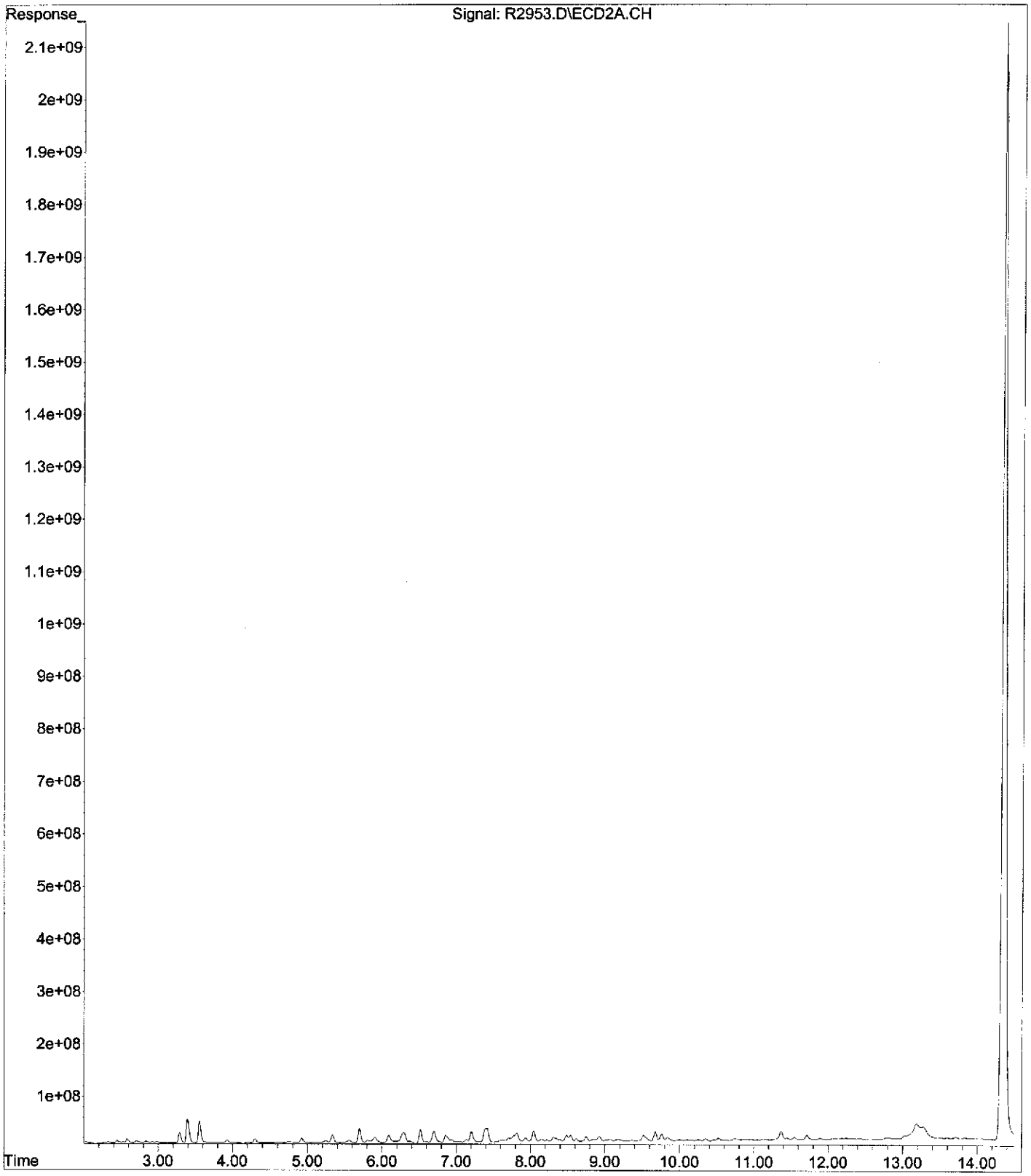




File :C:\MSDChem\1\DATA\08-14-12\R2953.D
Operator : YG
Acquired : 15 Aug 2012 4:20 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: U-11_(0-2.,07662-005,S,5.35g,18.1,08/02/12,4
Misc Info : 120802-10,07/30/12,07/30/12,100
Vial Number: 27



File :C:\MSDChem\1\DATA\08-14-12\R2953.D
Operator : YG
Acquired : 15 Aug 2012 4:20 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: U-11_(0-2.,07662-005,S,5.35g,18.1,08/02/12,4
Misc Info : 120802-10,07/30/12,07/30/12,100
Vial Number: 27



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2954.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 4:37
Operator : YG
Sample : U-11_(2.0-,07662-006,S,5.42g,29.0,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,100
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:36:58 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						
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	2702.6E6	1772.5E6	354.800m	317.395m
24) L6 Aroclor-1248 {2}	5.86	6.29	374.8E6	1173.5E6	87.368	146.957m#
25) L6 Aroclor-1248 {3}	6.20	6.70	760.8E6	1156.5E6	138.506m	193.776m#
26) L6 Aroclor-1248 {4}	6.91	6.86	2385.4E6	956.0E6	279.975m	187.234m#
27) L6 Aroclor-1248 {5}	7.21	7.20	1724.9E6	1335.0E6	240.949m	462.270m#
Sum Aroclor-1248			7948.6E6	6393.6E6	1101.598	1307.632
Average Aroclor-1248					220.320	261.526
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

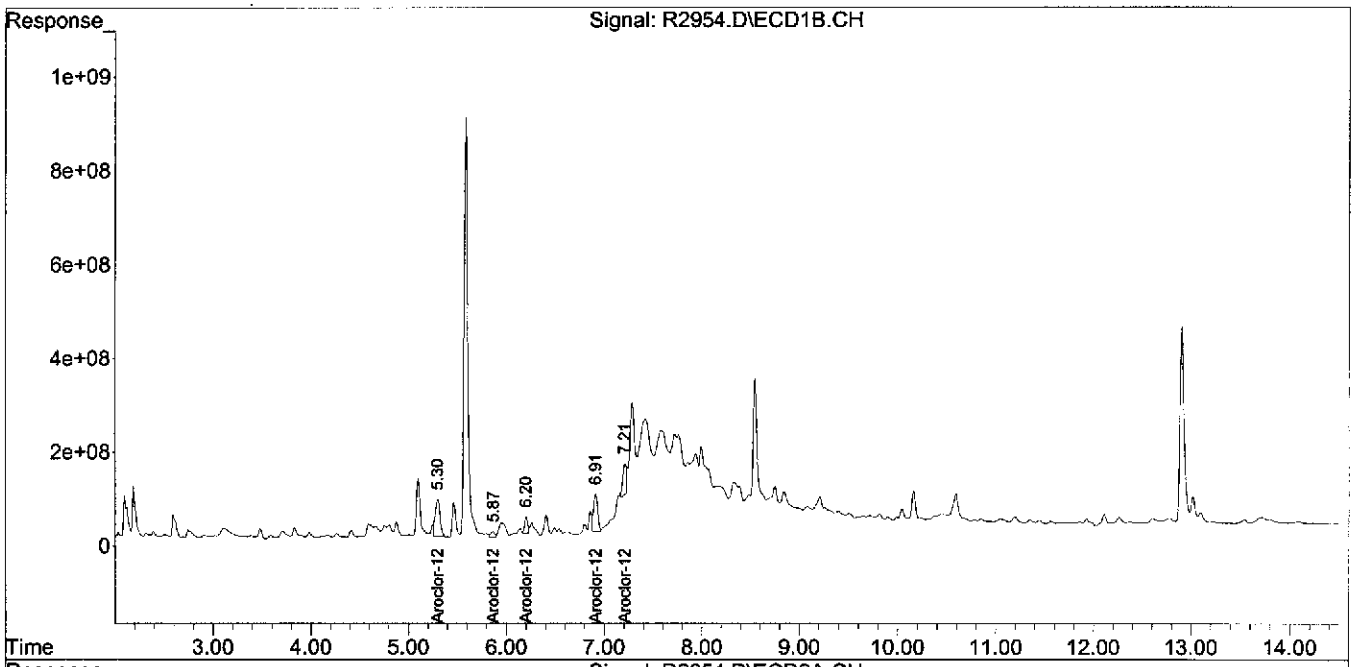
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

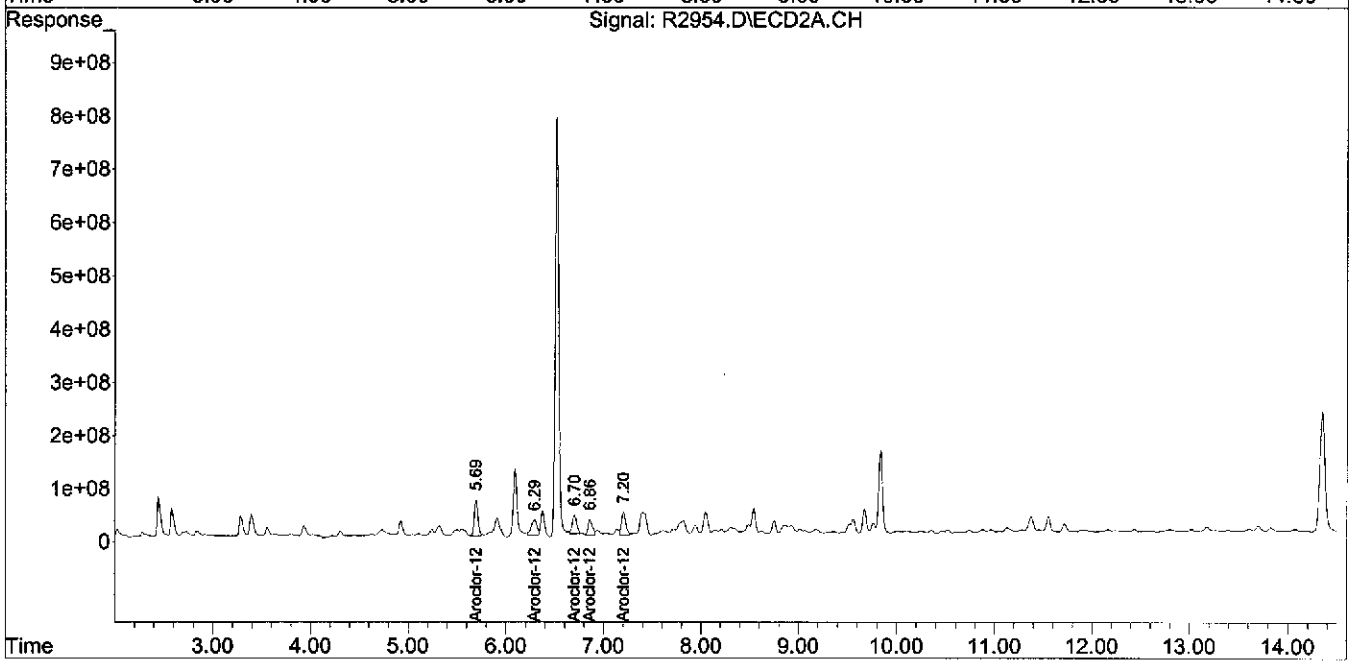
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2954.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 4:37
Operator : YG
Sample : U-11_(2.0-,07662-006,S,5.42g,29.0,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,100
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:36:58 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 :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2955.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 4:55
Operator : YG
Sample : U-11_(3.0-,07662-007,S,5.73g,44.7,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,100
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:41:32 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						
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	0.00	5.70	0	2823.6E6	N.D. d	505.598 #
24) L6 Aroclor-1248 {2}	5.88	6.28	1538.3E6	5371.5E6	358.572m	672.674m#
25) L6 Aroclor-1248 {3}	6.20	6.70	1960.3E6	2733.3E6	356.876m	457.982m#
26) L6 Aroclor-1248 {4}	6.92	6.86	3276.5E6	1812.4E6	384.563m	354.941m
27) L6 Aroclor-1248 {5}	7.20	0.00	3388.3E6	0	473.296m	N.D. d#
Sum Aroclor-1248			10163.4E6	12740.8E6	1573.306	1991.194
Average Aroclor-1248					393.327	497.799
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

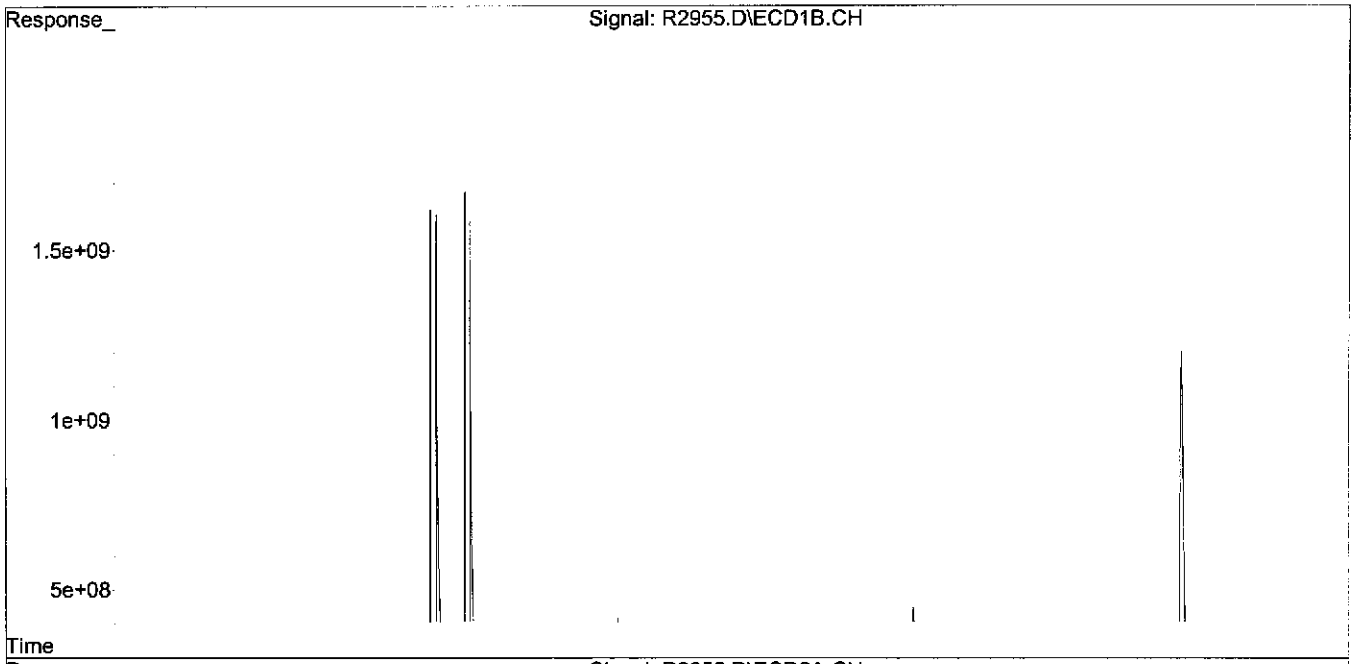
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

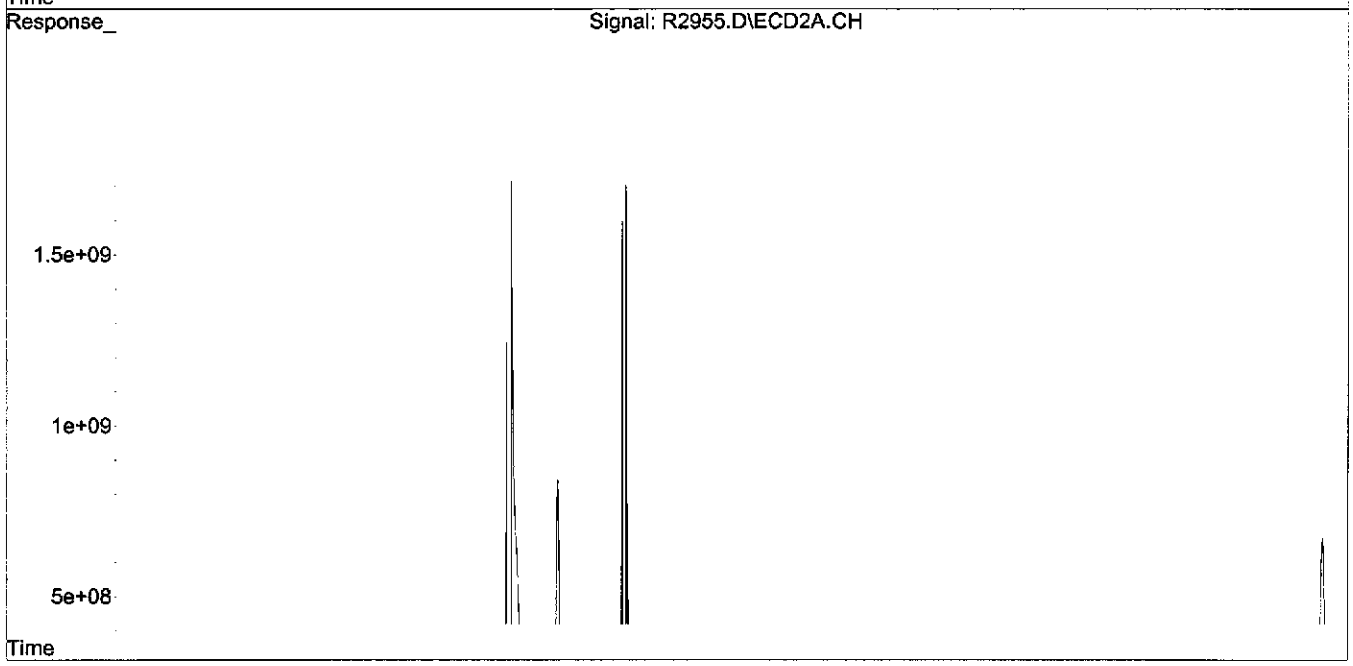
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2955.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 4:55
Operator : YG
Sample : U-11_(3.0-,07662-007,S,5.73g,44.7,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,100
ALS Vial : 29 Sample Multiplier: 1

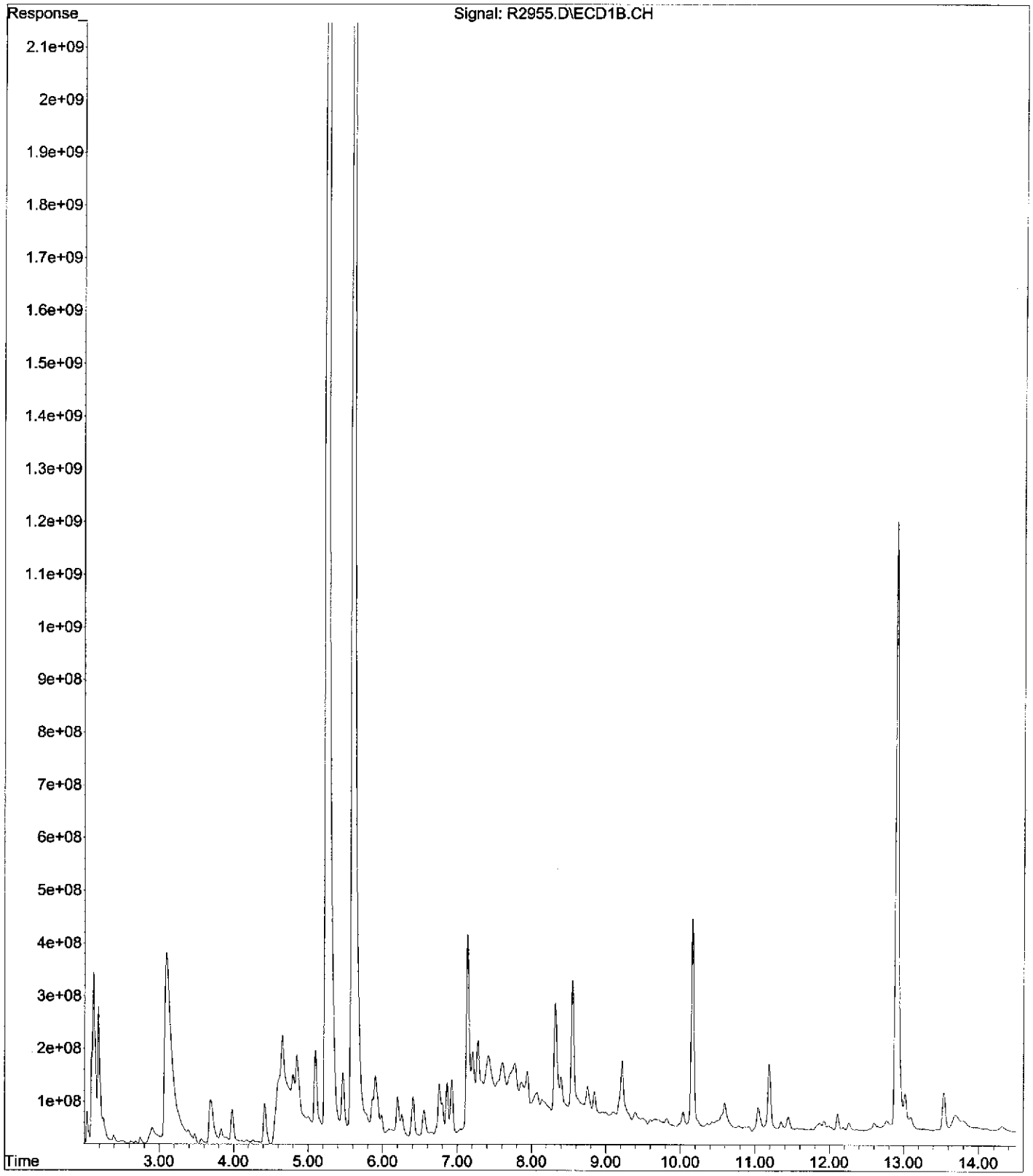
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:41:32 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

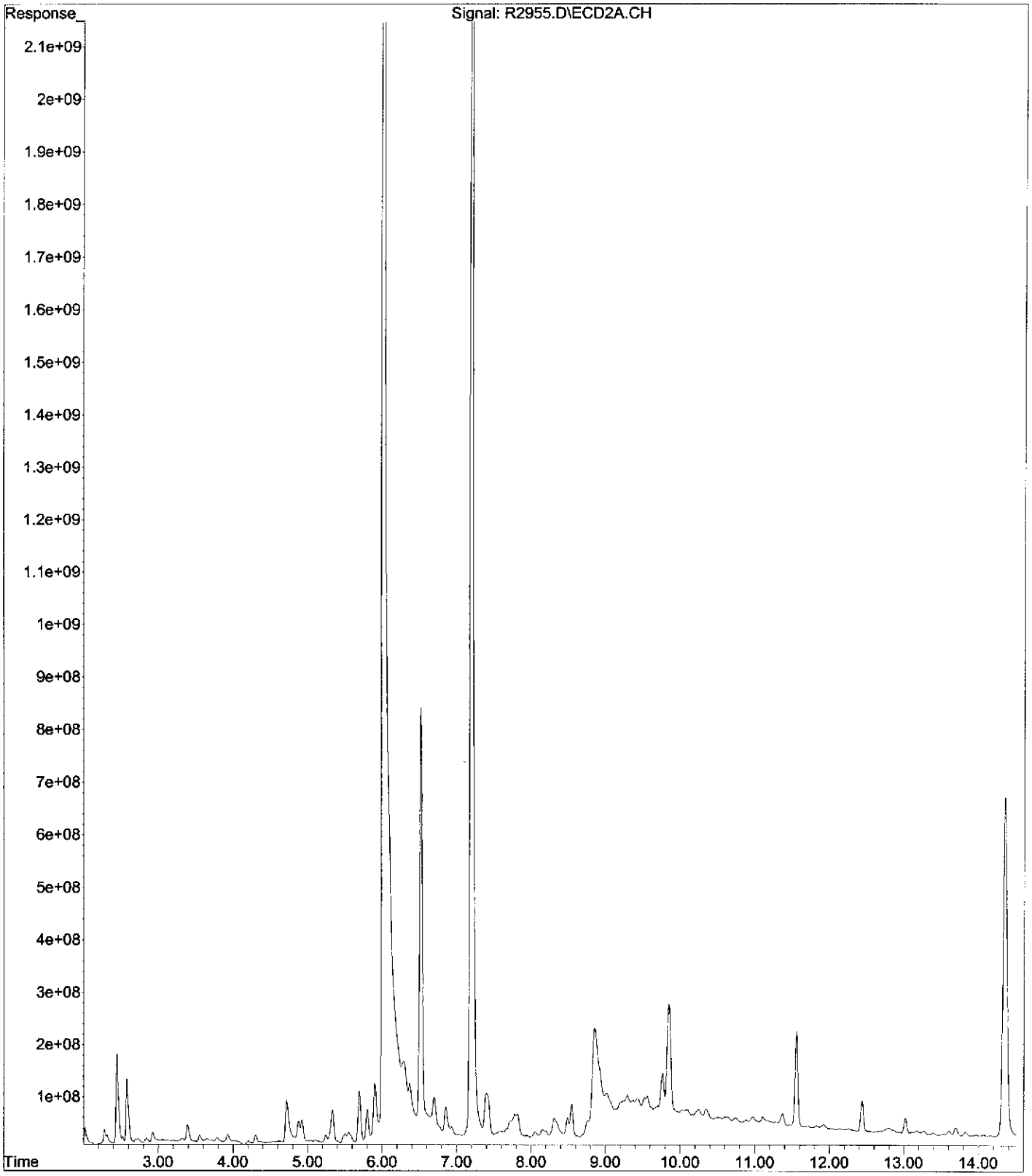




File :C:\MSDChem\1\DATA\08-14-12\R2955.D
Operator : YG
Acquired : 15 Aug 2012 4:55 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: U-11_(3.0-,07662-007,S,5.73g,44.7,08/02/12,4
Misc Info : 120802-10,07/30/12,07/30/12,100
Vial Number: 29



File :C:\MSDChem\1\DATA\08-14-12\R2955.D
Operator : YG
Acquired : 15 Aug 2012 4:55 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: U-11_(3.0-,07662-007,S,5.73g,44.7,08/02/12,4
Misc Info : 120802-10,07/30/12,07/30/12,100
Vial Number: 29



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2956.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 5:12
Operator : YG
Sample : U-11_(4.0-,07662-008,S,5.34g,11.3,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:46:56 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	20631.4E6	27570.9E6	120.077	191.531 #
Spiked Amount 200.000			Recovery	=	60.04%	95.77%
2) S DCB	13.10	13.17	9784.8E6	5535.8E6	167.621m	138.202m
Spiked Amount 200.000			Recovery	=	83.81%	69.10%
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	8773.3E6	3310.9E6	1151.763	592.850 #
24) L6 Aroclor-1248 {2}	0.00	6.30	0	2371.5E6	N.D. d	296.983m#
25) L6 Aroclor-1248 {3}	6.20	6.70	2834.5E6	2973.0E6	516.010	498.139m
26) L6 Aroclor-1248 {4}	6.92	6.86	3722.2E6	1529.2E6	436.863	299.488m#
27) L6 Aroclor-1248 {5}	7.21	0.00	4044.1E6	0	564.902	N.D. d#
Sum Aroclor-1248			19374.1E6	10184.6E6	2669.539	1687.459
Average Aroclor-1248					667.385	421.865
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

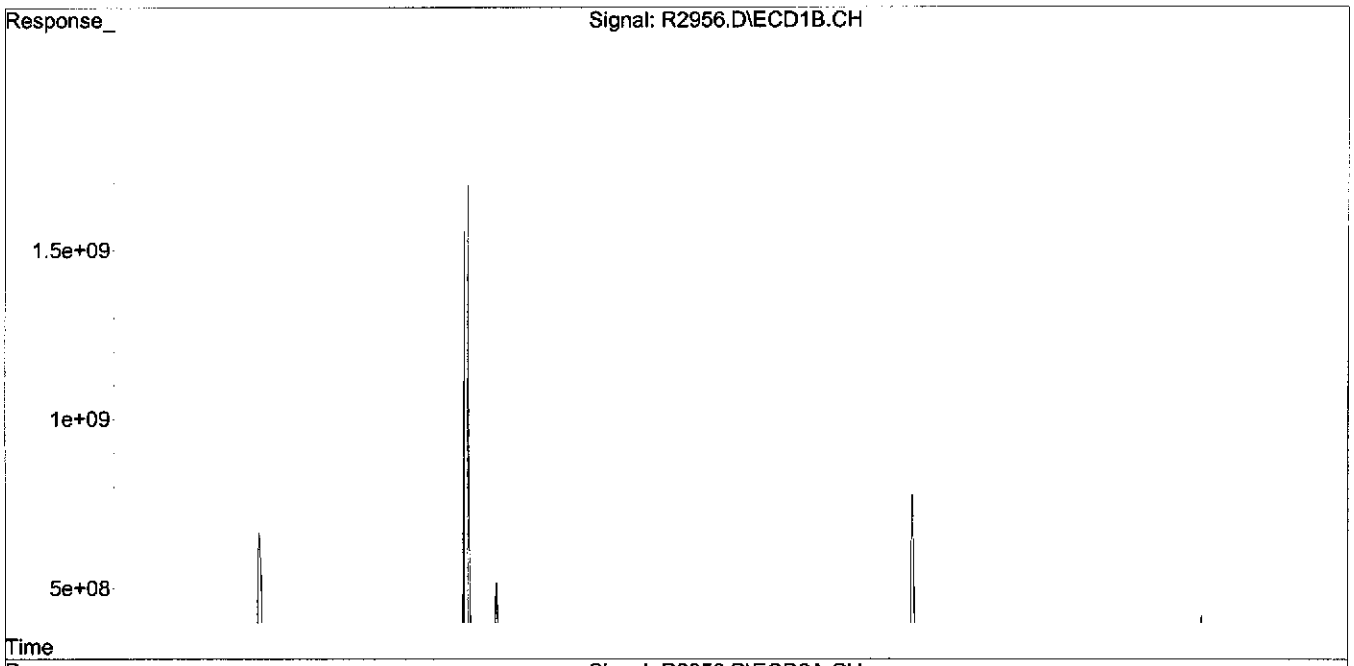
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

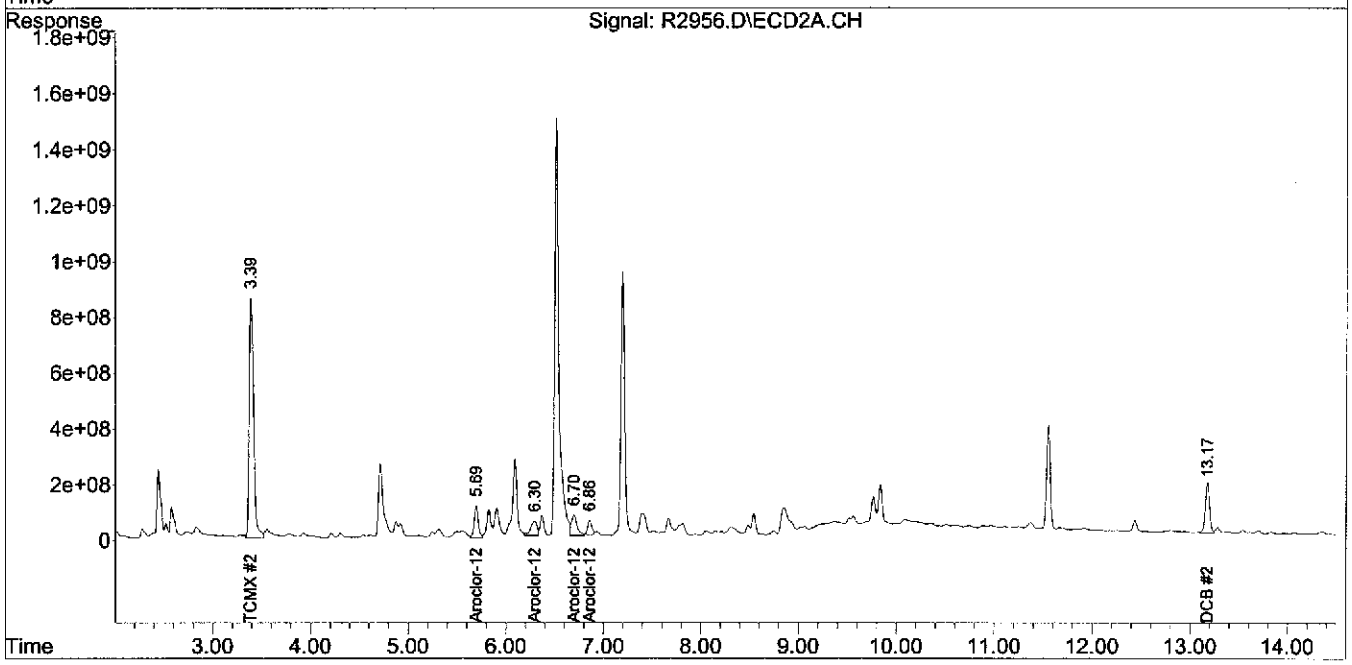
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2956.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 5:12
Operator : YG
Sample : U-11_(4.0-,07662-008,S,5.34g,11.3,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 30 Sample Multiplier: 1

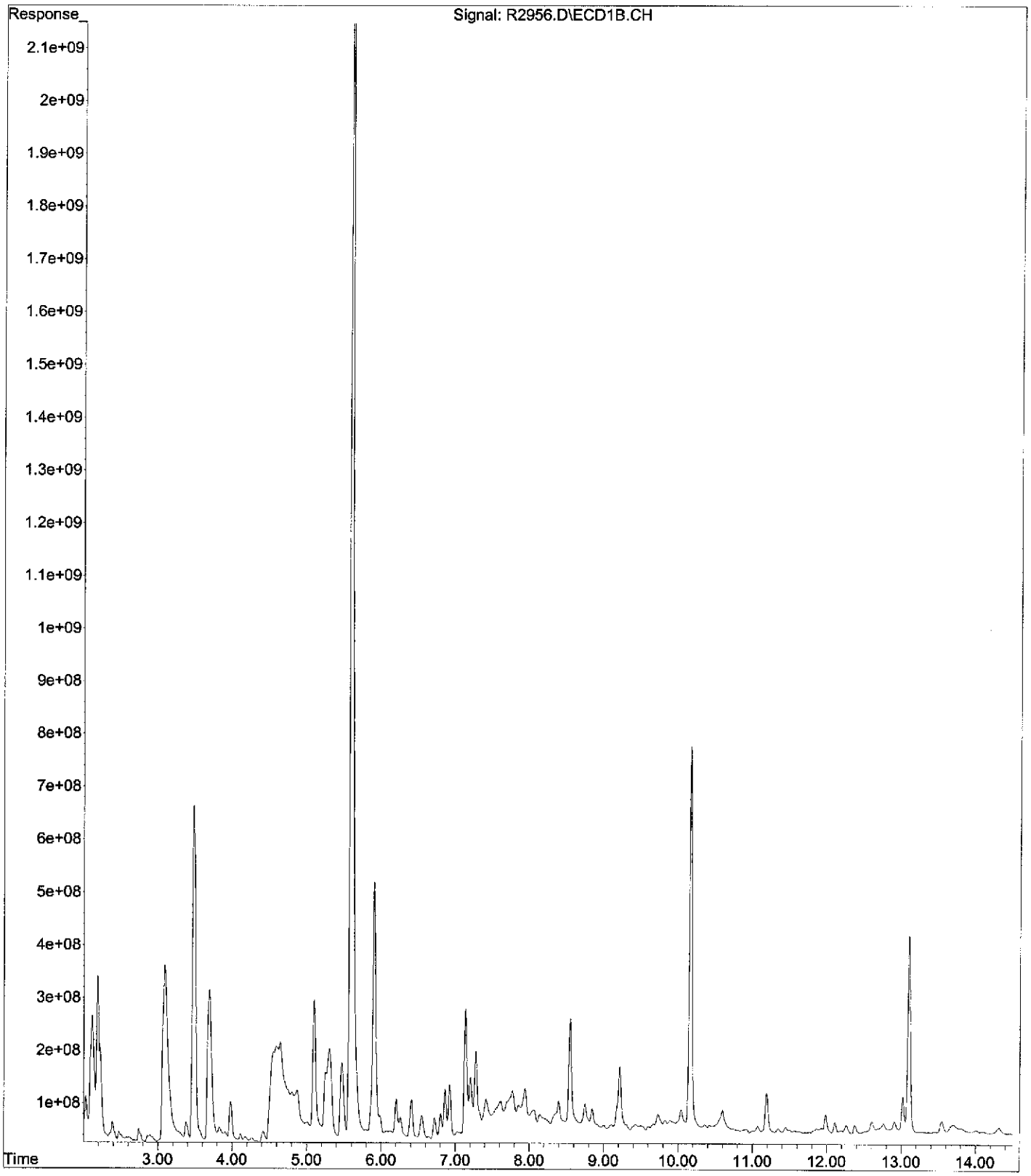
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:46:56 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





File :C:\MSDChem\1\DATA\08-14-12\R2956.D
Operator : YG
Acquired : 15 Aug 2012 5:12 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: U-11_(4.0-,07662-008,S,5.34g,11.3,08/02/12,4
Misc Info : 120802-10,07/30/12,07/30/12,1
Vial Number: 30



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2957.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 5:30
Operator : YG
Sample : U-11_(4.5-,07662-009,S,5.55g,22.4,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:49:12 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	19935.7E6	25683.4E6	116.028	178.419 #
Spiked Amount 200.000			Recovery	=	58.01%	89.21%
2) S DCB	13.10	13.18	10146.1E6	5414.0E6	173.811m	135.161m
Spiked Amount 200.000			Recovery	=	86.91%	67.58%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.28	5.70	4608.7E6	1953.2E6	605.032m	349.745m#
24) L6 Aroclor-1248 {2}	5.87	6.27	2921.4E6	1391.9E6	680.977m	174.312m#
25) L6 Aroclor-1248 {3}	6.20	6.70	1840.6E6	877.2E6	335.083m	146.980m#
26) L6 Aroclor-1248 {4}	6.92	6.86	1599.7E6	880.6E6	187.753m	172.466m
Sum Aroclor-1248			10970.4E6	5103.0E6	1808.845	843.502
Average Aroclor-1248					452.211	210.876
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

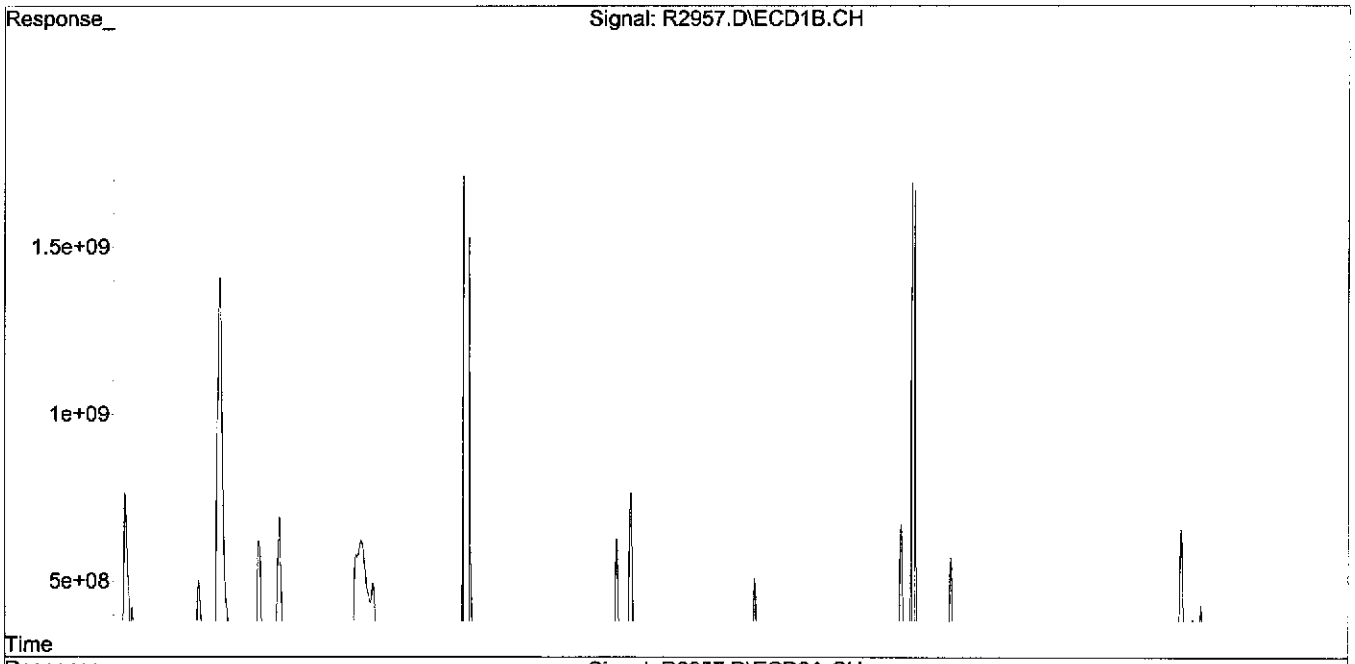
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

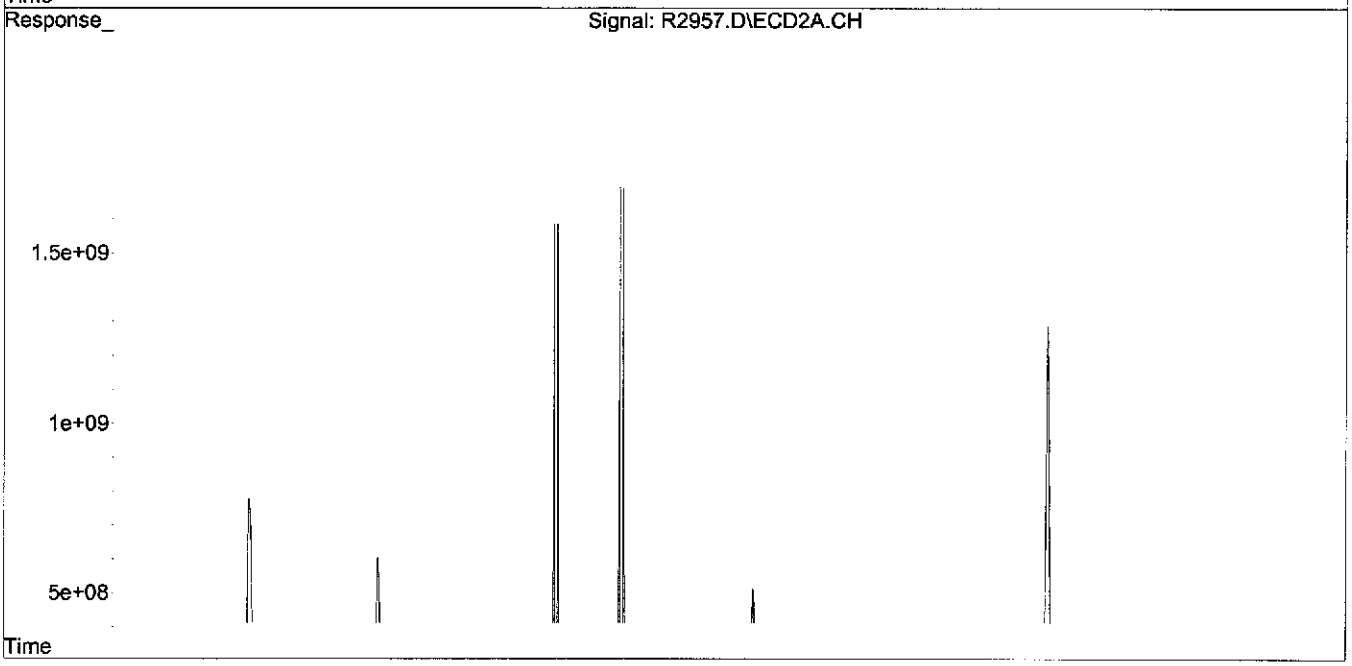
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2957.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 5:30
Operator : YG
Sample : U-11_(4.5-,07662-009,S,5.55g,22.4,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 31 Sample Multiplier: 1

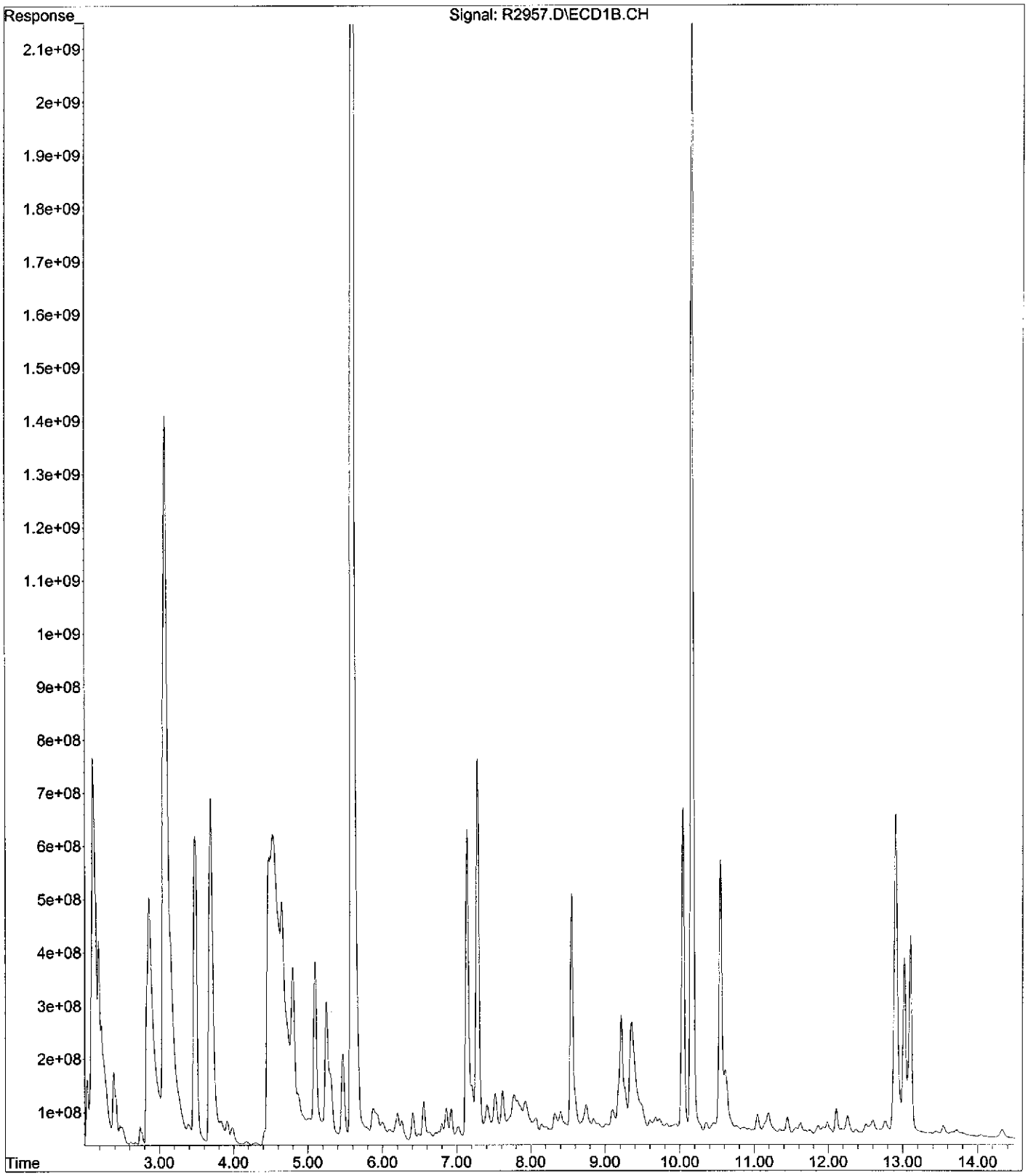
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:49:12 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

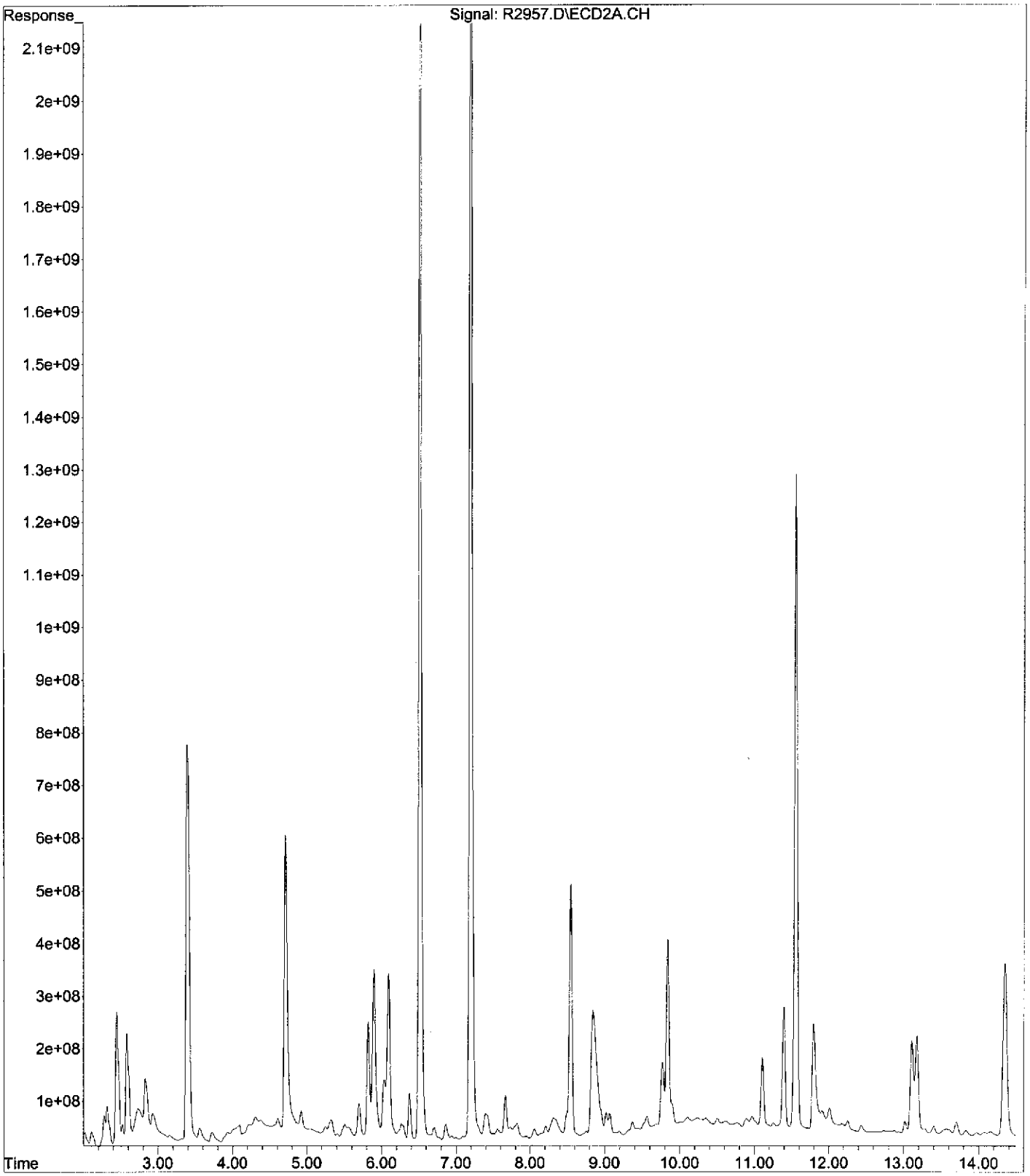




File :C:\MSDChem\1\DATA\08-14-12\R2957.D
Operator : YG
Acquired : 15 Aug 2012 5:30 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: U-11_(4.5-,07662-009,S,5.55g,22.4,08/02/12,4
Misc Info : 120802-10,07/30/12,07/30/12,1
Vial Number: 31



File :C:\MSDChem\1\DATA\08-14-12\R2957.D
Operator : YG
Acquired : 15 Aug 2012 5:30 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: U-11_(4.5-,07662-009,S,5.55g,22.4,08/02/12,4
Misc Info : 120802-10,07/30/12,07/30/12,1
Vial Number: 31



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2958.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 5:47
Operator : YG
Sample : T-11_(0-2.,07662-010,S,5.76g,13.4,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,10
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:50:26 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	4316.7E6	4197.3E6	25.124m	29.158
Spiked Amount 200.000			Recovery	=	12.56%	14.58%
2) S DCB	13.10	13.18	1245.2E6	721.9E6	21.331m	18.021m
Spiked Amount 200.000			Recovery	=	10.67%	9.01%
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	2052.4E6	1560.8E6	269.434	279.476
24) L6 Aroclor-1248 {2}	5.86	6.30	755.9E6	1463.2E6	176.191	183.234m
25) L6 Aroclor-1248 {3}	6.20	6.70	808.6E6	1413.9E6	147.202	236.912 #
26) L6 Aroclor-1248 {4}	6.92	6.86	1835.6E6	924.6E6	215.437	181.074
27) L6 Aroclor-1248 {5}	7.21	7.21	1441.7E6	1109.7E6	201.388	384.275 #
Sum Aroclor-1248			6894.1E6	6472.2E6	1009.652	1264.971
Average Aroclor-1248					201.930	252.994
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

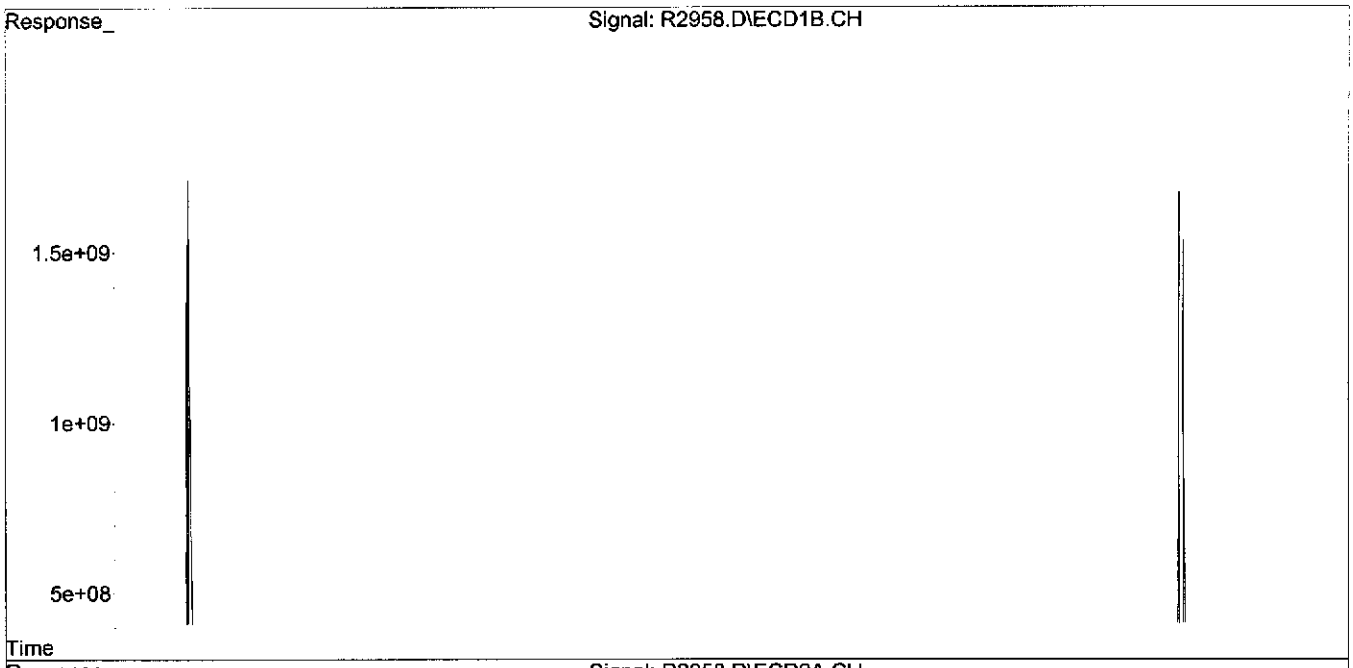
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

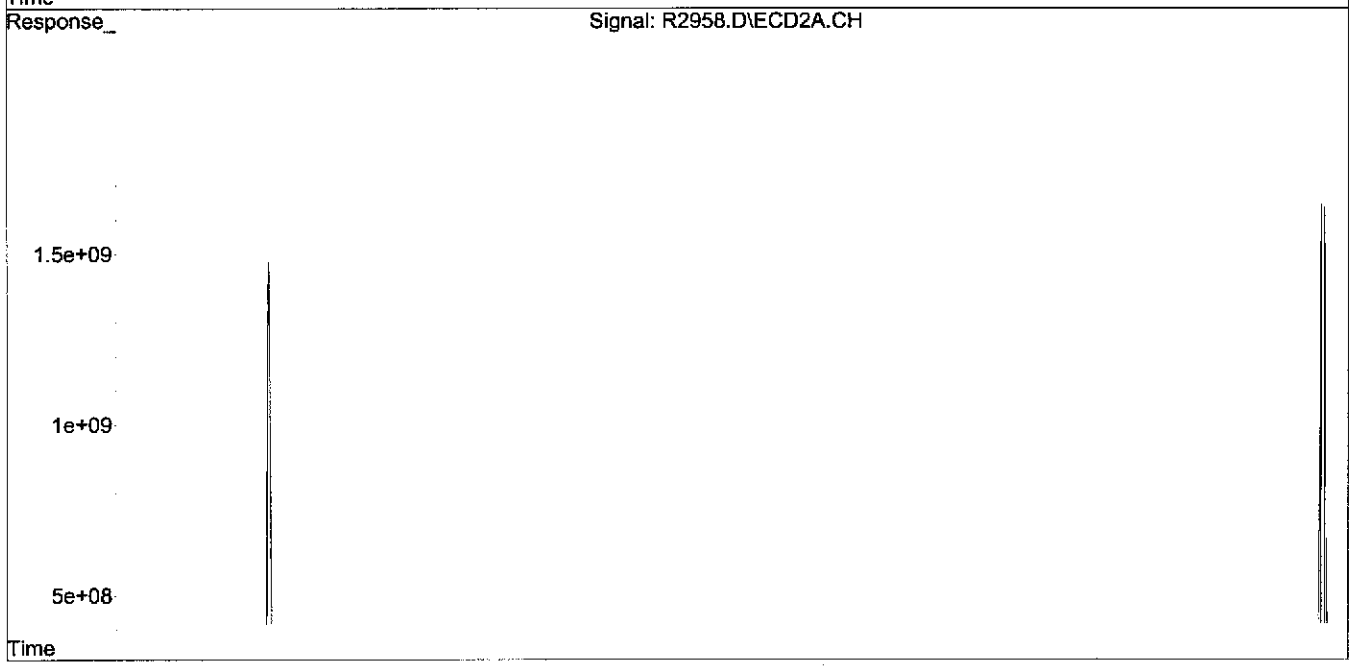
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2958.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 5:47
Operator : YG
Sample : T-11_(0-2.,07662-010,S,5.76g,13.4,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,10
ALS Vial : 32 Sample Multiplier: 1

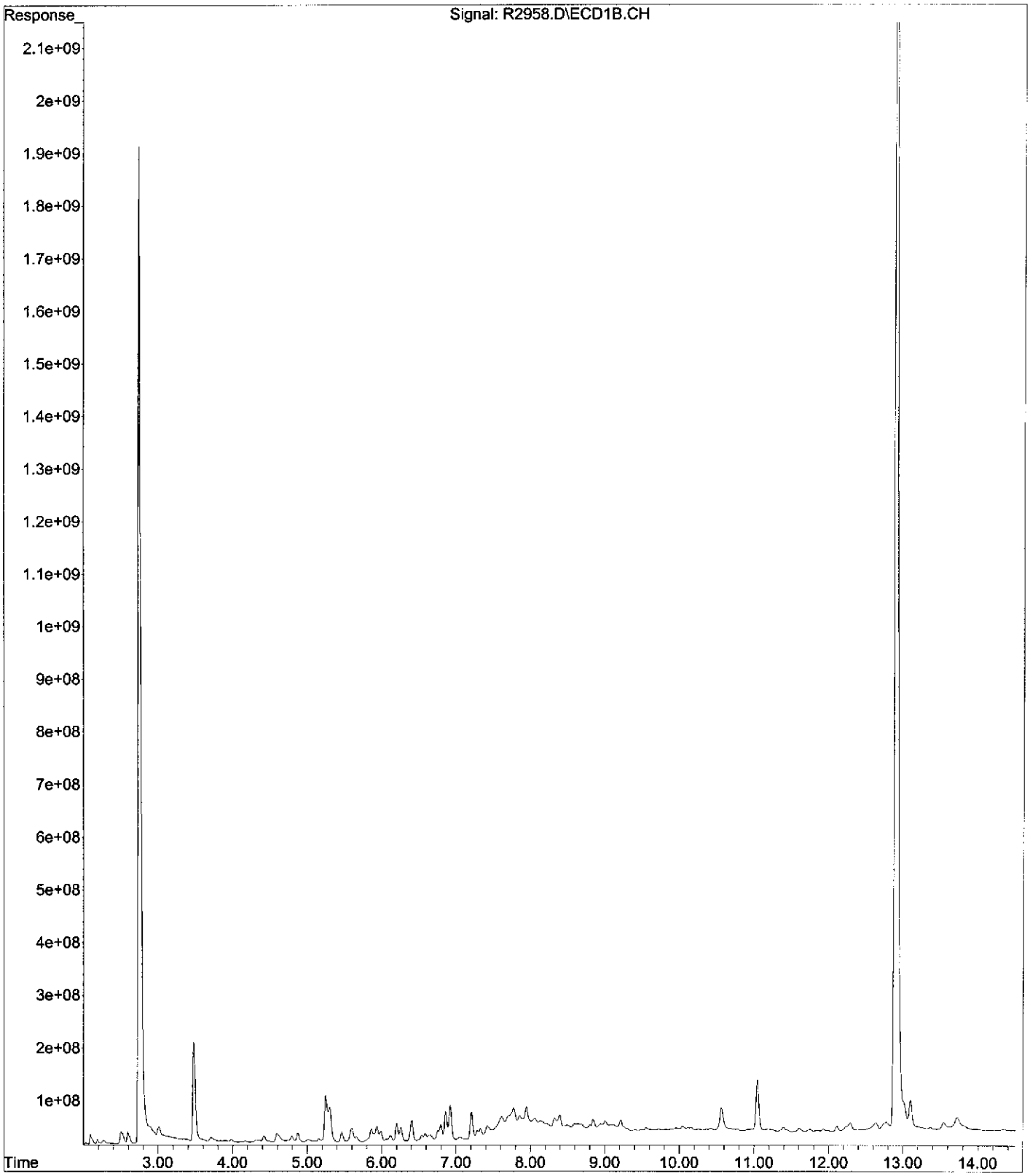
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:50:26 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

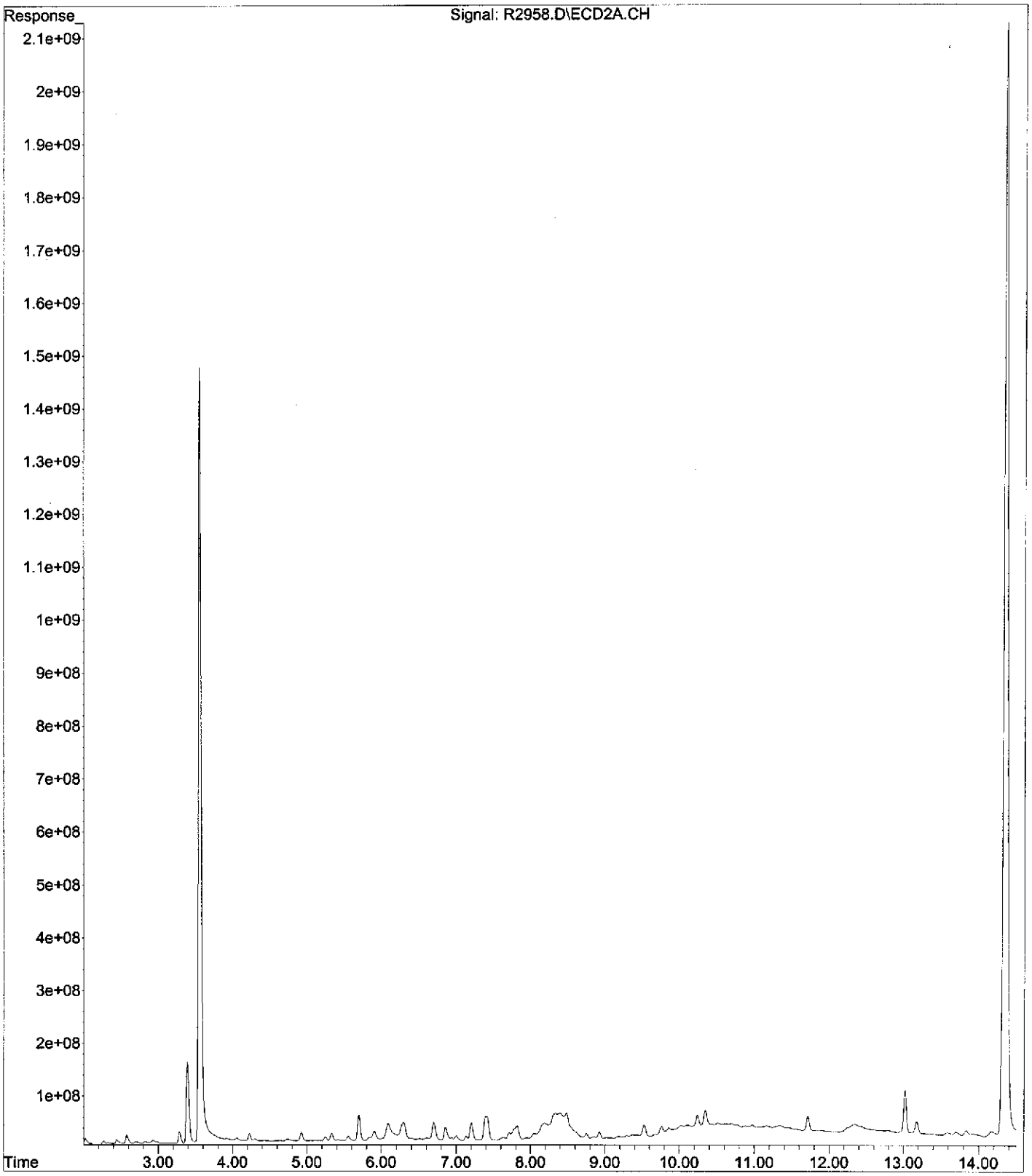




File :C:\MSDChem\1\DATA\08-14-12\R2958.D
Operator : YG
Acquired : 15 Aug 2012 5:47 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: T-11_(0-2.,07662-010,S,5.76g,13.4,08/02/12,4
Misc Info : 120802-10,07/30/12,07/30/12,10
Vial Number: 32



File :C:\MSDChem\1\DATA\08-14-12\R2958.D
Operator : YG
Acquired : 15 Aug 2012 5:47 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: T-11_(0-2.,07662-010,S,5.76g,13.4,08/02/12,4
Misc Info : 120802-10,07/30/12,07/30/12,10
Vial Number: 32



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2959.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 6:05
Operator : YG
Sample : T-11_(2.0-,07662-011,S,5.51g,14.6,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:53:47 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	17957.0E6	23036.2E6	104.512m	160.029 #
Spiked Amount 200.000			Recovery	=	52.26%	80.01%
2) S DCB	13.10	13.17	10614.6E6	6742.5E6	181.837m	168.326
Spiked Amount 200.000			Recovery	=	90.92%	84.16%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

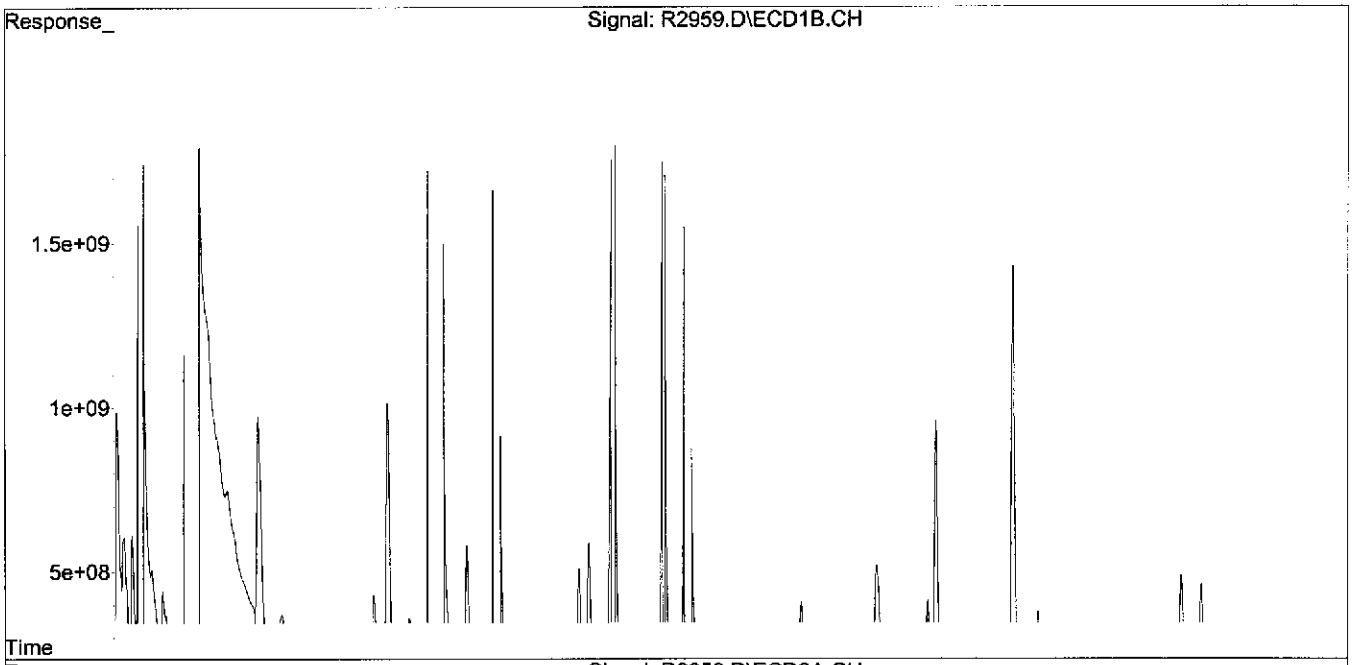
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

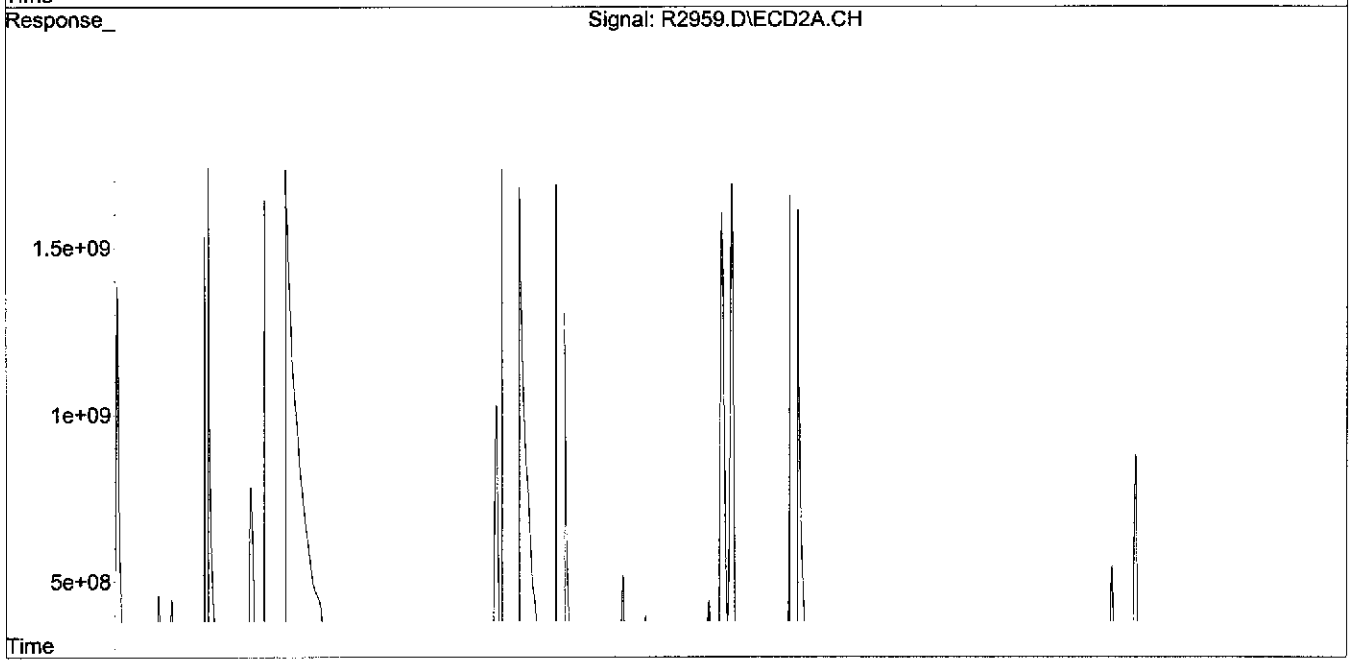
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2959.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 6:05
Operator : YG
Sample : T-11_(2.0-,07662-011,S,5.51g,14.6,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 33 Sample Multiplier: 1

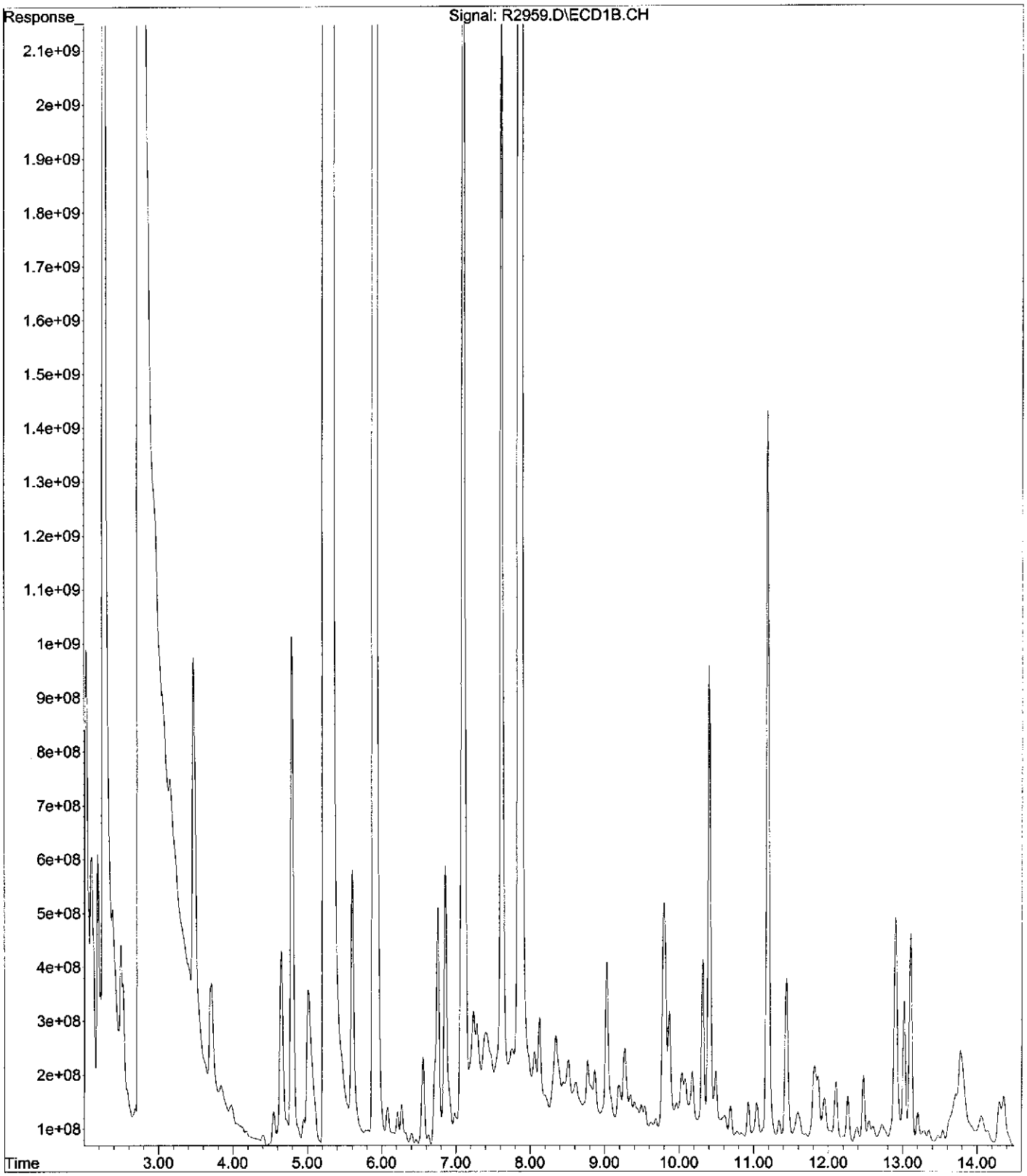
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:53:47 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

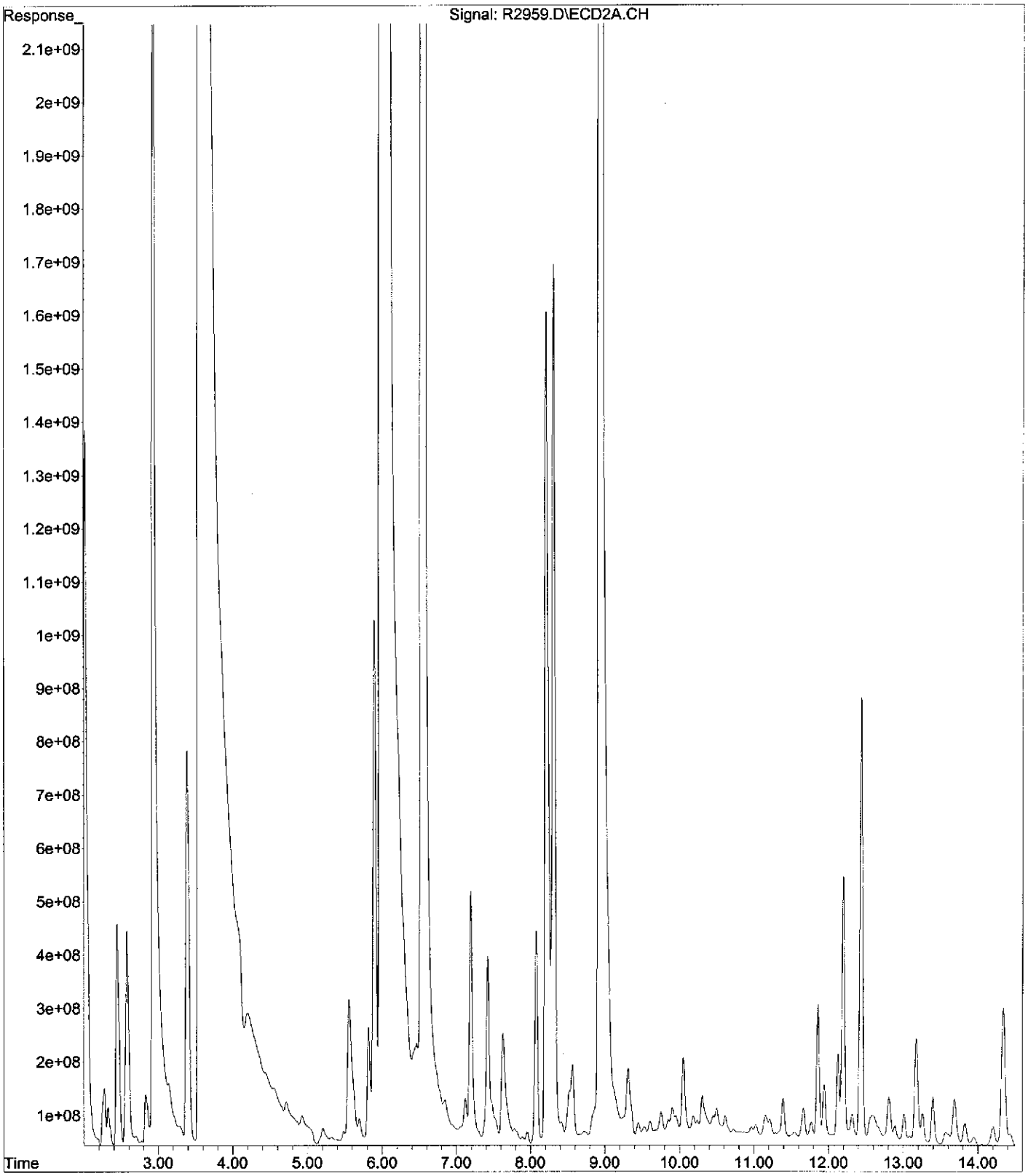




File :C:\MSDChem\1\DATA\08-14-12\R2959.D
Operator : YG
Acquired : 15 Aug 2012 6:05 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: T-11_(2.0-,07662-011,S,5.51g,14.6,08/02/12,4
Misc Info : 120802-10,07/30/12,07/30/12,1
Vial Number: 33



File :C:\MSDChem\1\DATA\08-14-12\R2959.D
Operator : YG
Acquired : 15 Aug 2012 6:05 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: T-11_(2.0-,07662-011,S,5.51g,14.6,08/02/12,4
Misc Info : 120802-10,07/30/12,07/30/12,1
Vial Number: 33



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2960.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 6:22
Operator : YG
Sample : T-11_(4.0-,07662-012,S,5.42g,64.8,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:54:15 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	3.38	29921.1E6	29024.5E6	174.144	201.629
Spiked Amount 200.000			Recovery	=	87.07%	100.81%
2) S DCB	13.10	13.18	10360.3E6	6686.9E6	177.482m	166.940m
Spiked Amount 200.000			Recovery	=	88.74%	83.47%
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

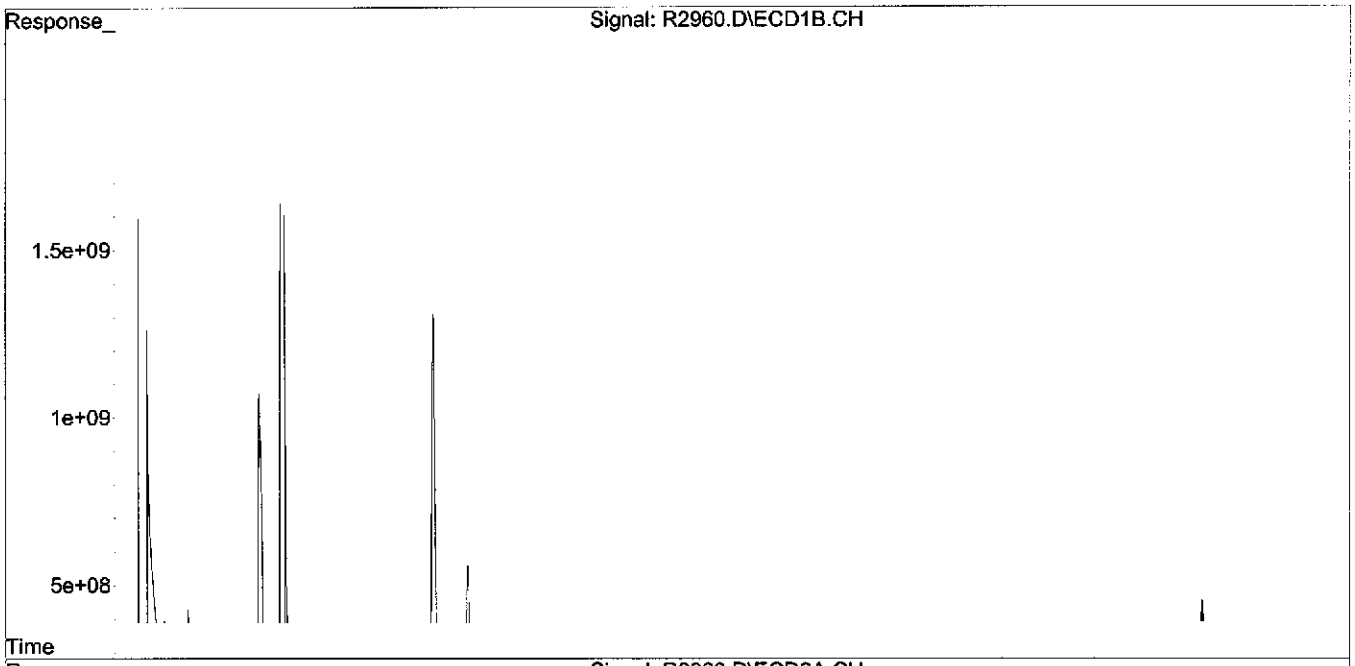
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

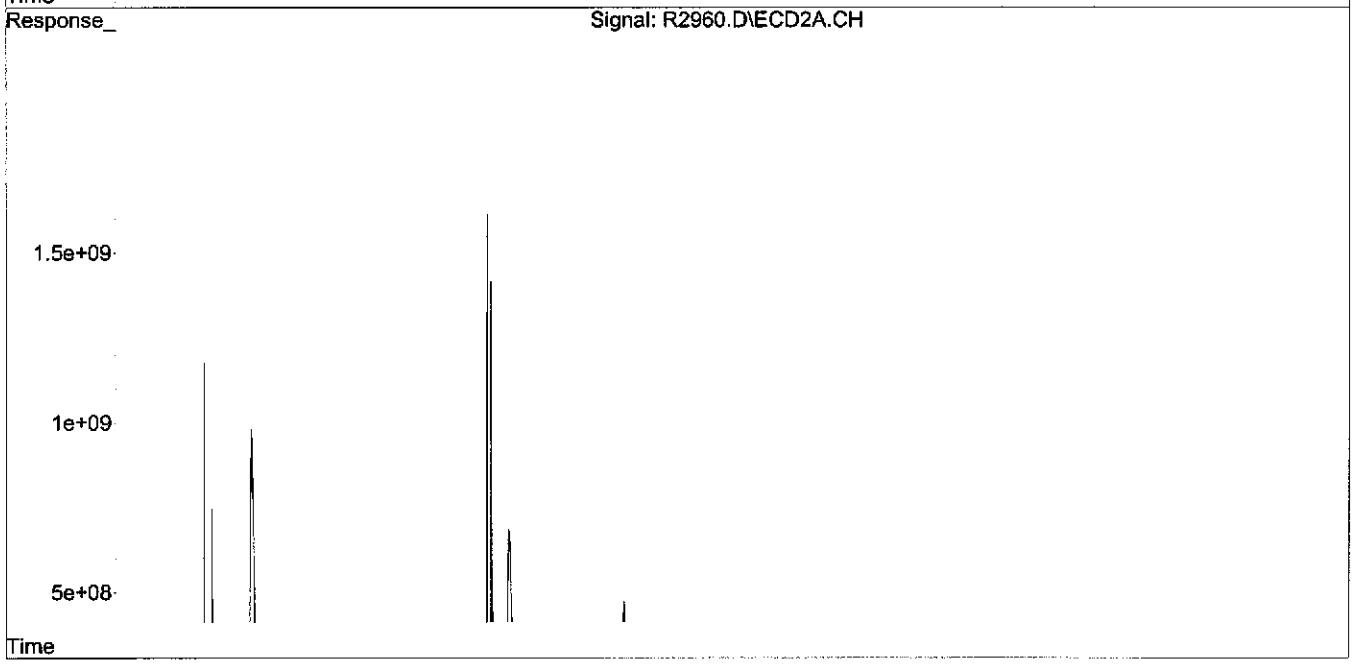
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2960.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 6:22
Operator : YG
Sample : T-11_(4.0-,07662-012,S,5.42g,64.8,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 34 Sample Multiplier: 1

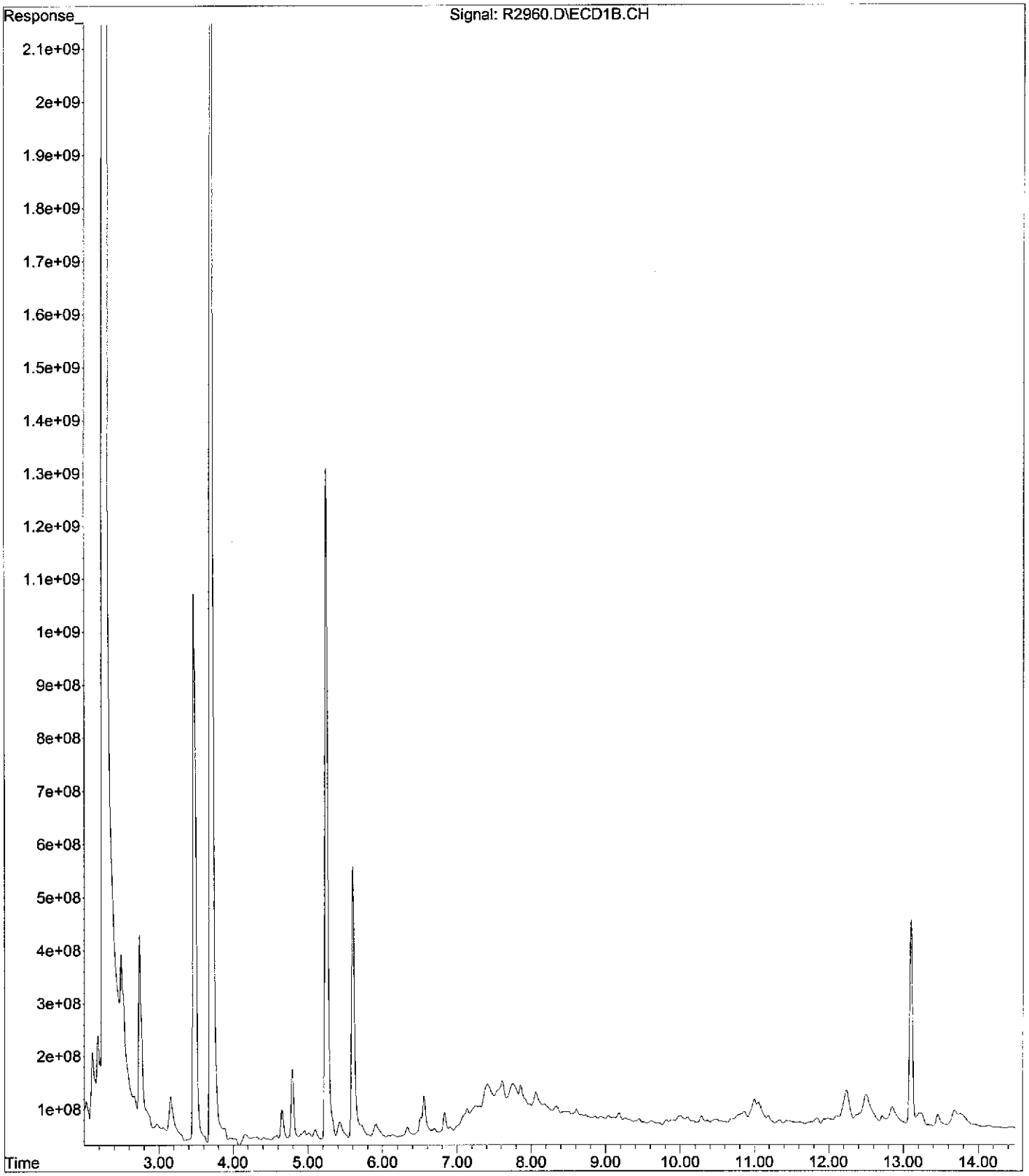
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:54:15 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

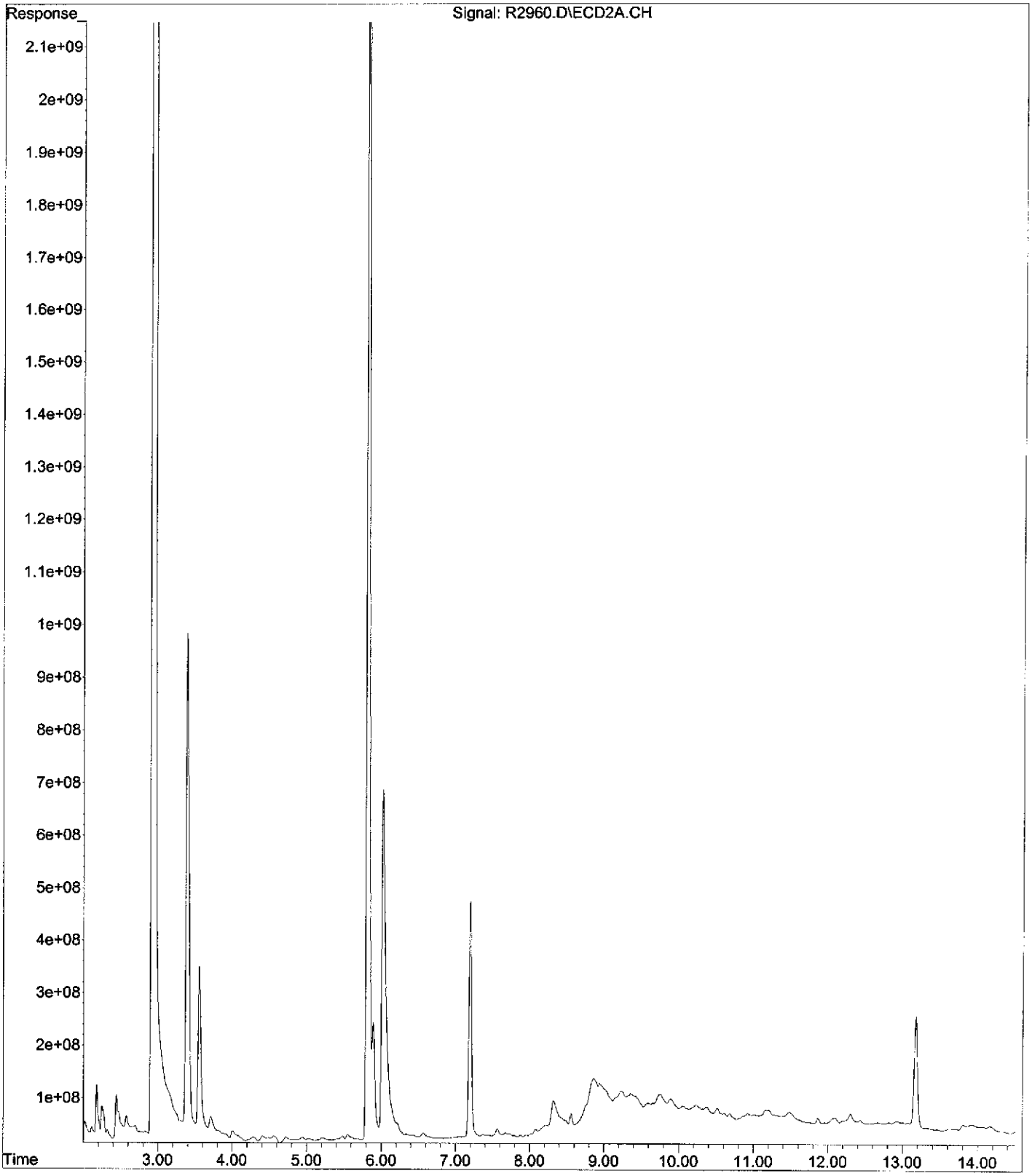




File :C:\MSDChem\1\DATA\08-14-12\R2960.D
Operator : YG
Acquired : 15 Aug 2012 6:22 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: T-11_(4.0-,07662-012,S,5.42g,64.8,08/02/12,4
Misc Info : 120802-10,07/30/12,07/30/12,1
Vial Number: 34



File :C:\MSDChem\1\DATA\08-14-12\R2960.D
Operator : YG
Acquired : 15 Aug 2012 6:22 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: T-11_(4.0-,07662-012,S,5.42g,64.8,08/02/12,4
Misc Info : 120802-10,07/30/12,07/30/12,1
Vial Number: 34



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2961.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 6:40
Operator : YG
Sample : T-11_(4.75,07662-013,S,5.43g,22.2,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:55:07 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	32002.0E6	28022.3E6	186.255	194.667
Spiked Amount 200.000			Recovery	=	93.13%	97.33%
2) S DCB	13.10	13.17	8030.8E6	5099.6E6	137.574m	127.313m
Spiked Amount 200.000			Recovery	=	68.79%	63.66%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

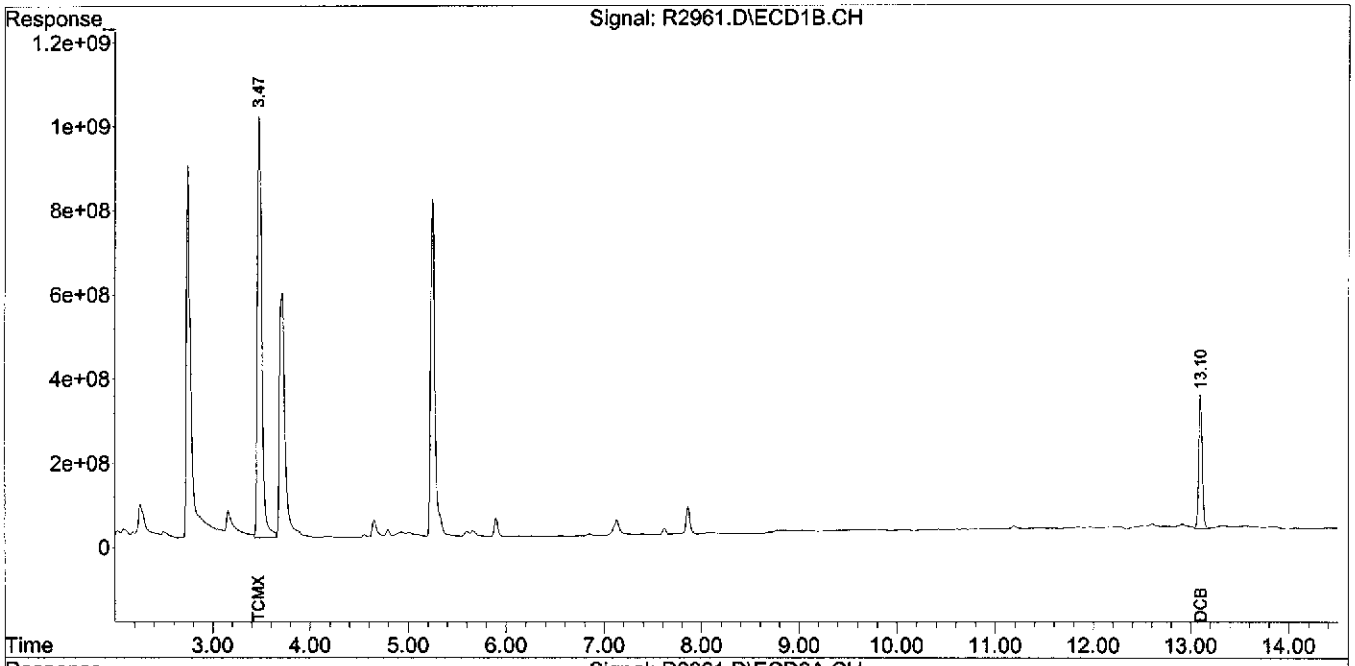
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

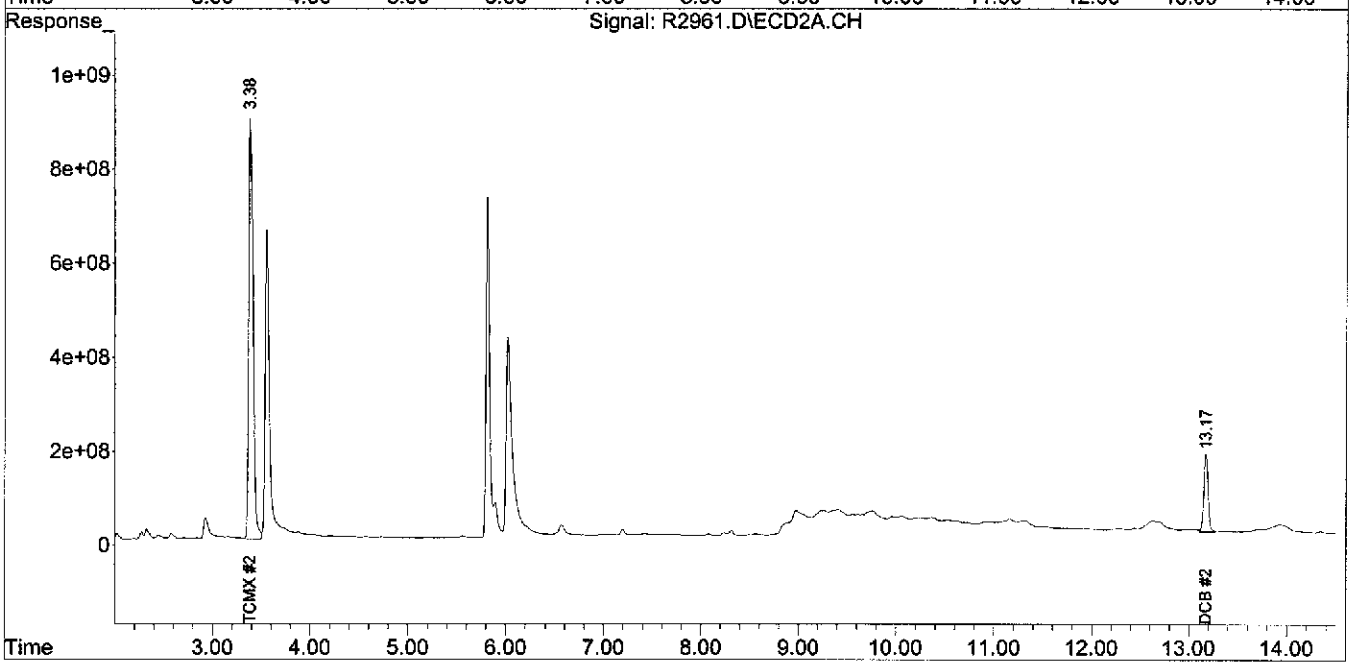
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2961.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 6:40
Operator : YG
Sample : T-11_(4.75,07662-013,S,5.43g,22.2,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:55:07 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 : R2962.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 6:57
Operator : YG
Sample : R-11_(0-2.,07662-014,S,5.77g,15.2,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:55:46 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	3.38	30464.0E6	27681.4E6	177.304	192.299
Spiked Amount 200.000			Recovery	=	88.65%	96.15%
2) S DCB	13.10	13.17	8478.7E6	4791.7E6	145.247m	119.626m
Spiked Amount 200.000			Recovery	=	72.62%	59.81%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.30	5.69	13802.1E6	10631.7E6	1811.942m	1903.738m
24) L6 Aroclor-1248 {2}	5.86	6.29	4861.5E6	11281.2E6	1133.215	1412.733
25) L6 Aroclor-1248 {3}	6.20	6.70	5157.3E6	6659.0E6	938.877	1115.736
26) L6 Aroclor-1248 {4}	6.92	6.85	14003.3E6	5575.6E6	1643.546	1091.952 #
27) L6 Aroclor-1248 {5}	7.20	7.21	11188.4E6	4705.5E6	1562.851	1629.395
Sum Aroclor-1248			49012.6E6	38853.0E6	7090.431	7153.554
Average Aroclor-1248					1418.086	1430.711
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

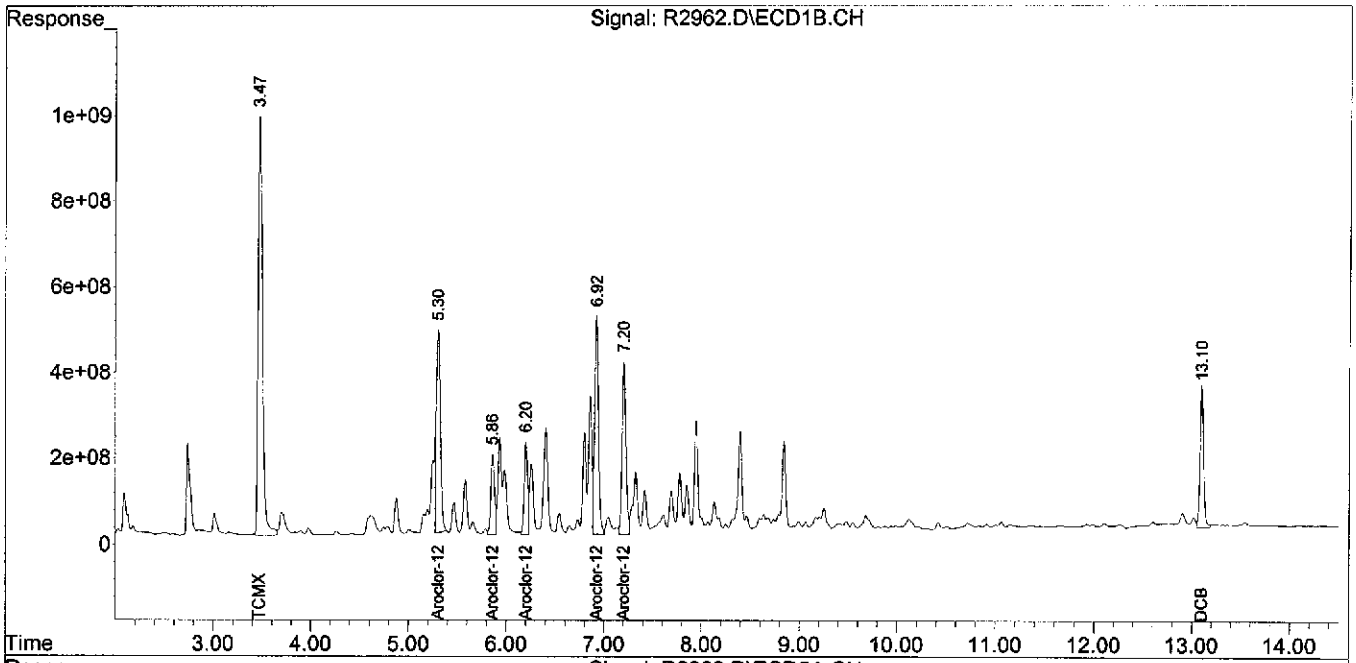
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

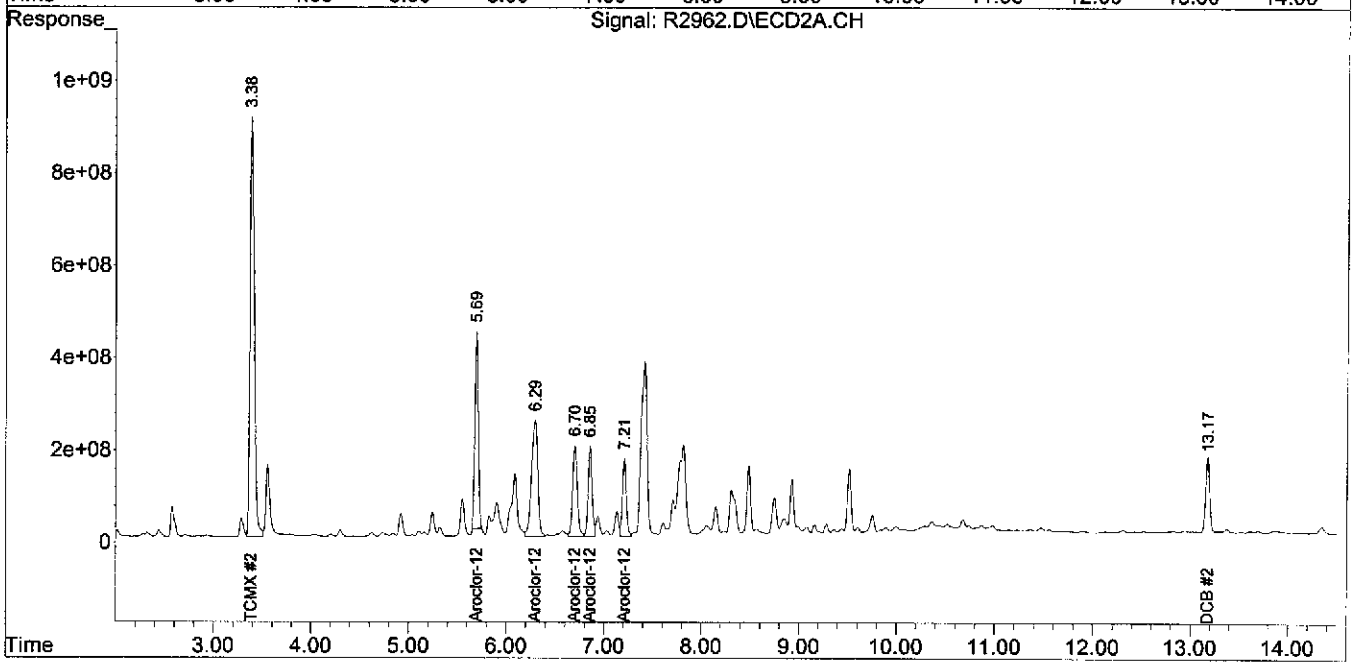
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2962.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 6:57
Operator : YG
Sample : R-11_(0-2.,07662-014,S,5.77g,15.2,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:55:46 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\08-15-12\
Data File : R3002.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 20:06
Operator : YG
Sample : R-11_(2.0-,07662-015,S,5.28g,15.4,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,10
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 11:10:00 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	2530.0E6	3078.5E6	14.725	21.386m#
Spiked Amount 200.000			Recovery	=	7.36%	10.69%
2) S DCB	13.10	13.17	1176.1E6	660.9E6	20.148m	16.499m
Spiked Amount 200.000			Recovery	=	10.07%	8.25%
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
18) L5 Aroclor-1242	4.88	5.32	6134.8E6	1796.5E6	1701.800m	1035.523 #
19) L5 Aroclor-1242 {2}	5.86	6.09	4244.9E6	4663.3E6	1842.180m	1587.521m
20) L5 Aroclor-1242 {3}	6.20	6.70	3945.2E6	5046.6E6	1213.449	1285.240
21) L5 Aroclor-1242 {4}	6.92	6.85	5547.7E6	4171.8E6	1186.356	1263.285
22) L5 Aroclor-1242 {5}	7.21	7.40	5904.4E6	3568.7E6	1333.762	1158.294m
Sum Aroclor-1242			25777.1E6	19247.0E6	7277.547	6329.863
Average Aroclor-1242					1455.509	1265.973
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

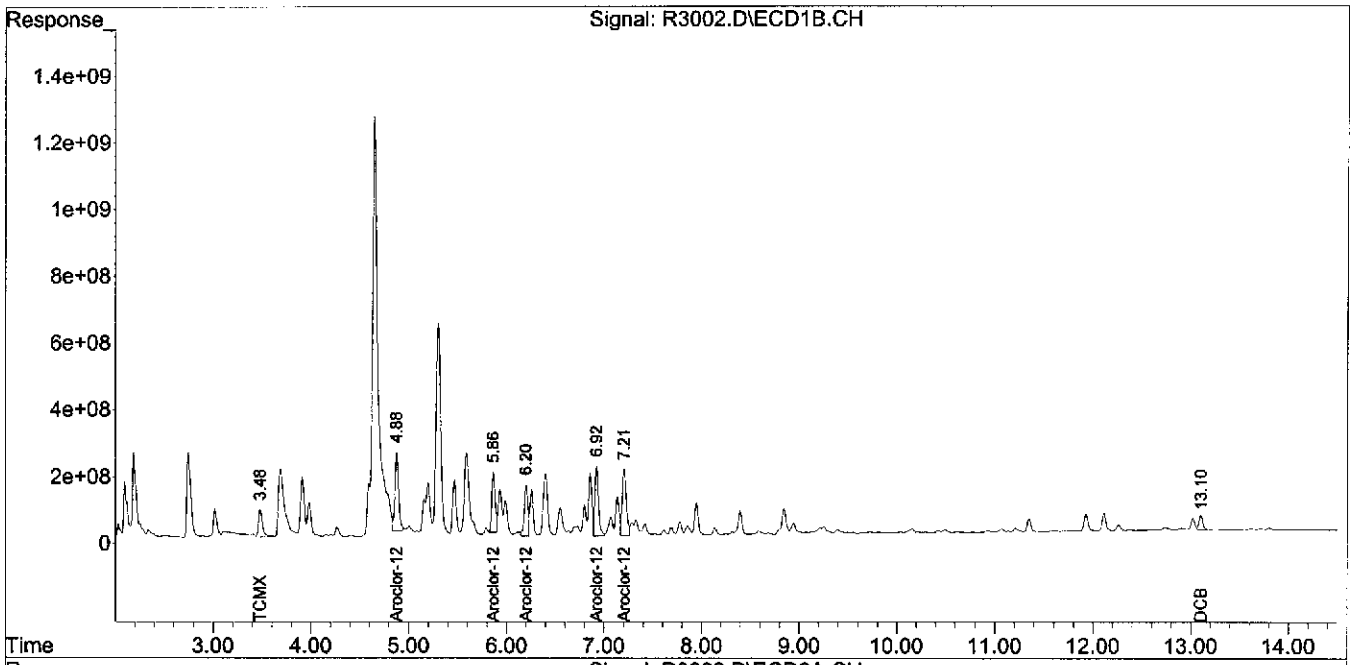
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

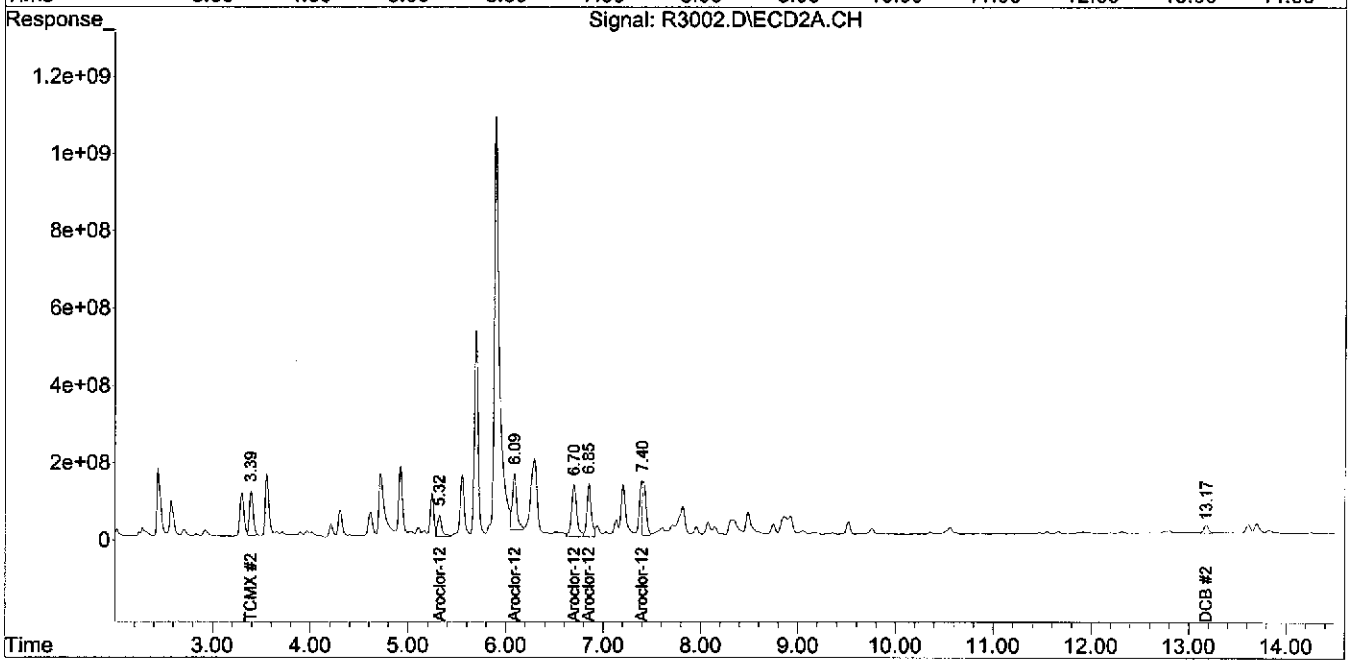
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : R3002.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 20:06
Operator : YG
Sample : R-11_(2.0-,07662-015,S,5.28g,15.4,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,10
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 11:10:00 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 : R2964.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 7:32
Operator : YG
Sample : R-11_(4.0-,07662-016,S,5.45g,64.0,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:56:24 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	3.38	37465.9E6	32681.2E6	218.056	227.032
Spiked Amount 200.000			Recovery	=	109.03%	113.52%
2) S DCB	13.10	13.18	9529.3E6	6174.2E6	163.246m	154.139m
Spiked Amount 200.000			Recovery	=	81.62%	77.07%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

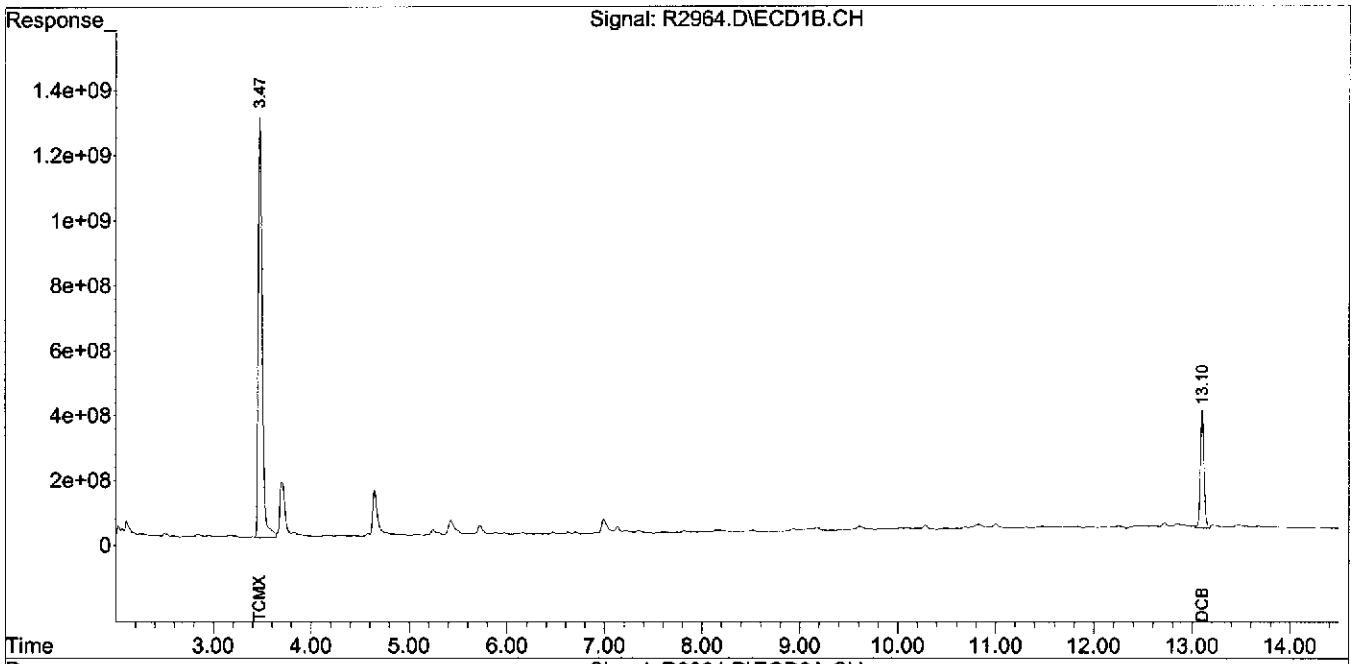
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

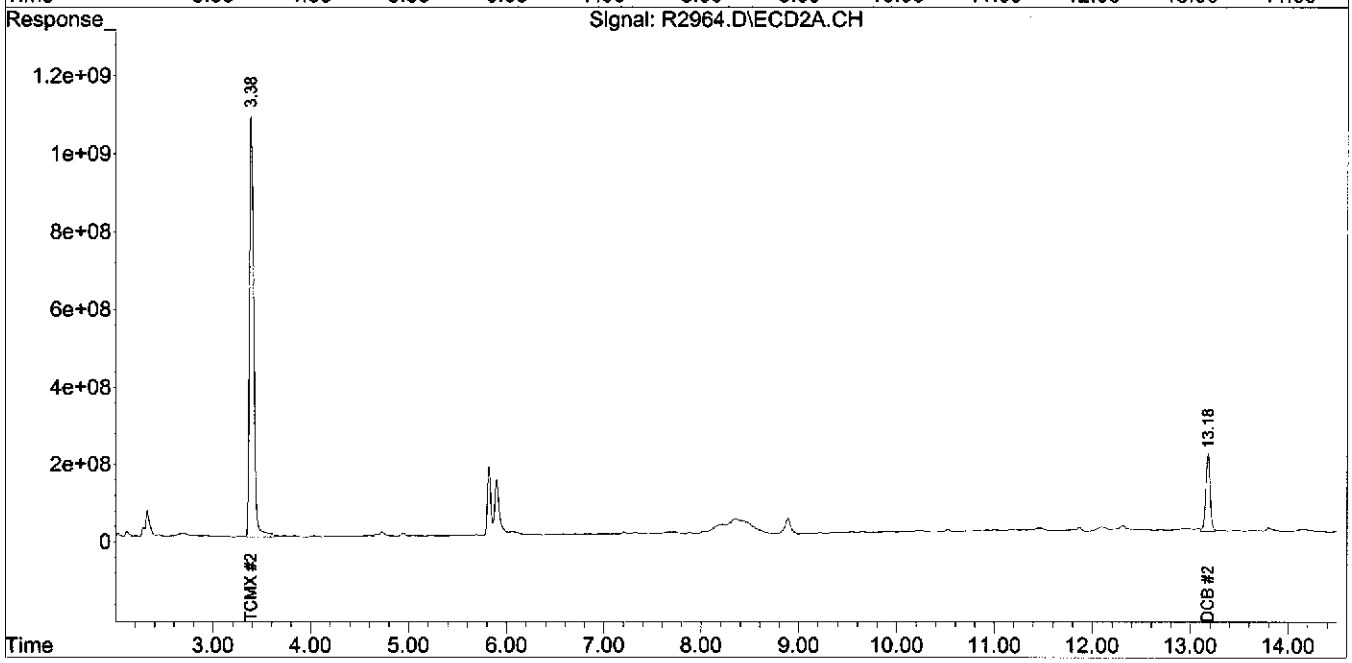
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2964.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 7:32
Operator : YG
Sample : R-11_(4.0-,07662-016,S,5.45g,64.0,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:56:24 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 : R2965.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 7:50
Operator : YG
Sample : R-11_(5.25,07662-017,S,5.78g,19.8,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:56:49 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	34561.4E6	30026.2E6	201.152	208.588
Spiked Amount 200.000			Recovery	=	100.58%	104.29%
2) S DCB	13.10	13.17	7753.0E6	5052.0E6	132.815m	126.123m
Spiked Amount 200.000			Recovery	=	66.41%	63.06%
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
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

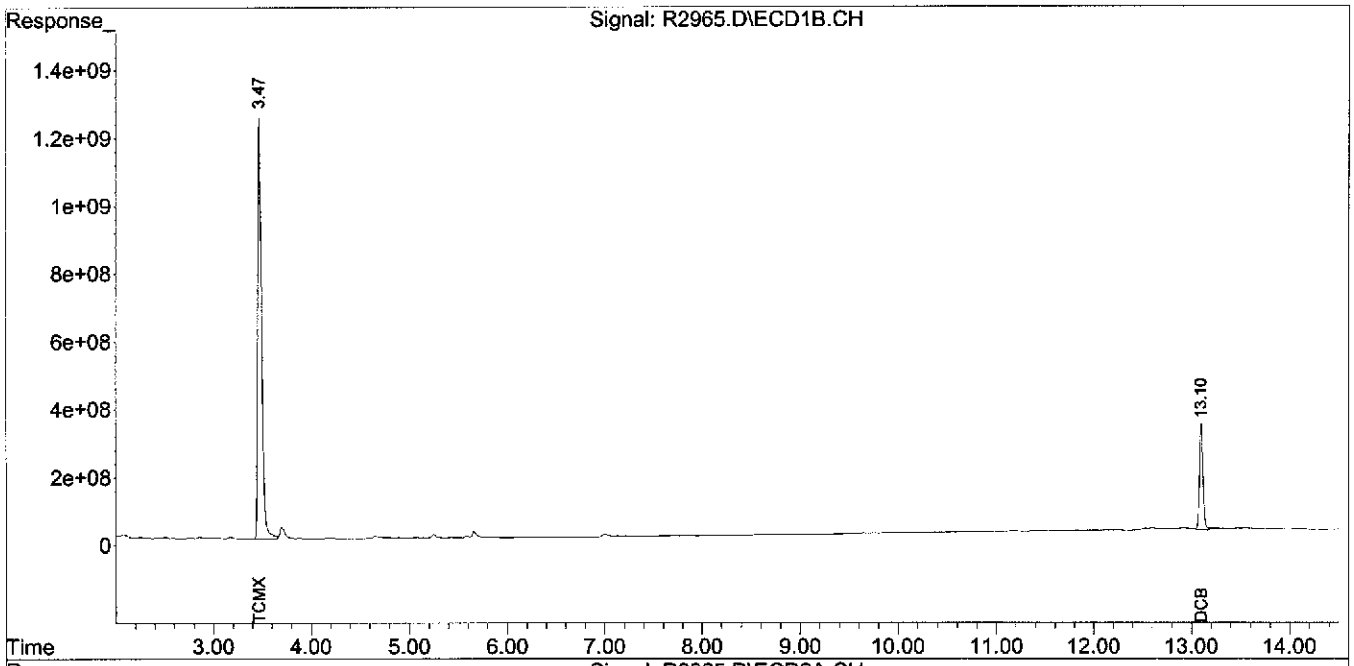
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

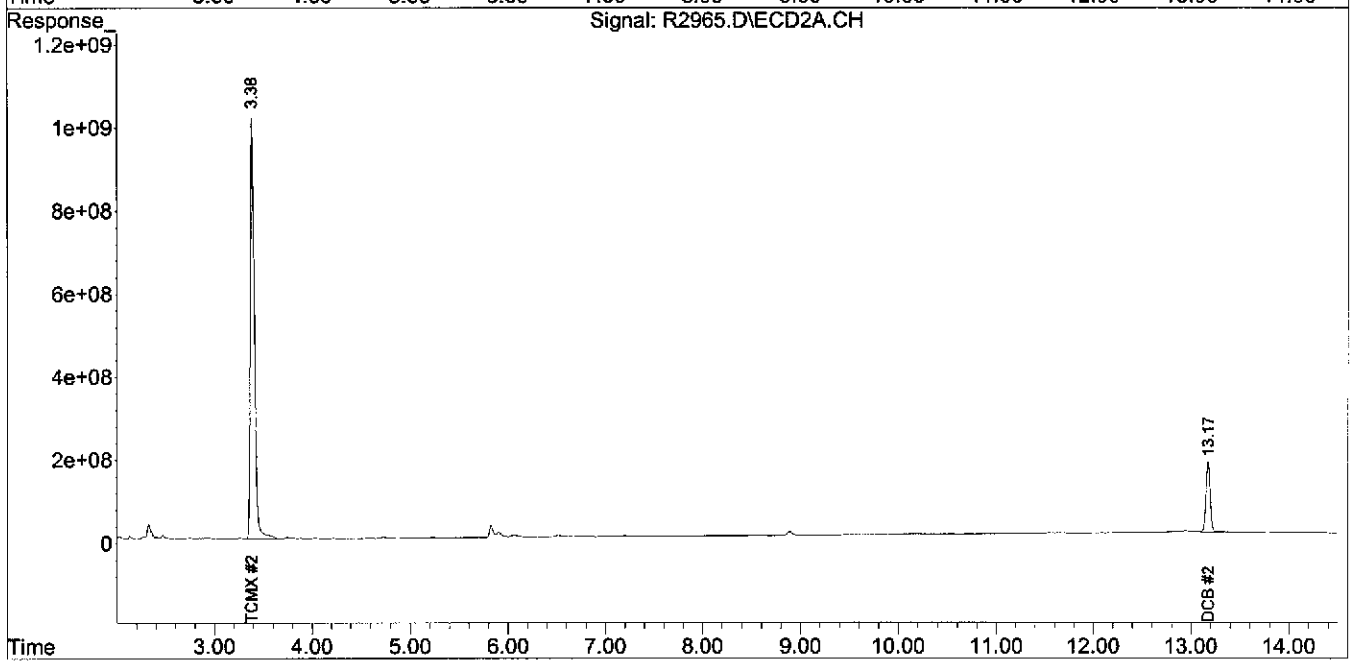
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2965.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 7:50
Operator : YG
Sample : R-11_(5.25,07662-017,S,5.78g,19.8,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:56:49 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 :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2966.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 8:07
Operator : YG
Sample : Q-11_(0-2.,07662-018,S,5.28g,13.4,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:57:59 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	25828.5E6	26019.4E6	150.325m	180.753m
Spiked Amount 200.000			Recovery	=	75.16%	90.38%
2) S DCB	13.10	13.17	7445.0E6	4901.3E6	127.539m	122.362m
Spiked Amount 200.000			Recovery	=	63.77%	61.18%
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	13191.2E6	9991.3E6	1731.745	1789.052m
24) L6 Aroclor-1248 {2}	5.86	6.29	7751.3E6	14033.9E6	1806.854	1757.459m
25) L6 Aroclor-1248 {3}	6.20	6.70	7476.6E6	9644.4E6	1361.112	1615.954m
26) L6 Aroclor-1248 {4}	6.92	6.86	16628.0E6	9635.4E6	1951.603m	1887.047m
27) L6 Aroclor-1248 {5}	7.20	7.21	12177.3E6	5662.9E6	1700.988	1960.917m
Sum Aroclor-1248			57224.5E6	48967.9E6	8552.301	9010.429
Average Aroclor-1248					1710.460	1802.086
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

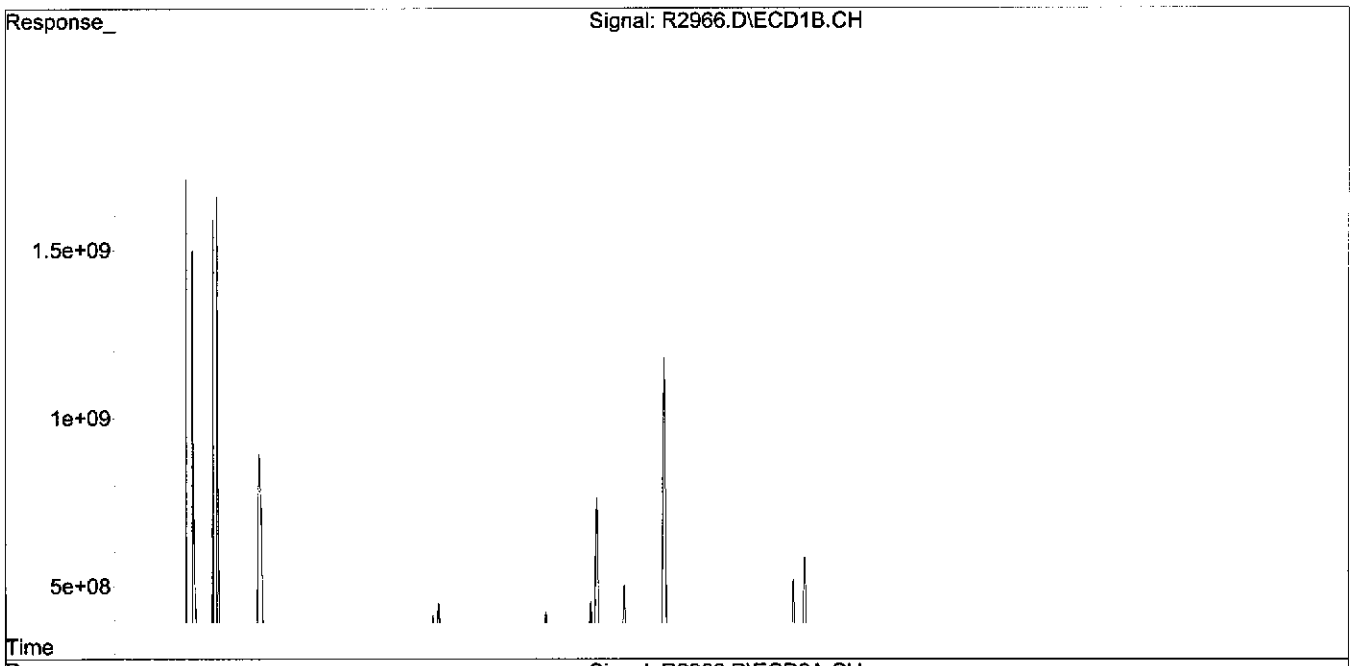
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

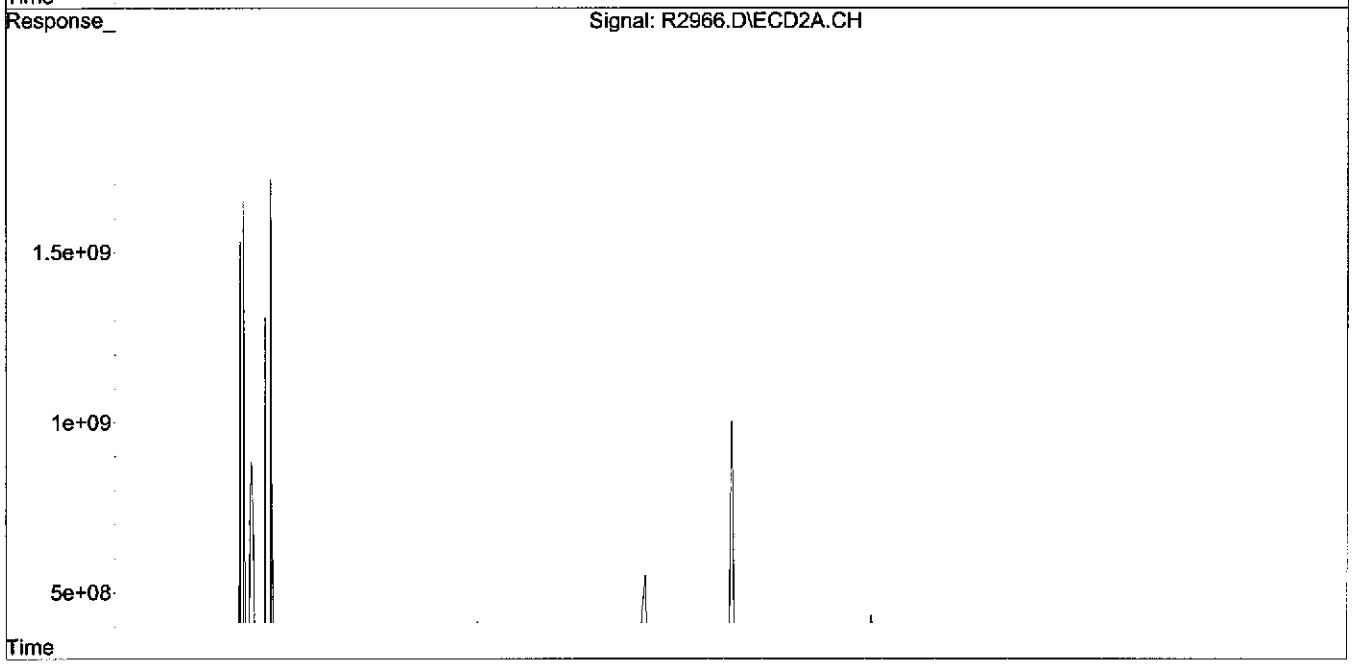
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2966.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 8:07
Operator : YG
Sample : Q-11_(0-2.,07662-018,S,5.28g,13.4,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 40 Sample Multiplier: 1

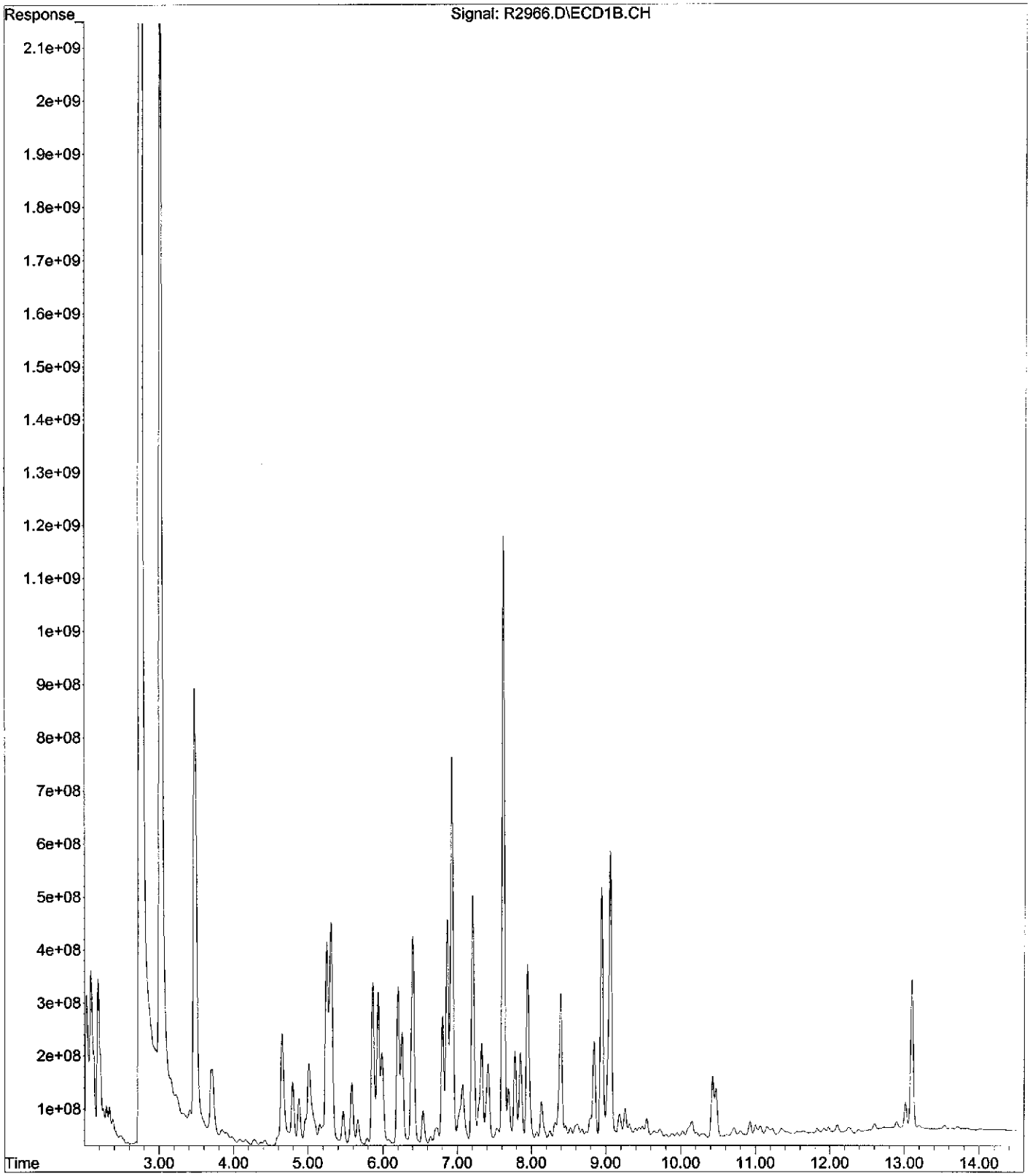
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:57:59 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

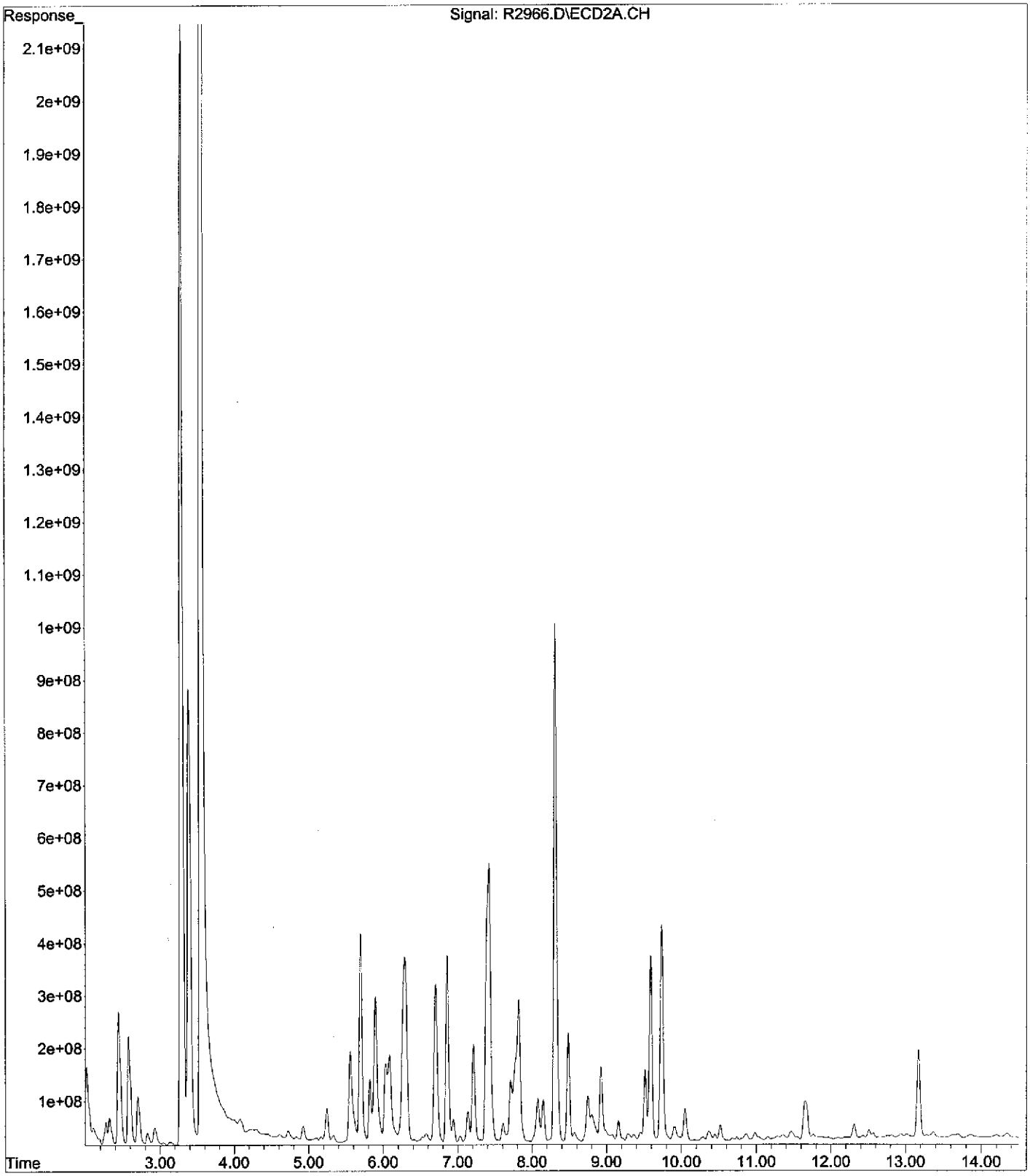




File :C:\MSDChem\1\DATA\08-14-12\R2966.D
Operator : YG
Acquired : 15 Aug 2012 8:07 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: Q-11_(0-2.,07662-018,S,5.28g,13.4,08/02/12,4
Misc Info : 120802-10,07/30/12,07/30/12,1
Vial Number: 40



File :C:\MSDChem\1\DATA\08-14-12\R2966.D
Operator : YG
Acquired : 15 Aug 2012 8:07 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: Q-11_(0-2.,07662-018,S,5.28g,13.4,08/02/12,4
Misc Info : 120802-10,07/30/12,07/30/12,1
Vial Number: 40



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2967.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 8:25
Operator : YG
Sample : Q-11_(2.0-,07662-019,S,5.43g,10.0,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:58:29 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	32761.6E6	27971.4E6	190.677	194.314
Spiked Amount 200.000			Recovery	=	95.34%	97.16%
2) S DCB	13.10	13.18	6765.6E6	4716.6E6	115.901m	117.750m
Spiked Amount 200.000			Recovery	=	57.95%	58.88%
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

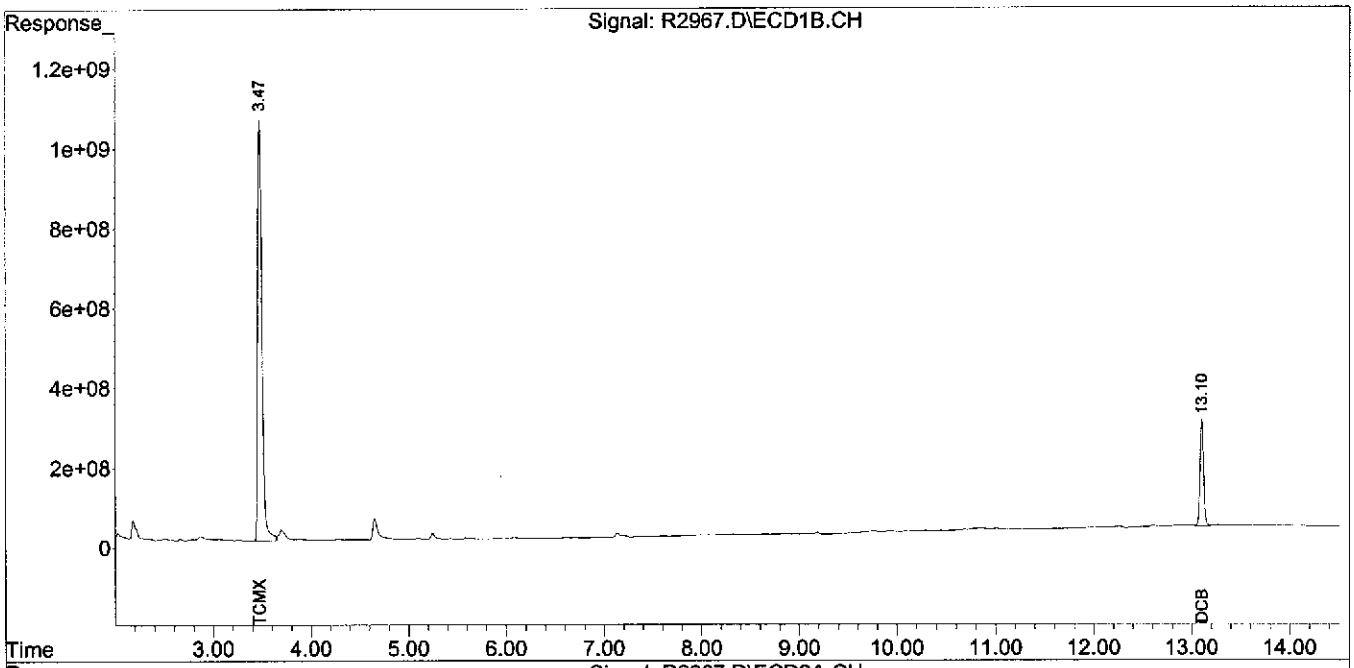
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

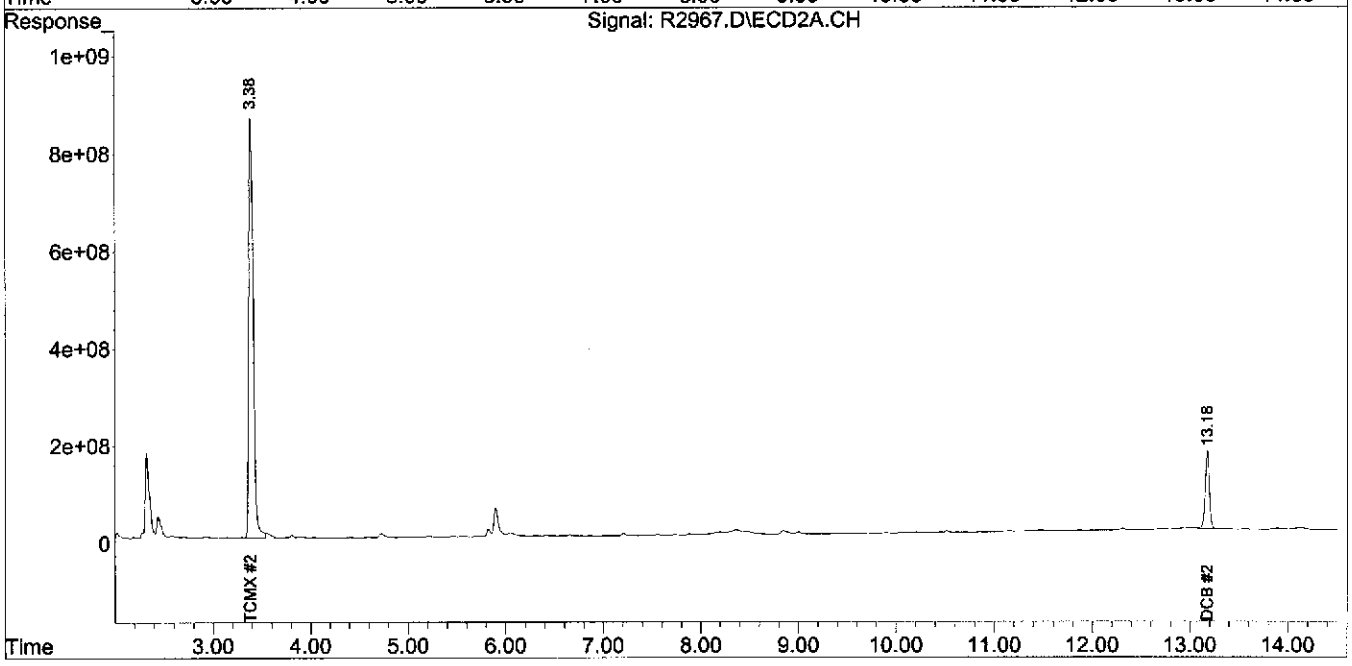
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2967.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 8:25
Operator : YG
Sample : Q-11_(2.0-,07662-019,S,5.43g,10.0,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:58:29 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 : R2968.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 8:42
Operator : YG
Sample : Q-11_(4.25,07662-020,S,5.36g,65.5,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:59:05 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	35144.9E6	31587.7E6	204.547	219.435
Spiked Amount 200.000			Recovery	=	102.27%	109.72%
2) S DCB	13.10	13.17	8150.9E6	5456.8E6	139.632m	136.229m
Spiked Amount 200.000			Recovery	=	69.82%	68.11%
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
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

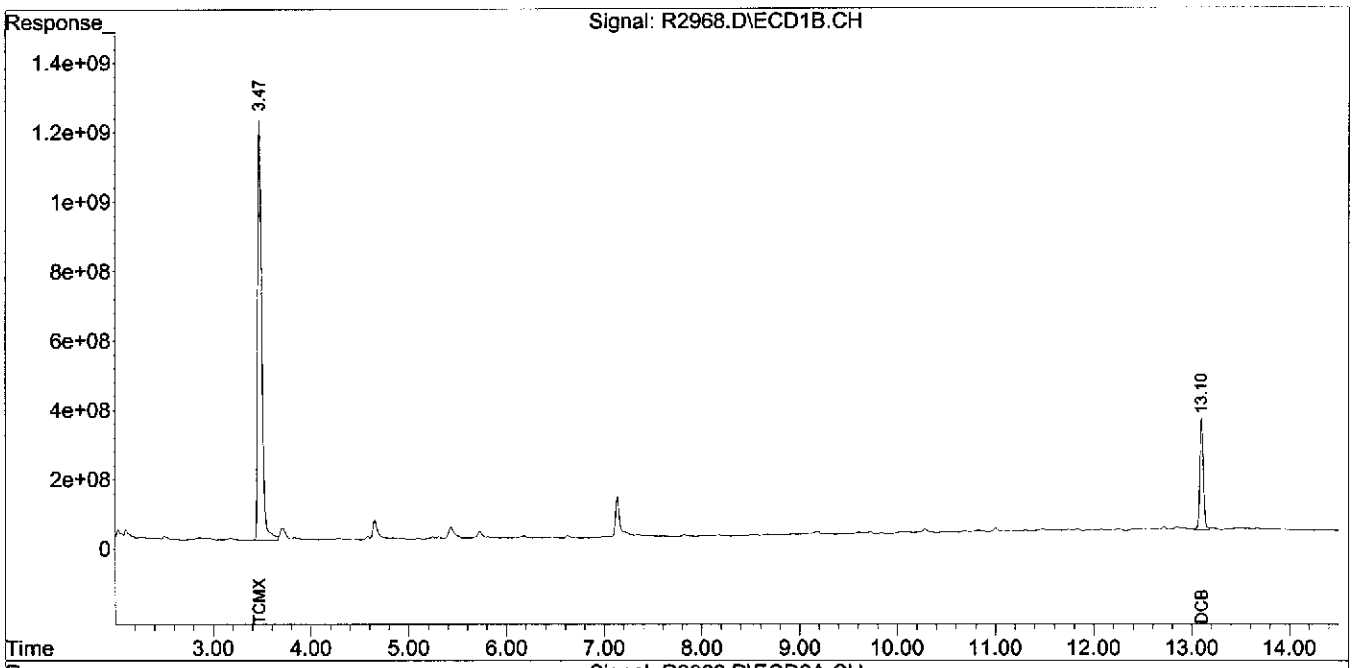
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

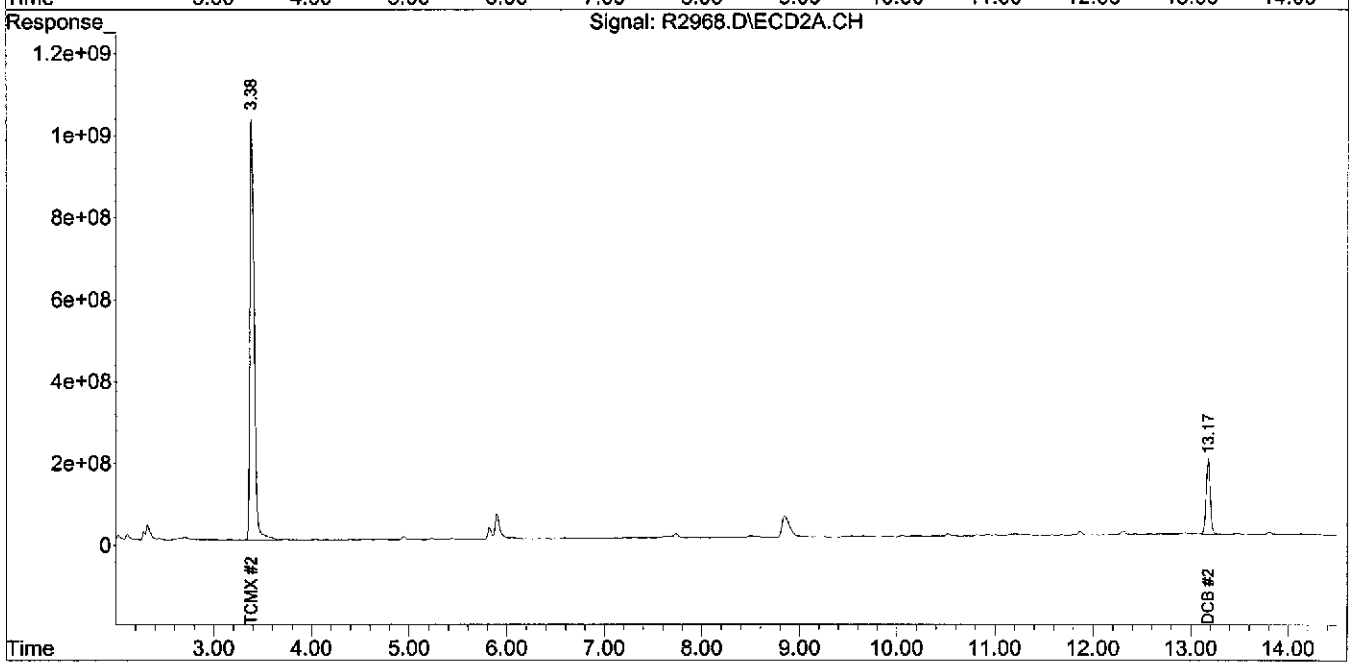
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2968.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 8:42
Operator : YG
Sample : Q-11_(4.25,07662-020,S,5.36g,65.5,08/02/12,4
Misc : 120802-10,07/30/12,07/30/12,1
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 10:59:05 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\08-13-12\
Data File : R2878.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 4:30
Operator : YG
Sample : Q-11_(5.25,07662-021,S,5.41g,19.9,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:23:27 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	38294.2E6	30675.1E6	222.877	213.096
Spiked Amount 200.000			Recovery	=	111.44%	106.55%
2) S DCB	13.10	13.18	8776.2E6	5901.7E6	150.345m	147.336m
Spiked Amount 200.000			Recovery	=	75.17%	73.67%
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

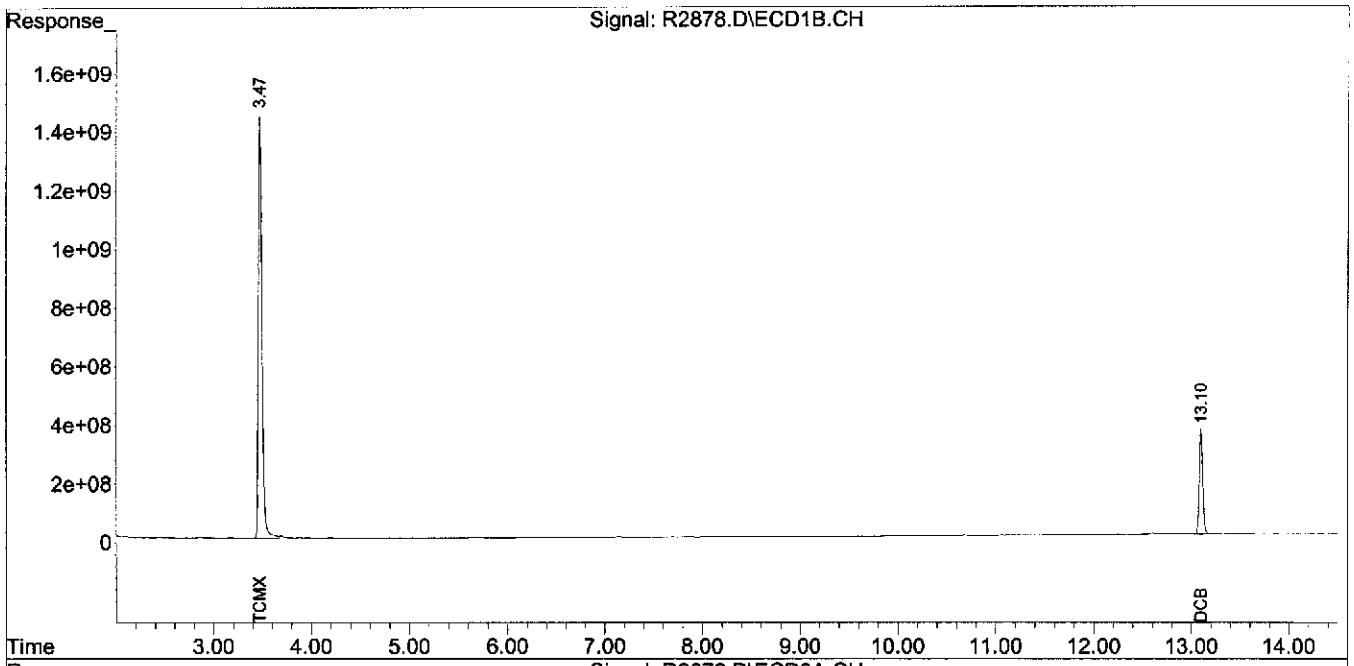
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

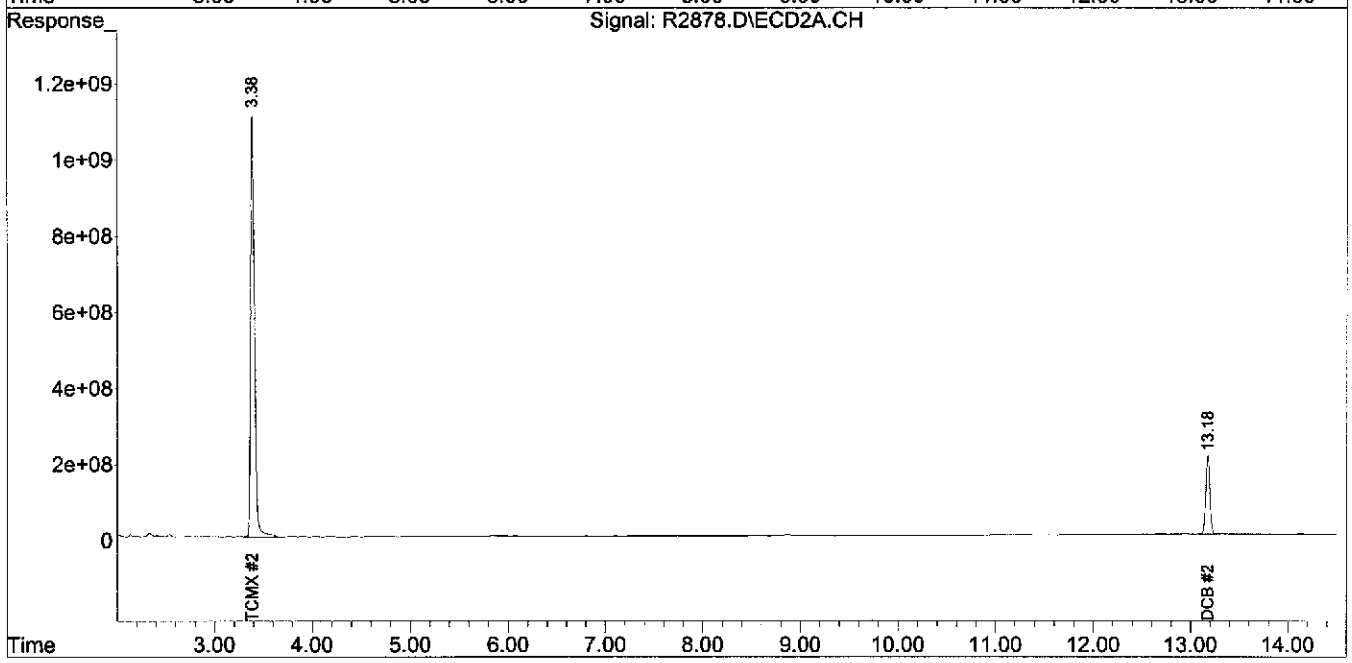
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-13-12\
Data File : R2878.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 4:30
Operator : YG
Sample : Q-11_(5.25,07662-021,S,5.41g,19.9,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:23:27 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 : R2932.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 21:04
Operator : YG
Sample : O-14_(0-2.,07662-022,S,5.07g,25.9,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,2
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 12:10:44 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	3.39	14301.0E6	14226.2E6	83.234	98.828
Spiked Amount 200.000			Recovery	=	41.62%	49.41%
2) S DCB	13.10	13.17	4394.7E6	3202.2E6	75.286m	79.943m
Spiked Amount 200.000			Recovery	=	37.64%	39.97%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.31	5.69	14155.1E6	10920.3E6	1858.275	1955.412
24) L6 Aroclor-1248 {2}	5.86	6.29	6098.1E6	14573.4E6	1421.476	1825.018 #
25) L6 Aroclor-1248 {3}	6.20	6.70	5551.3E6	7267.0E6	1010.610	1217.615
26) L6 Aroclor-1248 {4}	6.92	6.85	11222.7E6	6259.6E6	1317.192	1225.910
27) L6 Aroclor-1248 {5}	7.20	7.21	7713.1E6	3632.0E6	1077.404	1257.665
Sum Aroclor-1248			44740.3E6	42652.3E6	6684.957	7481.620
Average Aroclor-1248					1336.991	1496.324
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

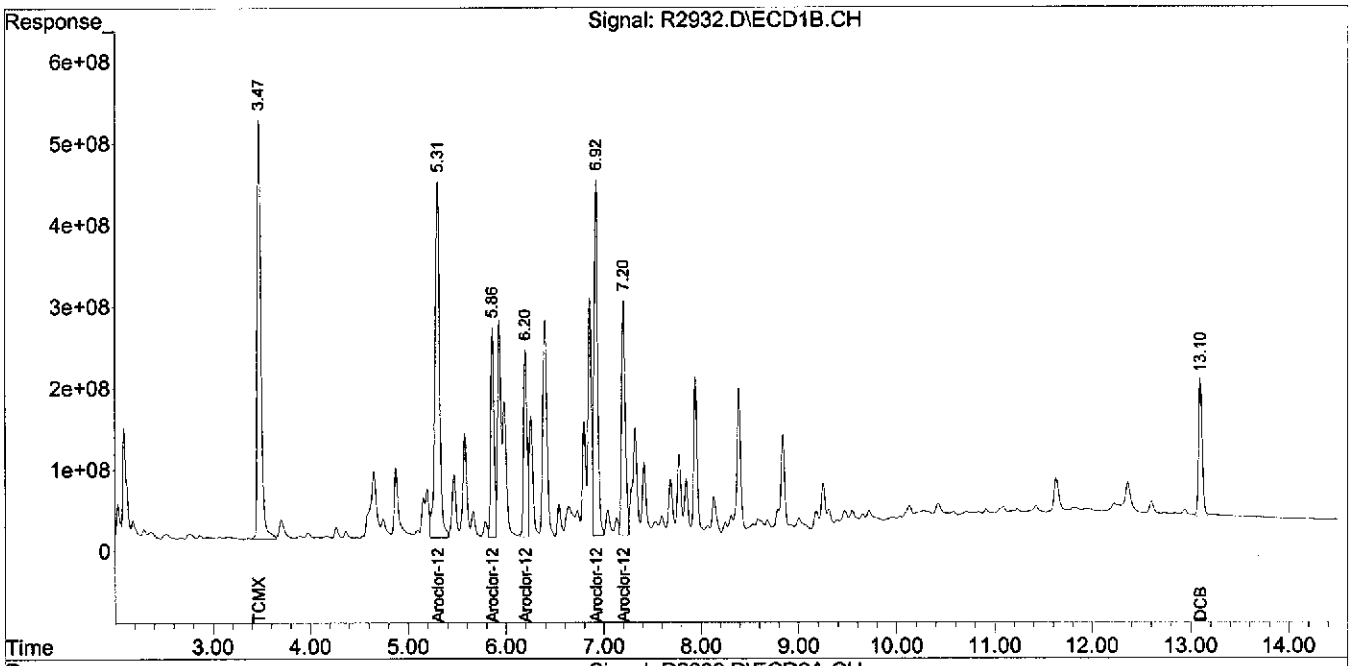
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

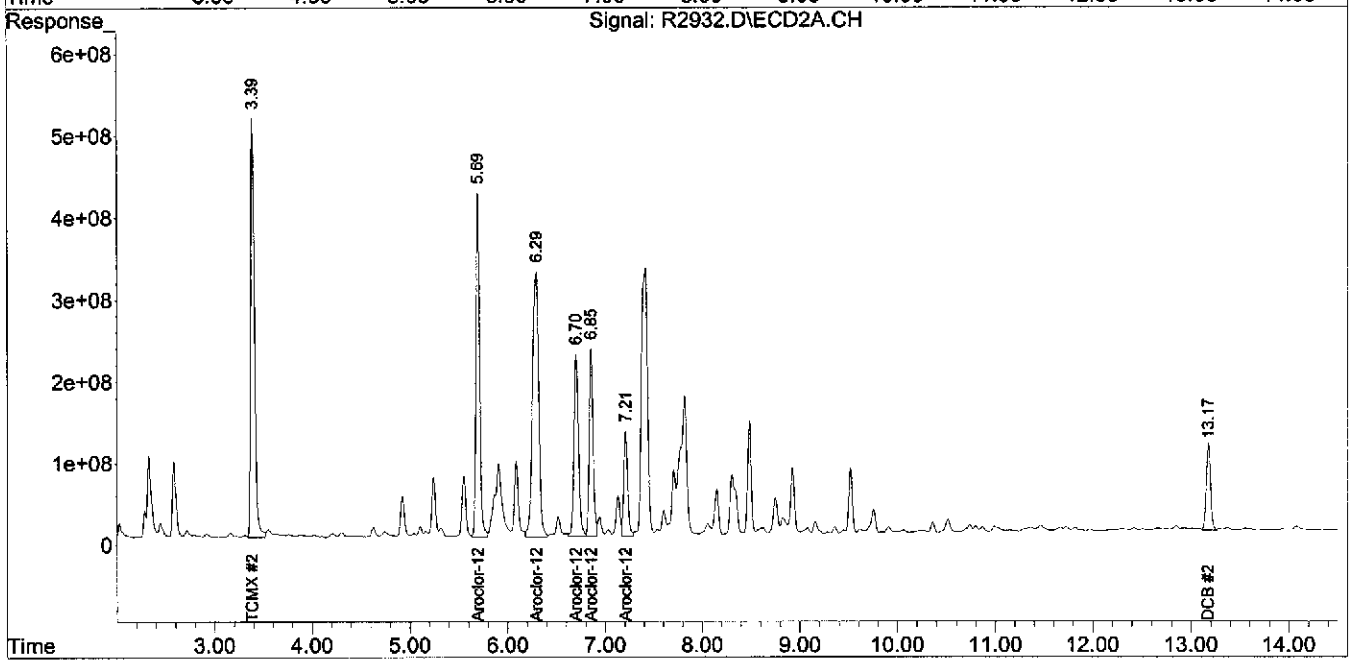
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2932.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 21:04
Operator : YG
Sample : O-14_(0-2.,07662-022,S,5.07g,25.9,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,2
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 12:10:44 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\08-13-12\
Data File : R2880.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 5:05
Operator : YG
Sample : O-14_(2.0-,07662-023,S,5.56g,46.7,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:25:35 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	25985.3E6	24697.0E6	151.238	171.567
Spiked Amount 200.000			Recovery	=	75.62%	85.78%
2) S DCB	13.10	13.18	10898.0E6	7306.3E6	186.692	182.403
Spiked Amount 200.000			Recovery	=	93.35%	91.20%
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	388.9E6	327.3E6	51.050	58.608m
24) L6 Aroclor-1248 {2}	5.86	6.29	165.9E6	497.7E6	38.677m	62.331m#
25) L6 Aroclor-1248 {3}	6.20	6.70	225.5E6	292.1E6	41.051m	48.938m
26) L6 Aroclor-1248 {4}	6.92	6.86	314.6E6	227.8E6	36.924m	44.608m
27) L6 Aroclor-1248 {5}	7.20	7.21	372.0E6	172.4E6	51.964m	59.697m
Sum Aroclor-1248			1466.9E6	1517.3E6	219.666	274.181
Average Aroclor-1248					43.933	54.836
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

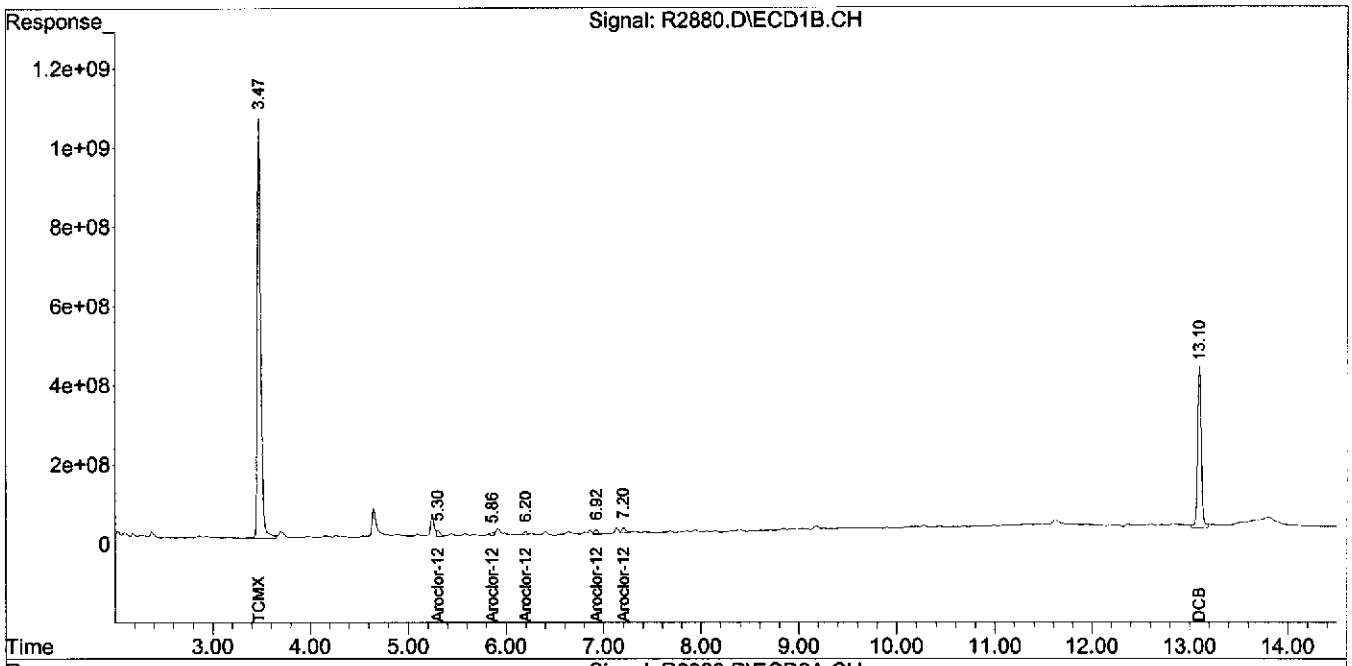
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

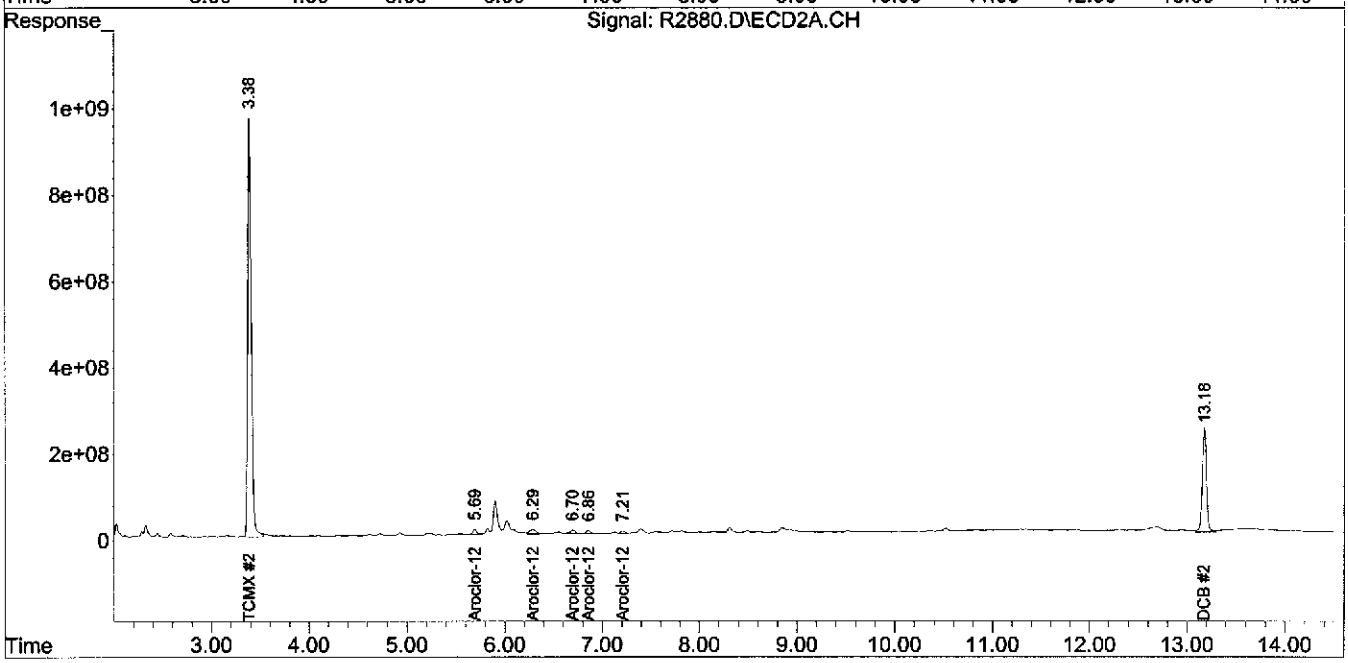
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-13-12\
Data File : R2880.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 5:05
Operator : YG
Sample : O-14_(2.0-,07662-023,S,5.56g,46.7,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:25:35 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\08-13-12\
Data File : R2881.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 5:22
Operator : YG
Sample : O-14_(2.5-,07662-024,S,5.52g,70.0,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:30:33 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	41803.3E6	36979.0E6	243.300	256.888
Spiked Amount 200.000			Recovery	=	121.65%	128.44%
2) S DCB	13.10	13.18	11398.9E6	7420.9E6	195.272m	185.263m
Spiked Amount 200.000			Recovery	=	97.64%	92.63%
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

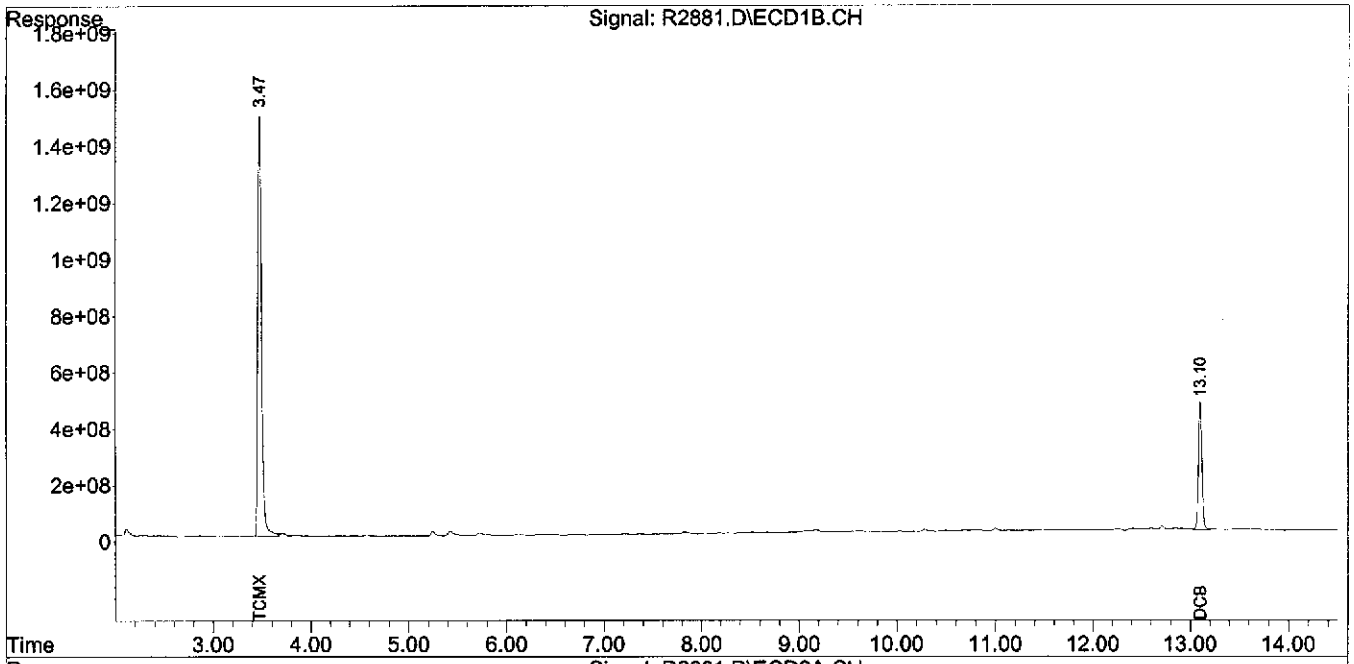
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

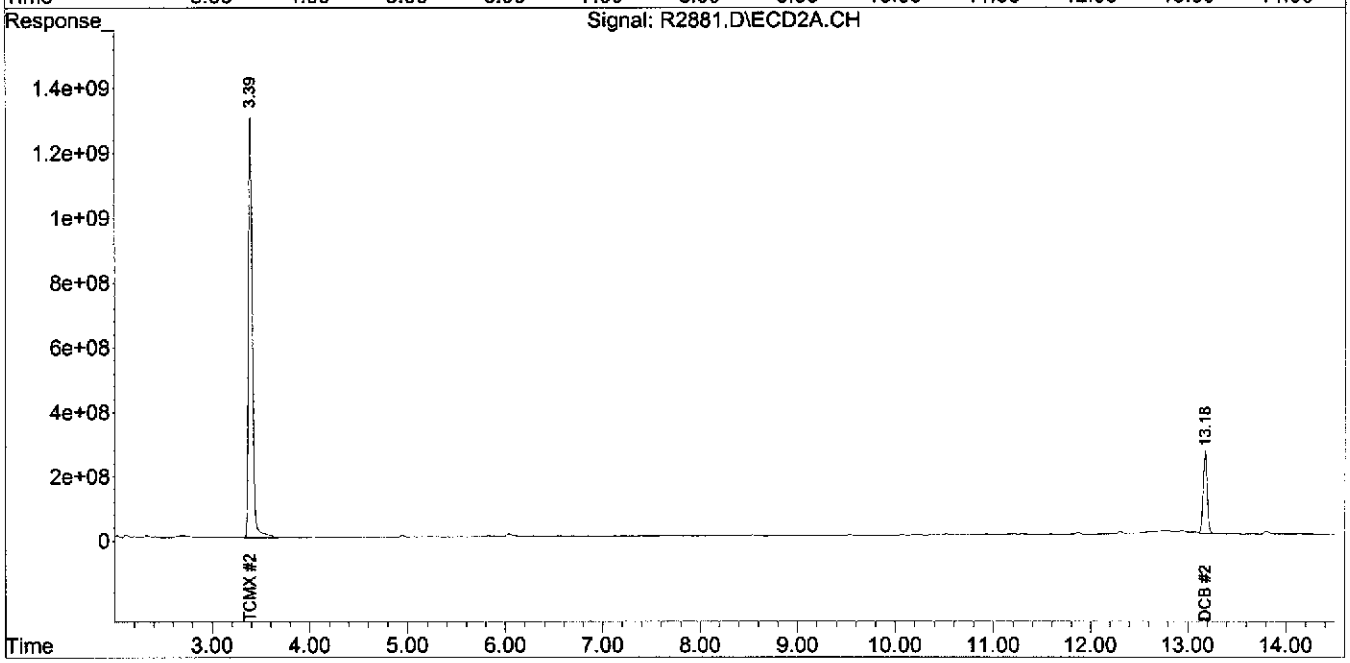
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-13-12\
Data File : R2881.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 5:22
Operator : YG
Sample : O-14_(2.5-,07662-024,S,5.52g,70.0,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:30:33 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\08-13-12\
Data File : R2882.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 5:40
Operator : YG
Sample : O-14_(4.0-,07662-025,S,5.45g,19.8,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:30:56 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	3.38	36473.1E6	30019.5E6	212.278	208.541	
Spiked Amount 200.000			Recovery	=	106.14%	104.27%	
2) S DCB	13.10	13.17	9815.7E6	6231.7E6	168.151	155.574	
Spiked Amount 200.000			Recovery	=	84.08%	77.79%	
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	923.5E6	759.8E6	121.232	136.056	
24) L6 Aroclor-1248 {2}	5.86	6.29	470.6E6	1141.4E6	109.699	142.939	#
25) L6 Aroclor-1248 {3}	6.20	6.70	586.4E6	854.1E6	106.752	143.104	#
26) L6 Aroclor-1248 {4}	6.92	6.85	974.3E6	668.9E6	114.347	131.003	
27) L6 Aroclor-1248 {5}	7.20	7.21	792.4E6	393.5E6	110.693	136.260	
Sum Aroclor-1248			3747.2E6	3817.7E6	562.723	689.363	
Average Aroclor-1248					112.545	137.873	
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	

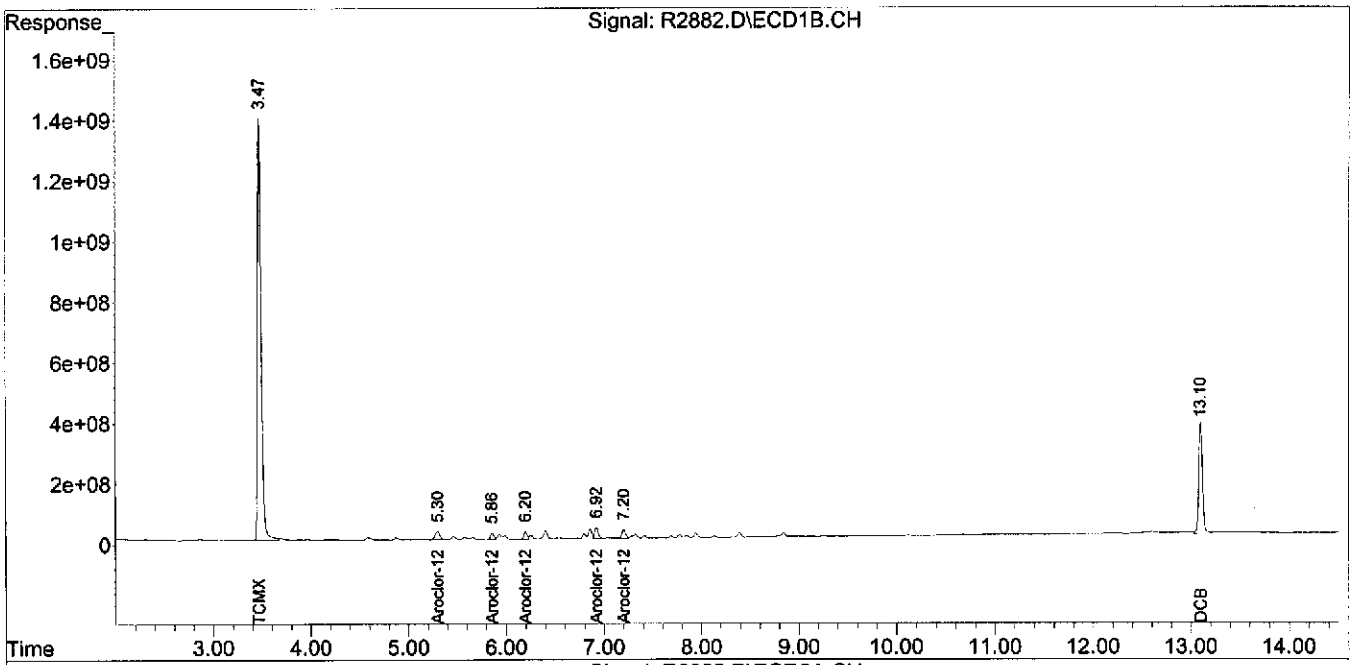
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

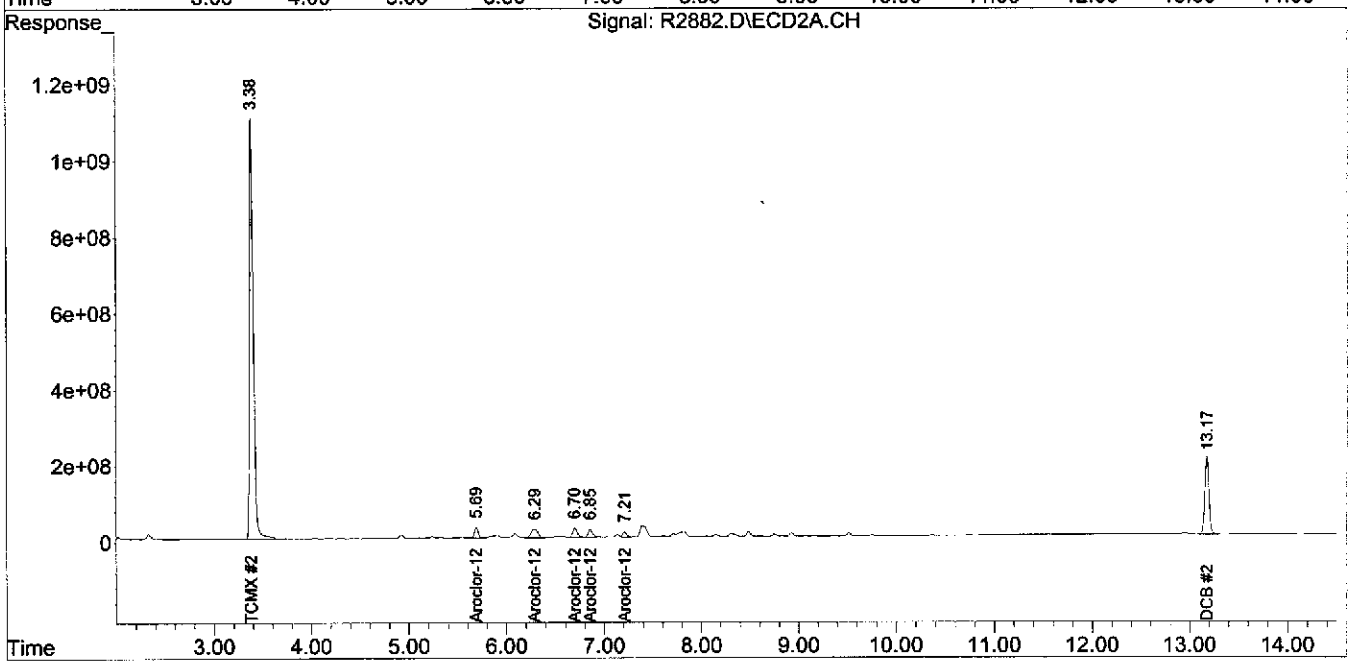
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-13-12\
Data File : R2882.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 5:40
Operator : YG
Sample : O-14_(4.0-,07662-025,S,5.45g,19.8,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:30:56 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\08-13-12\
Data File : R2883.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 5:57
Operator : YG
Sample : N-14_(0-2.,07662-026,S,5.33g,29.6,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,100
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:33:02 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						
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	9554.9E6	6444.8E6	1254.364	1154.025
24) L6 Aroclor-1248 {2}	5.86	6.29	7640.1E6	15935.2E6	1780.916	1995.558
25) L6 Aroclor-1248 {3}	6.20	6.70	10009.2E6	11808.9E6	1822.173	1978.626m
26) L6 Aroclor-1248 {4}	6.92	6.85	15963.3E6	10017.6E6	1873.583m	1961.890m
27) L6 Aroclor-1248 {5}	7.20	7.21	13939.0E6	5519.7E6	1947.067m	1911.358m
Sum Aroclor-1248			57106.5E6	49726.3E6	8678.103	9001.457
Average Aroclor-1248					1735.621	1800.291
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

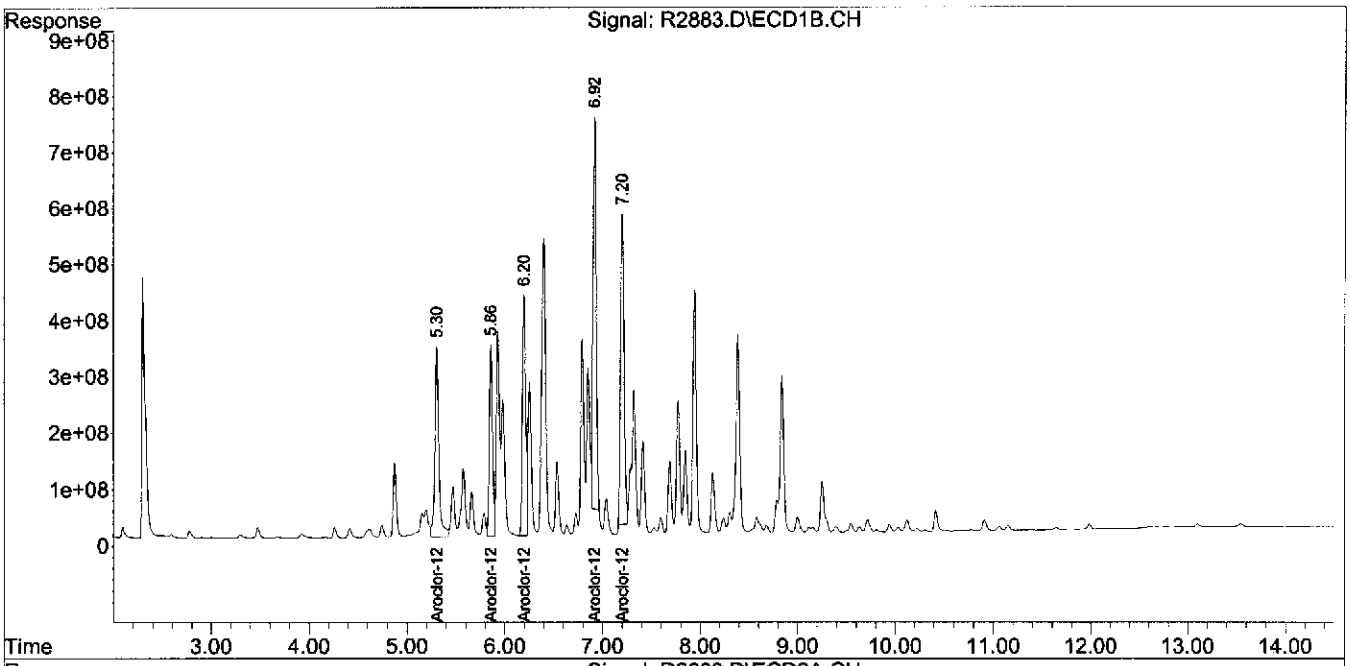
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

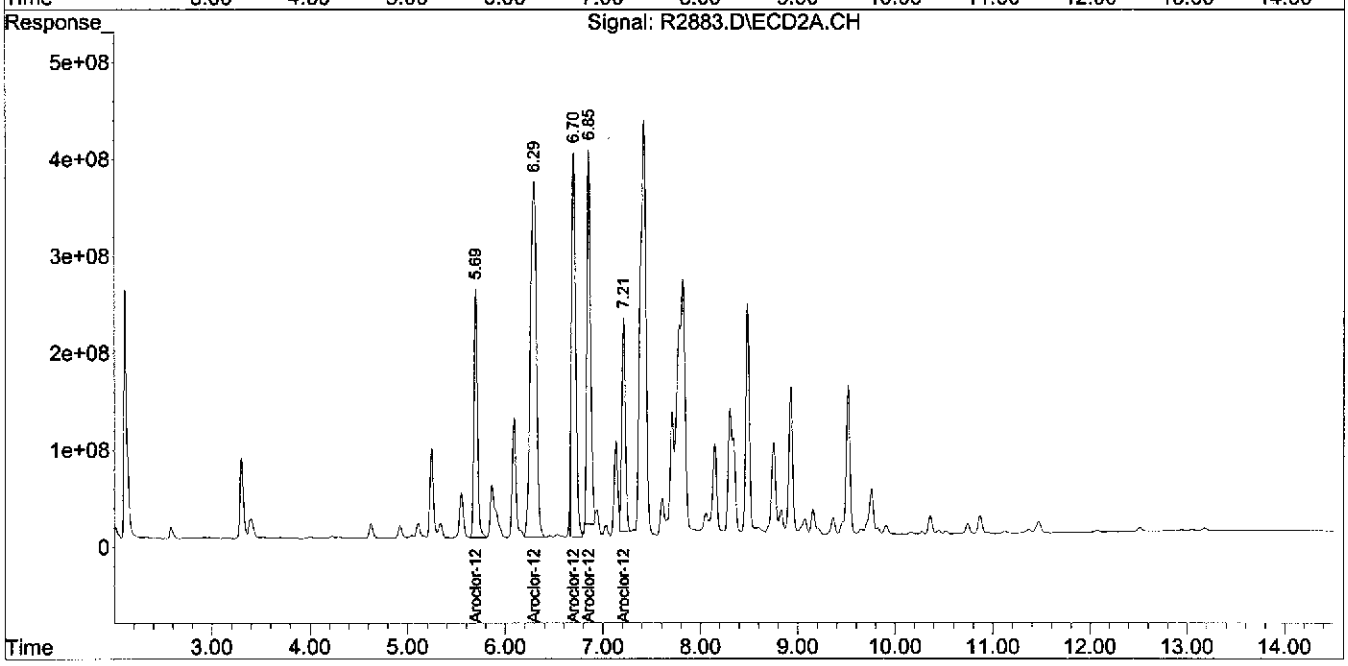
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-13-12\
Data File : R2883.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 5:57
Operator : YG
Sample : N-14_(0-2.,07662-026,S,5.33g,29.6,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,100
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:33:02 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 :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-13-12\
Data File : R2884.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 6:15
Operator : YG
Sample : N-14_(2.0-,07662-027,S,5.62g,16.5,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:33:31 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	35408.7E6	28675.0E6	206.083	199.201
Spiked Amount 200.000			Recovery	=	103.04%	99.60%
2) S DCB	13.10	13.18	10937.5E6	6186.4E6	187.368	154.445
Spiked Amount 200.000			Recovery	=	93.68%	77.22%
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	5.30	5.69	12286.1E6	8614.4E6	1612.922	1542.508
24) L6 Aroclor-1248 {2}	5.86	6.30	3845.5E6	10087.2E6	896.389	1263.211 #
25) L6 Aroclor-1248 {3}	6.20	6.70	2516.5E6	3313.6E6	458.120	555.209
26) L6 Aroclor-1248 {4}	6.92	6.85	3471.7E6	2750.3E6	407.471	538.634 #
27) L6 Aroclor-1248 {5}	7.20	7.21	3217.4E6	1215.8E6	449.418	421.000
Sum Aroclor-1248			25337.2E6	25981.3E6	3824.321	4320.562
Average Aroclor-1248					764.864	864.112
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

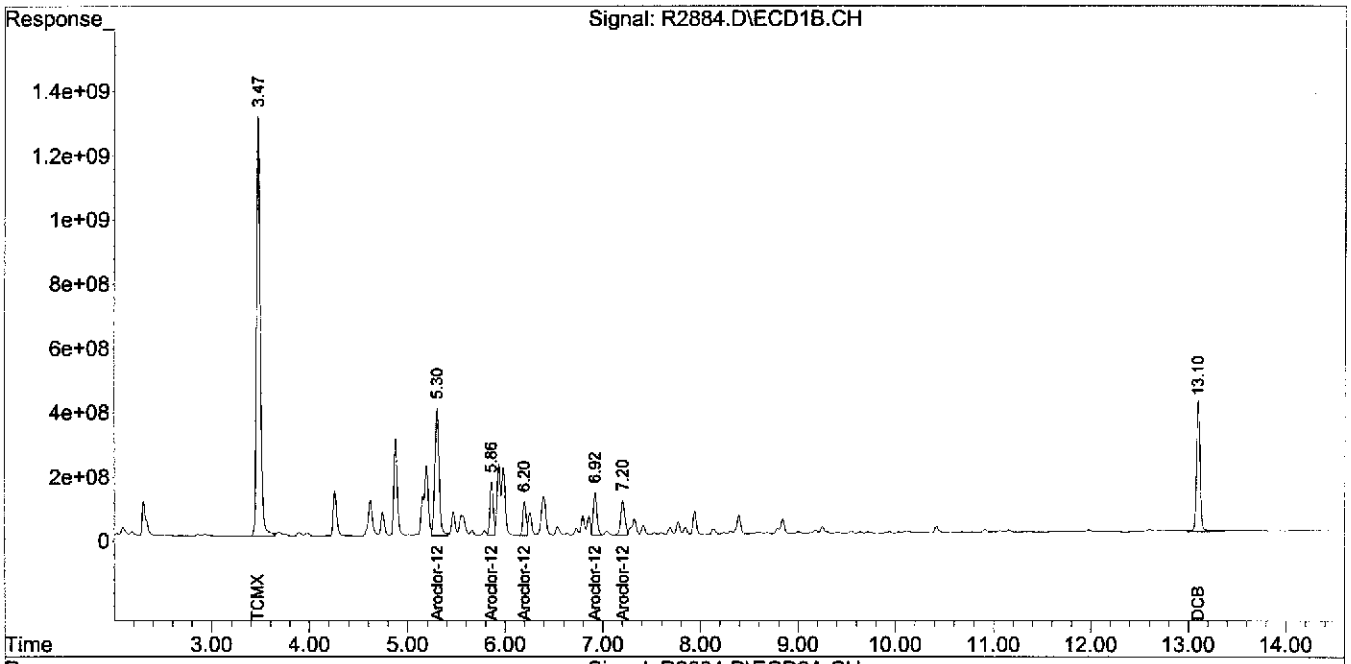
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

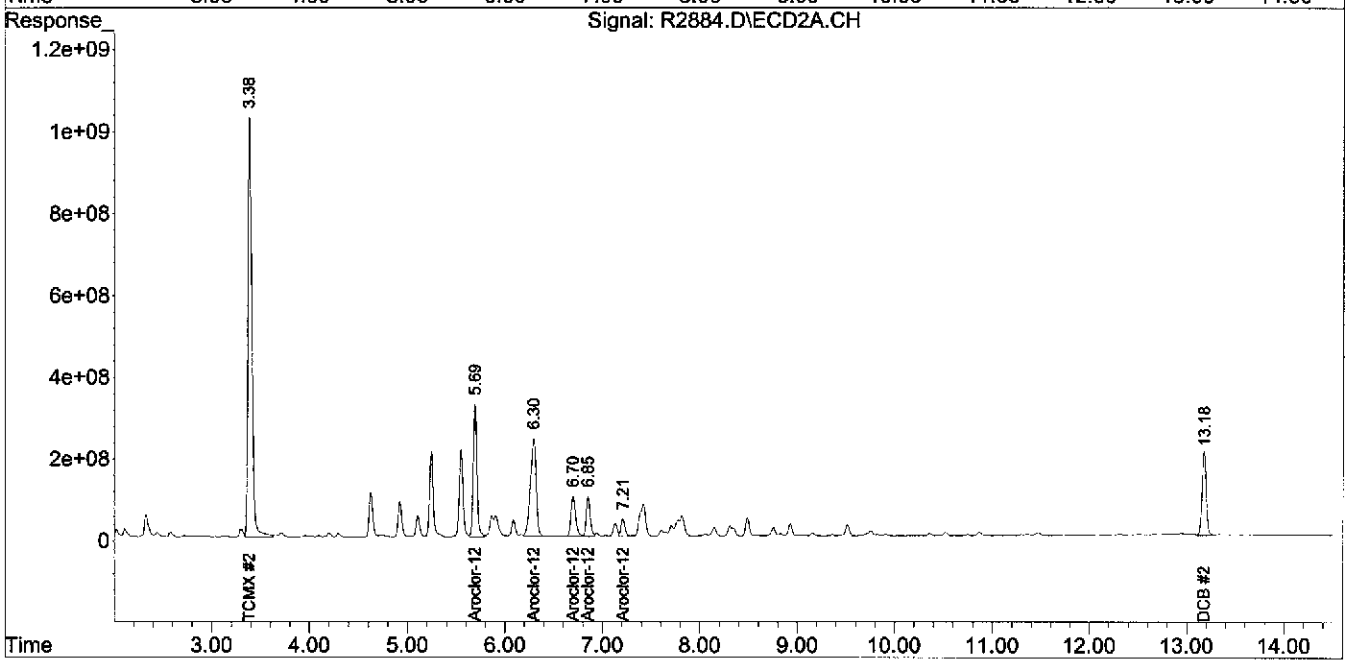
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-13-12\
Data File : R2884.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 6:15
Operator : YG
Sample : N-14_(2.0-,07662-027,S,5.62g,16.5,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:33:31 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 :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-13-12\
Data File : R2885.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 6:32
Operator : YG
Sample : N-14_(3.0-,07662-028,S,5.32g,67.2,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:34:03 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	43961.7E6	36344.6E6	255.863	252.481	
Spiked Amount 200.000			Recovery	=	127.93%	126.24%	
2) S DCB	13.10	13.17	13426.1E6	7747.6E6	230.000m	193.419m	
Spiked Amount 200.000			Recovery	=	115.00%	96.71%	
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
23) L6 Aroclor-1248	5.29	5.69	1762.4E6	1311.4E6	231.372	234.818	
24) L6 Aroclor-1248 {2}	5.86	6.30	653.2E6	1896.3E6	152.258	237.477	#
25) L6 Aroclor-1248 {3}	6.20	6.70	331.6E6	490.1E6	60.365	82.122	#
26) L6 Aroclor-1248 {4}	6.92	6.85	677.8E6	428.8E6	79.556	83.971	
27) L6 Aroclor-1248 {5}	7.20	7.21	490.9E6	258.4E6	68.566	89.470	#
Sum Aroclor-1248			3915.9E6	4385.0E6	592.117	727.859	
Average Aroclor-1248					118.423	145.572	
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	

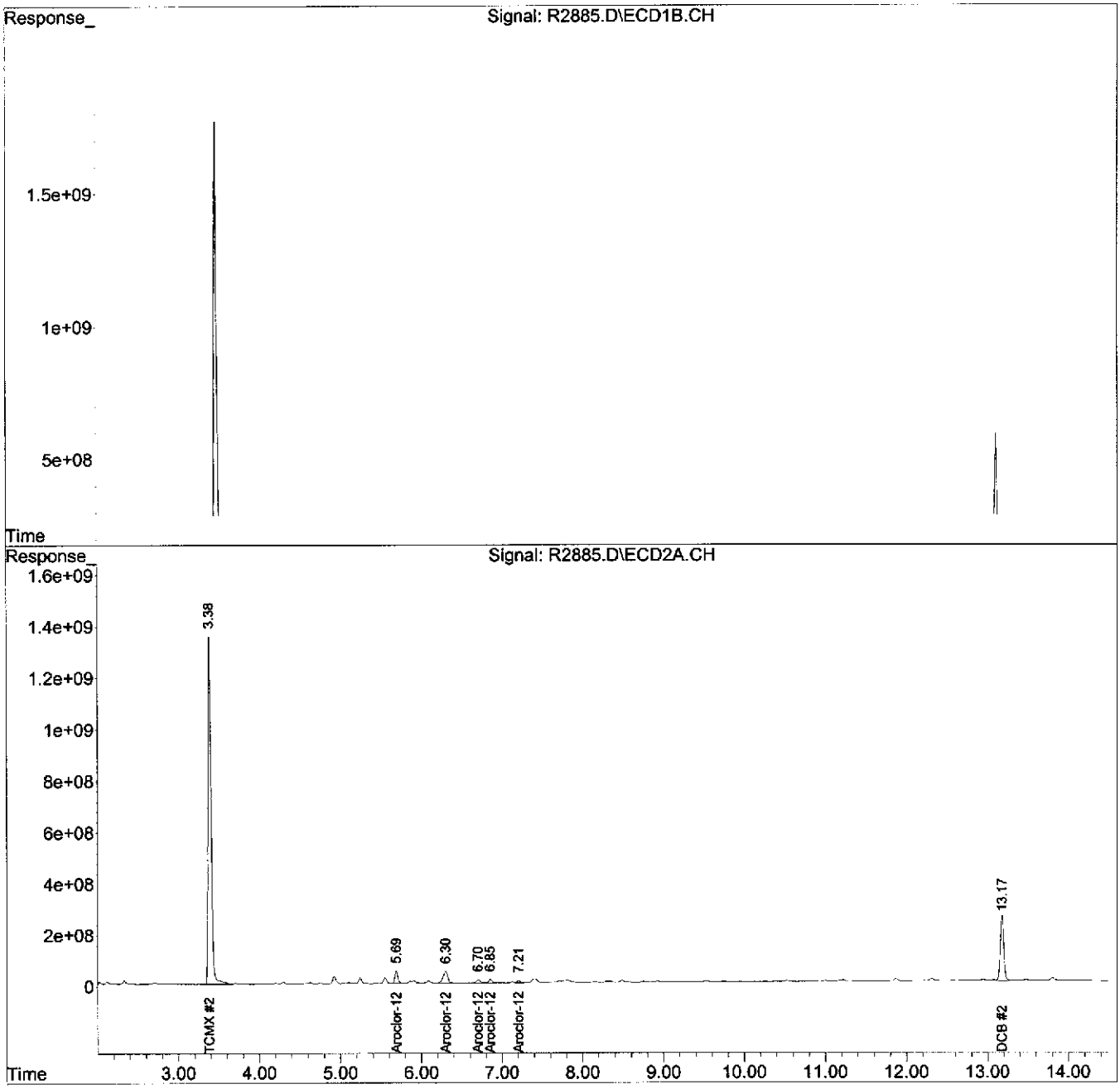
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

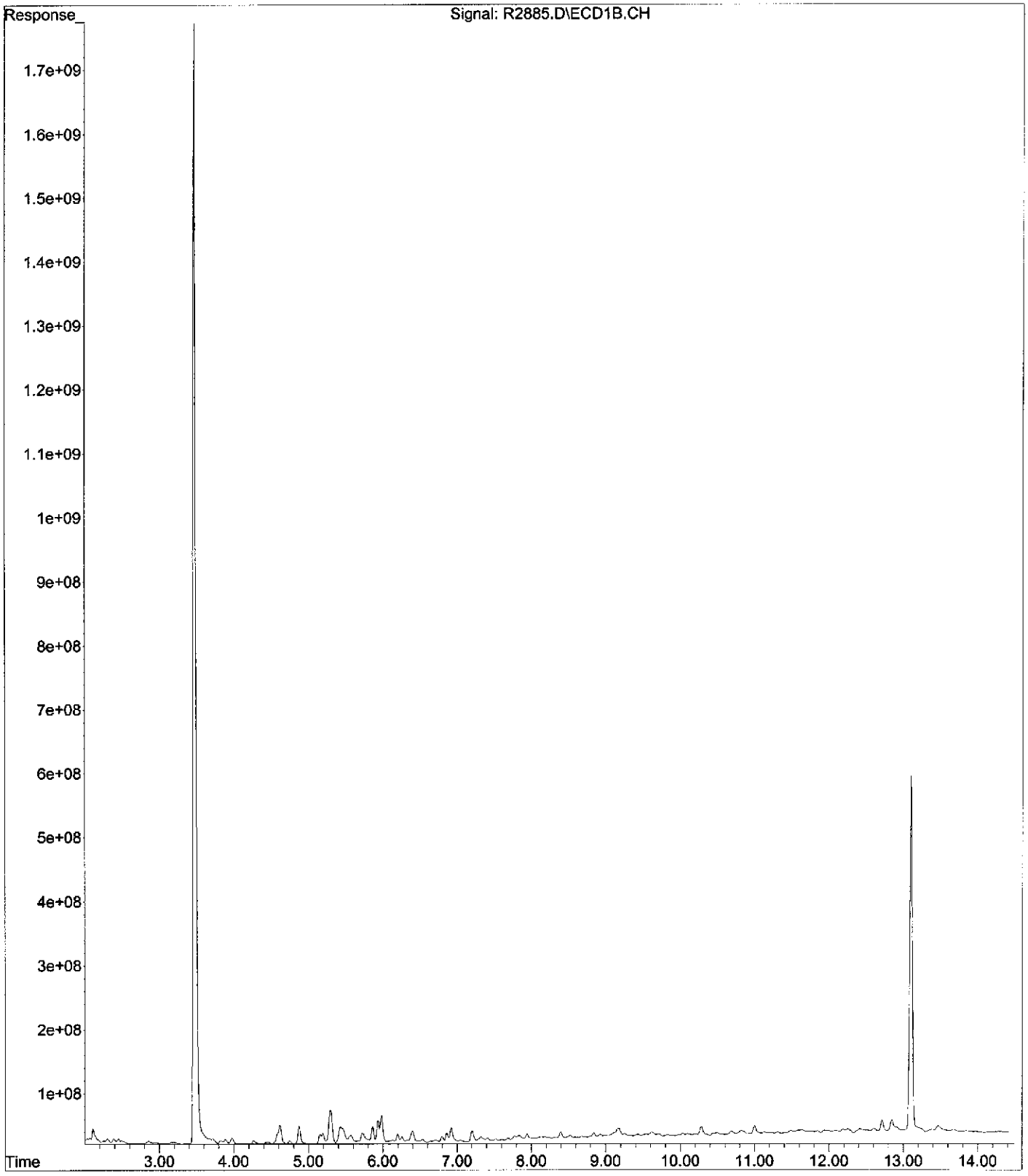
Data Path : C:\MSDCHEM\1\DATA\08-13-12\
Data File : R2885.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 6:32
Operator : YG
Sample : N-14_(3.0-,07662-028,S,5.32g,67.2,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:34:03 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\08-13-12\R2885.D
Operator : YG
Acquired : 14 Aug 2012 6:32 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: N-14_(3.0-,07662-028,S,5.32g,67.2,08/06/12,4
Misc Info : 120806-04,07/30/12,07/30/12,1
Vial Number: 37



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-13-12\
Data File : R2886.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 6:50
Operator : YG
Sample : N-14_(4.0-,07662-029,S,5.81g,19.3,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:34:28 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	38975.8E6	29208.6E6	226.844	202.908
Spiked Amount 200.000			Recovery	=	113.42%	101.45%
2) S DCB	13.10	13.17	11249.6E6	6201.7E6	192.716	154.826
Spiked Amount 200.000			Recovery	=	96.36%	77.41%
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
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

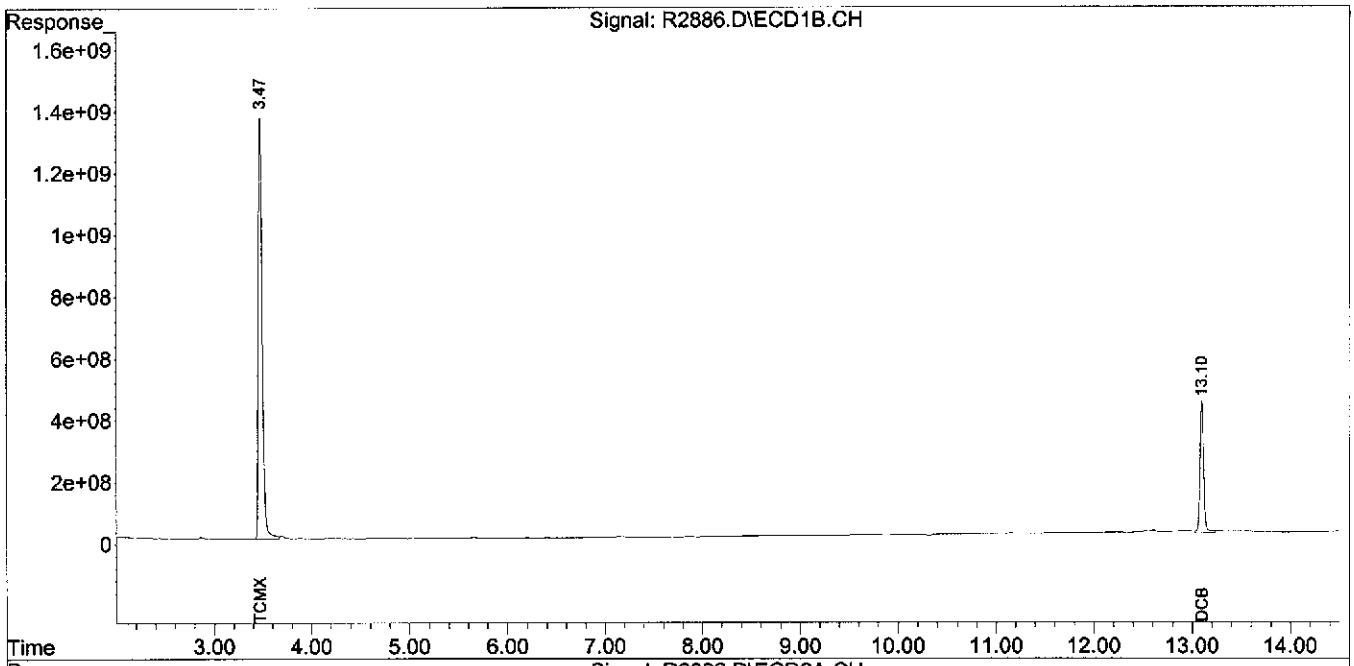
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

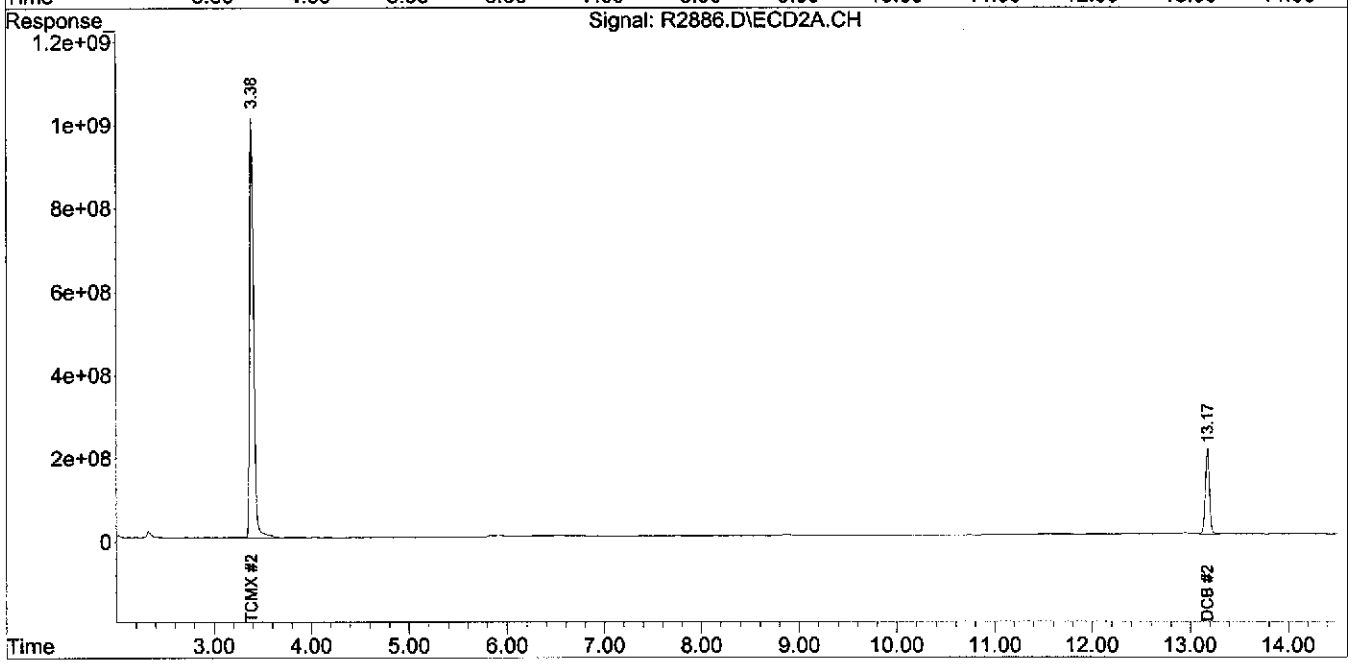
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-13-12\
Data File : R2886.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 6:50
Operator : YG
Sample : N-14_(4.0-,07662-029,S,5.81g,19.3,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:34:28 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\08-13-12\
Data File : R2887.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 7:07
Operator : YG
Sample : O-15_(0-2.,07662-030,S,5.37g,17.2,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:37:07 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	34568.2E6	29383.5E6	201.191	204.123
Spiked Amount 200.000			Recovery	=	100.60%	102.06%
2) S DCB	13.10	13.17	12218.8E6	5988.5E6	209.319	149.503 #
Spiked Amount 200.000			Recovery	=	104.66%	74.75%
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
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

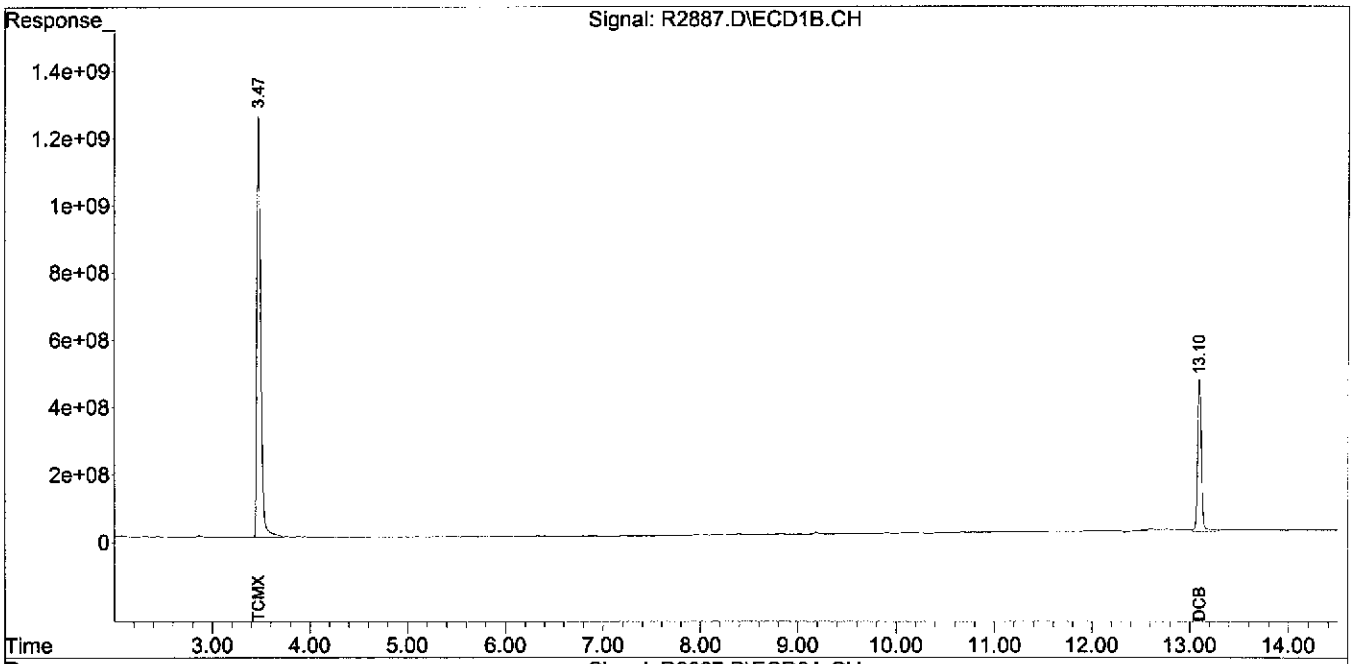
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

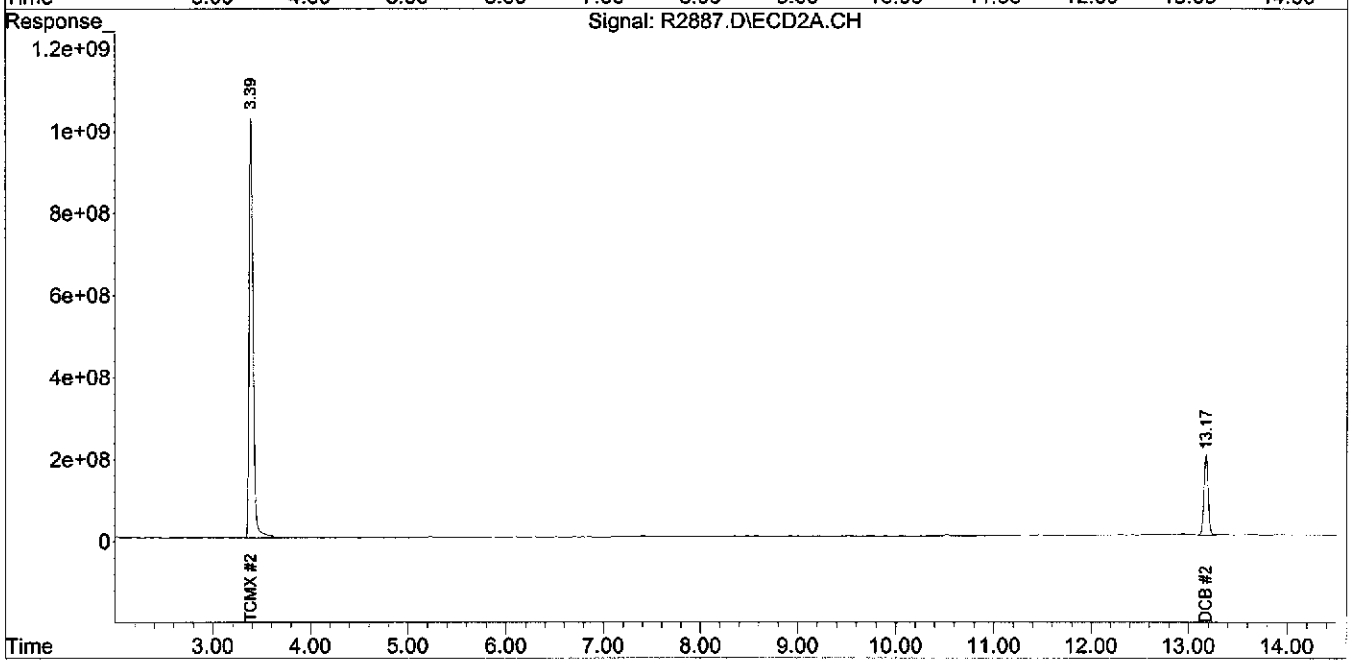
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-13-12\
Data File : R2887.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 7:07
Operator : YG
Sample : O-15_(O-2.,07662-030,S,5.37g,17.2,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:37:07 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\08-13-12\
Data File : R2888.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 7:25
Operator : YG
Sample : O-15_(2.0-,07662-031,S,5.19g,35.0,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:56:49 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	22503.1E6	28125.6E6	130.971	195.384 #
Spiked Amount 200.000			Recovery	=	65.49%	97.69%
2) S DCB	13.10	13.17	12223.6E6	6687.7E6	209.401m	166.959
Spiked Amount 200.000			Recovery	=	104.70%	83.48%
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

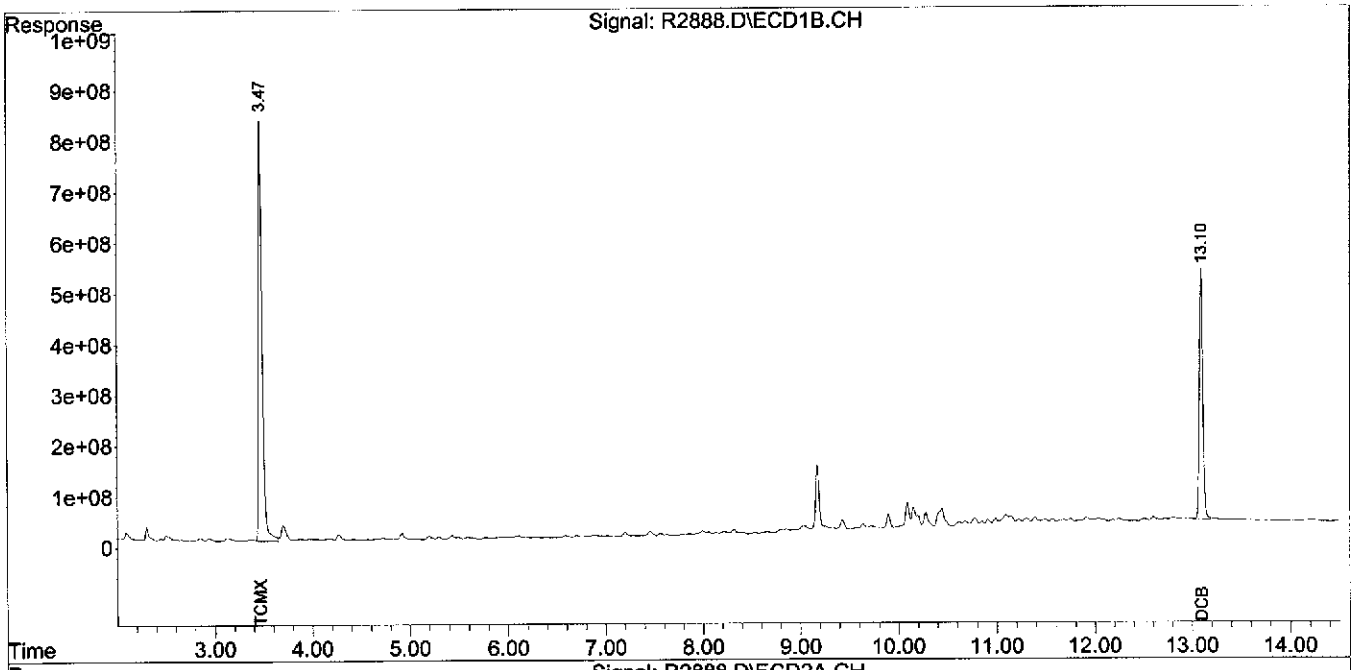
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

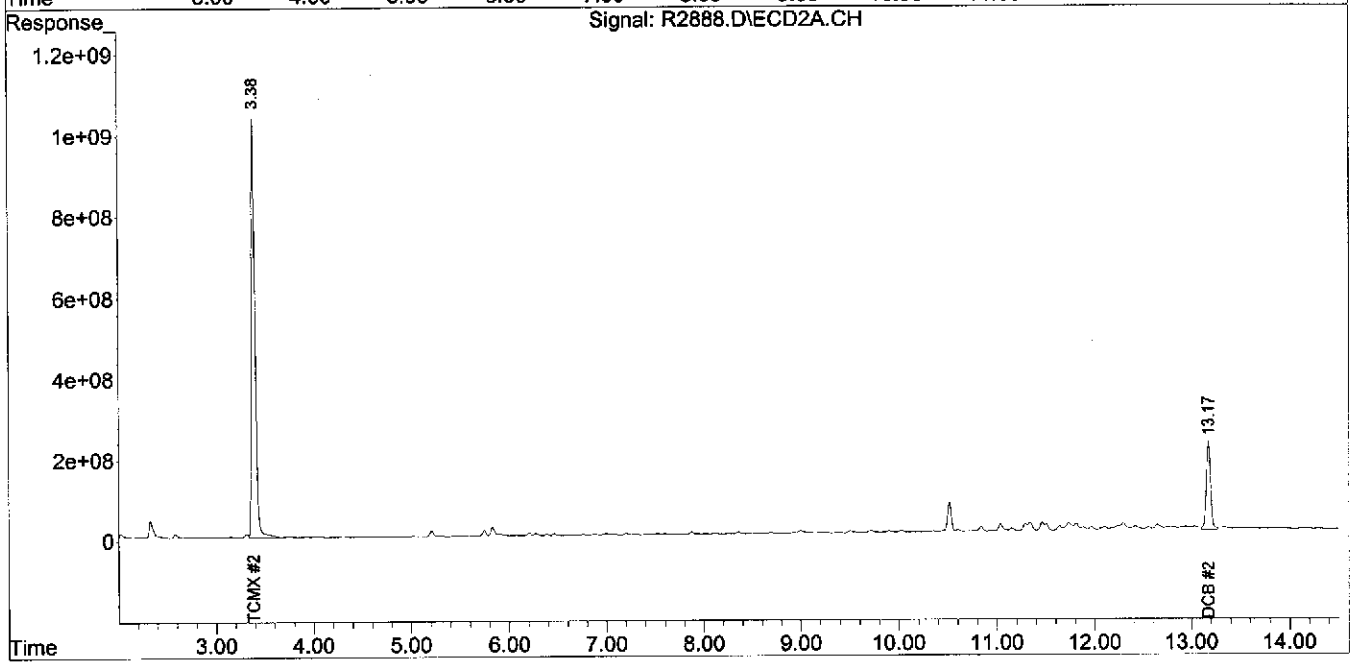
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-13-12\
Data File : R2888.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 7:25
Operator : YG
Sample : O-15_(2.0-,07662-031,S,5.19g,35.0,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:56:49 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 :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-13-12\
Data File : R2889.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 7:42
Operator : YG
Sample : O-15_(4.0-,07662-032,S,5.32g,24.3,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:59:47 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	36320.0E6	29945.8E6	211.387	208.029	
Spiked Amount 200.000			Recovery	=	105.69%	104.01%	
2) S DCB	13.10	13.17	11951.8E6	6227.2E6	204.745m	155.462m	
Spiked Amount 200.000			Recovery	=	102.37%	77.73%	
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
23) L6 Aroclor-1248	5.30	5.69	43328722	34655228	5.688	6.205	
24) L6 Aroclor-1248 {2}	5.86	6.29	18521164	86080641	4.317	10.780	#
25) L6 Aroclor-1248 {3}	6.20	6.70	59736354	66220334	10.875	11.095	
26) L6 Aroclor-1248 {4}	6.92	6.85	72437209	65964565	8.502	12.919	#
27) L6 Aroclor-1248 {5}	7.20	7.21	89920611	43951697	12.561	15.219	
Sum Aroclor-1248			283.9E6	296.9E6	41.943	56.219	
Average Aroclor-1248					8.389	11.244	
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	

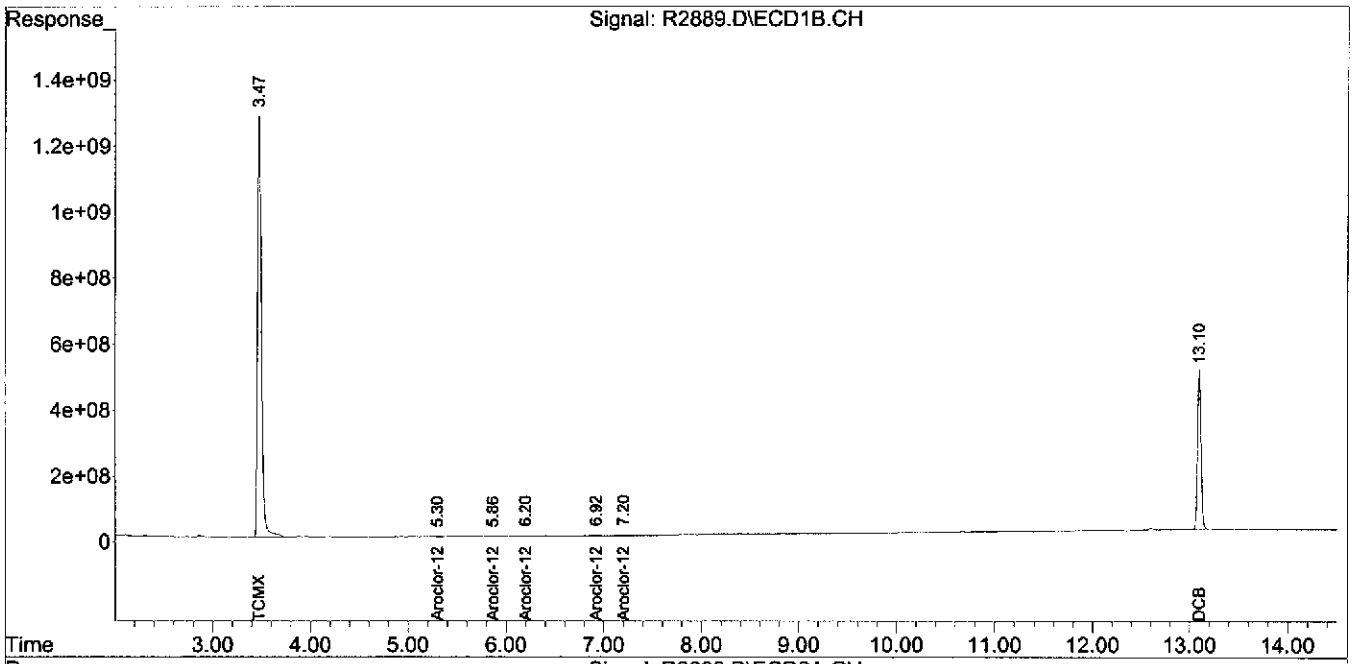
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

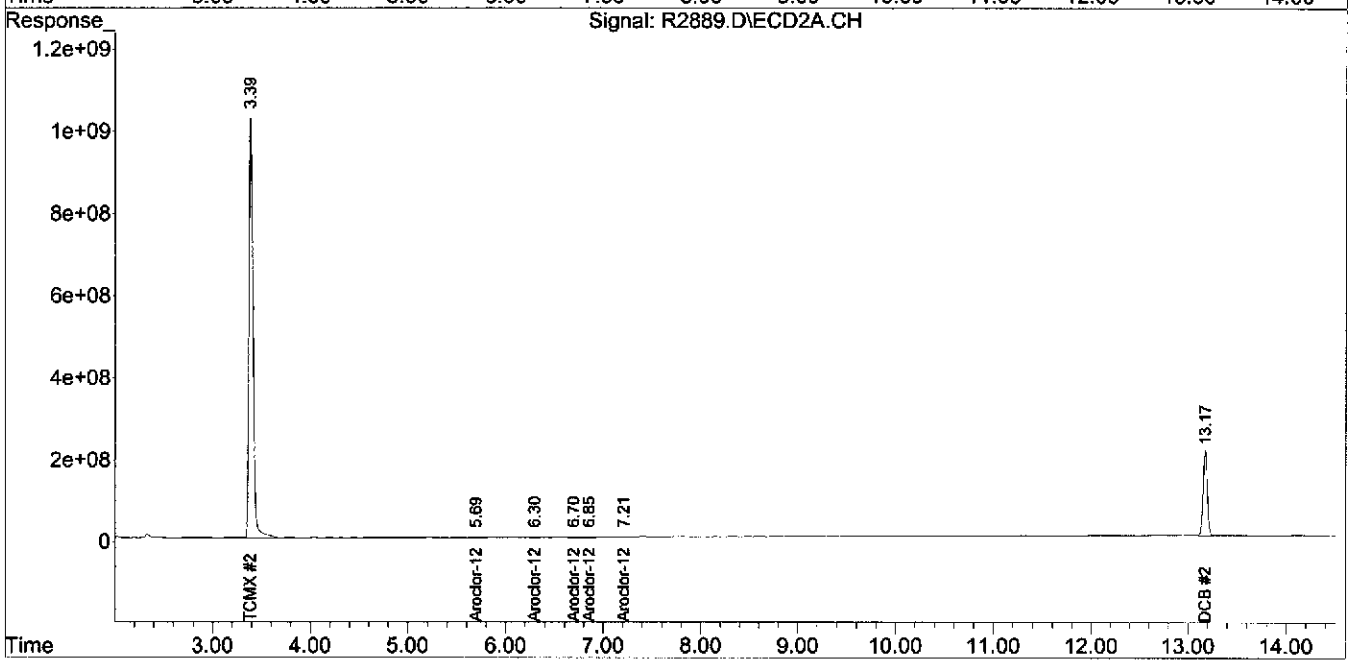
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-13-12\
Data File : R2889.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 7:42
Operator : YG
Sample : O-15_(4.0-,07662-032,S,5.32g,24.3,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:59:47 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 (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-13-12\
Data File : R2890.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 8:00
Operator : YG
Sample : P-15_(0-2.,07662-033,S,5.80g,36.2,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,100
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 12:00:19 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						
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	225.6E6	187.9E6	29.620	33.644
24) L6 Aroclor-1248 {2}	5.86	6.29	169.4E6	369.4E6	39.476	46.261
25) L6 Aroclor-1248 {3}	6.20	6.70	189.9E6	258.5E6	34.576	43.309 #
26) L6 Aroclor-1248 {4}	6.92	6.85	316.0E6	171.8E6	37.087	33.644
27) L6 Aroclor-1248 {5}	7.20	7.21	196.9E6	89583494	27.503	31.021
Sum Aroclor-1248			1097.8E6	1077.2E6	168.262	187.879
Average Aroclor-1248					33.652	37.576
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

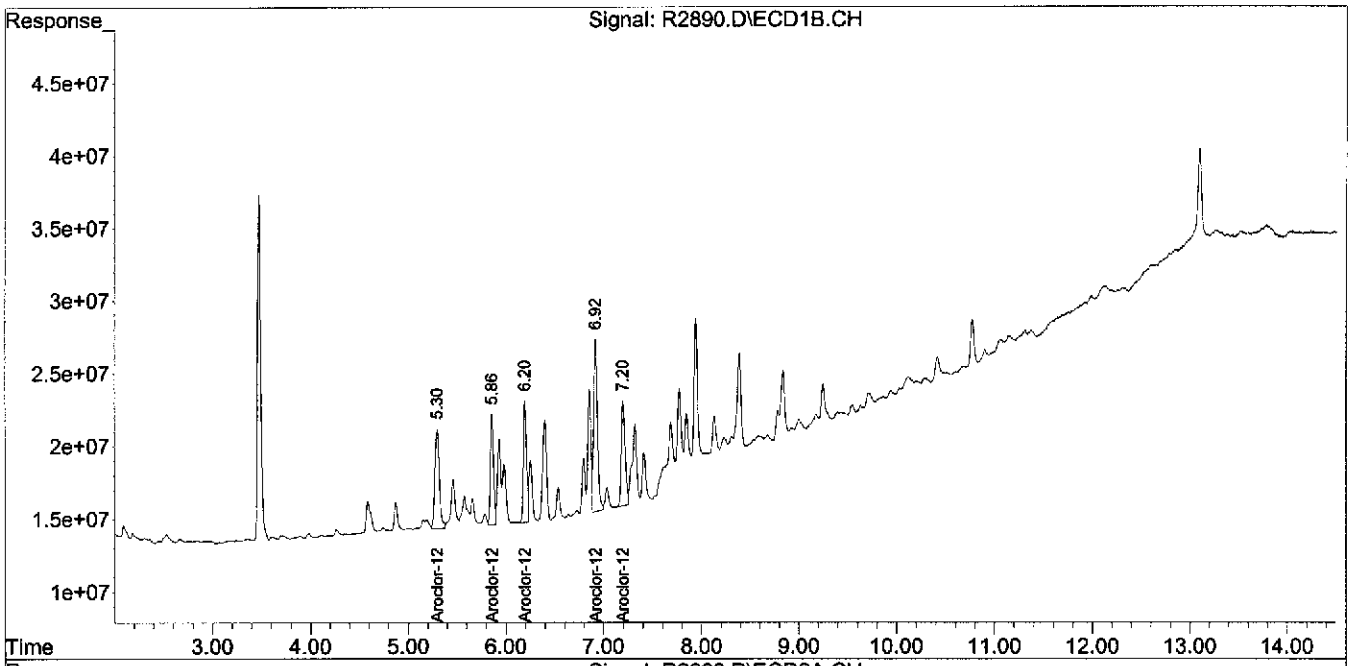
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

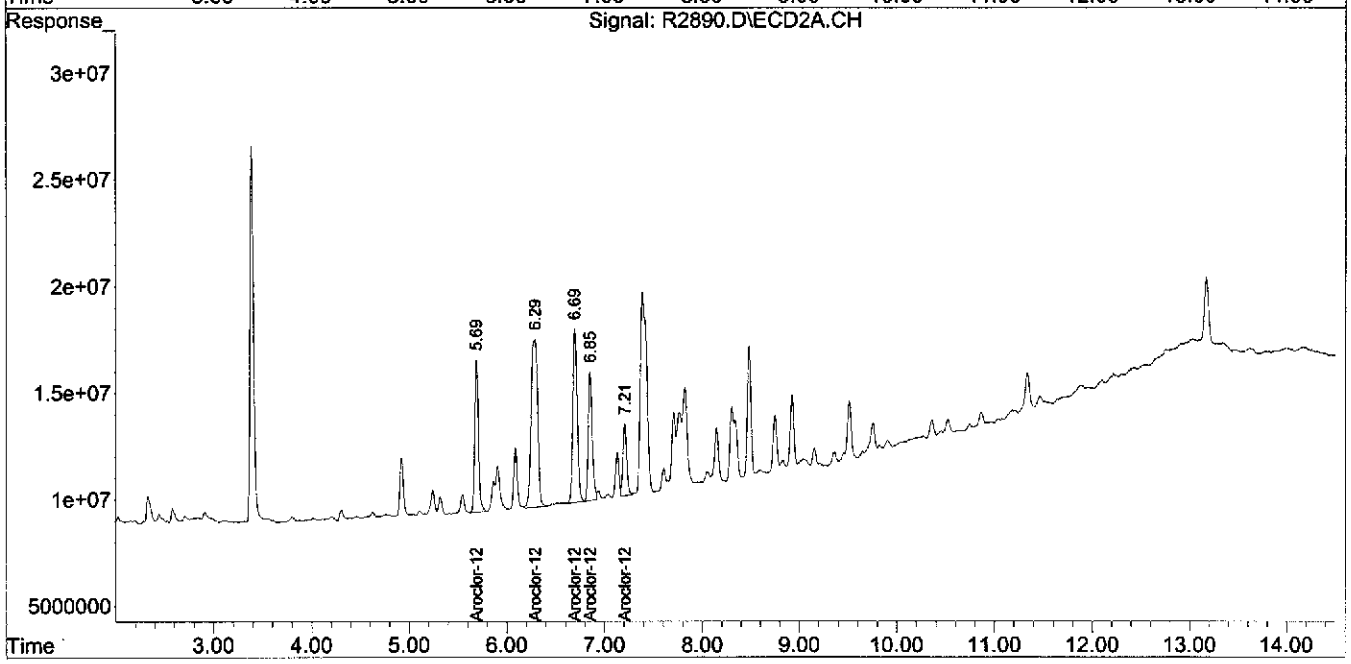
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-13-12\
Data File : R2890.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 8:00
Operator : YG
Sample : P-15_(0-2.,07662-033,S,5.80g,36.2,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,100
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 12:00:19 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 :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-13-12\
Data File : R2891.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 8:17
Operator : YG
Sample : P-15_(2.0-,07662-034,S,5.30g,31.3,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 12:00:48 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	36075.7E6	29376.2E6	209.965	204.072
Spiked Amount 200.000			Recovery	=	104.98%	102.04%
2) S DCB	13.10	13.17	10880.7E6	6318.7E6	186.396m	157.748m
Spiked Amount 200.000			Recovery	=	93.20%	78.87%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.30	5.69	935.9E6	768.9E6	122.868	137.673
24) L6 Aroclor-1248 {2}	5.86	6.29	531.5E6	1121.7E6	123.892	140.475
25) L6 Aroclor-1248 {3}	6.20	6.69	674.1E6	842.1E6	122.724	141.090
26) L6 Aroclor-1248 {4}	6.92	6.85	1182.4E6	661.7E6	138.776	129.583
27) L6 Aroclor-1248 {5}	7.20	7.21	925.0E6	435.3E6	129.211	150.737
Sum Aroclor-1248			4249.0E6	3829.6E6	637.472	699.558
Average Aroclor-1248					127.494	139.912
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

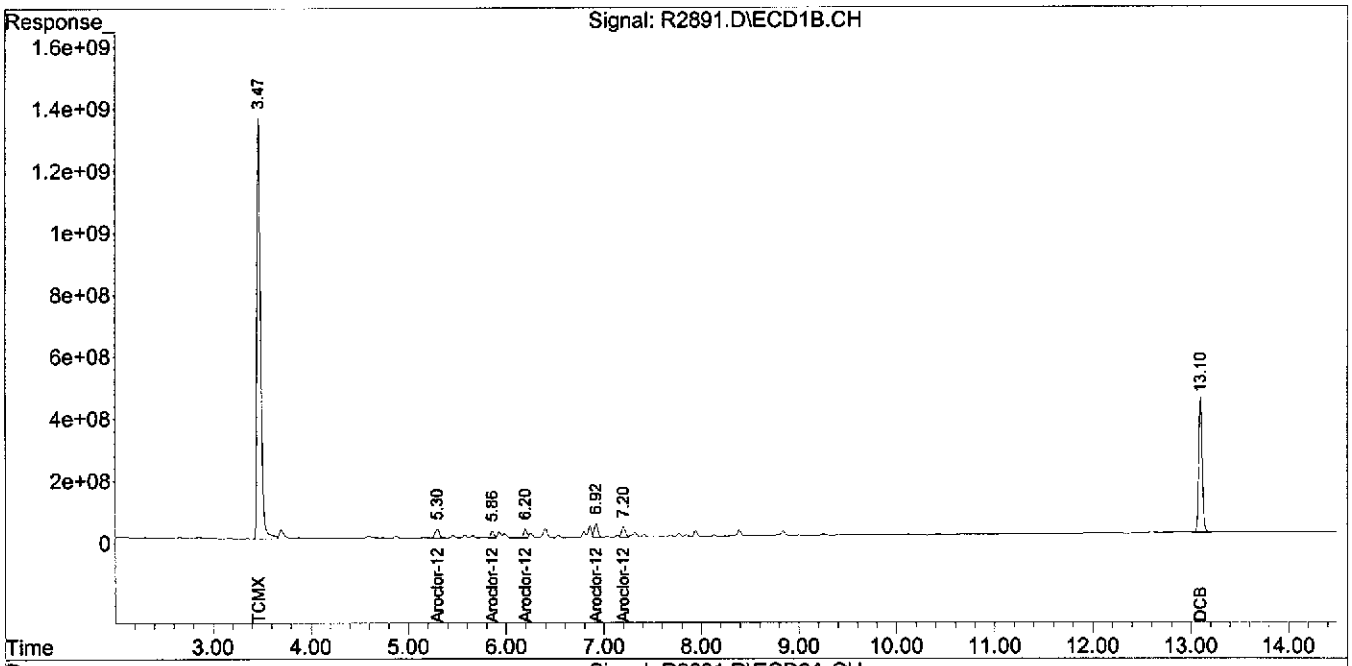
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

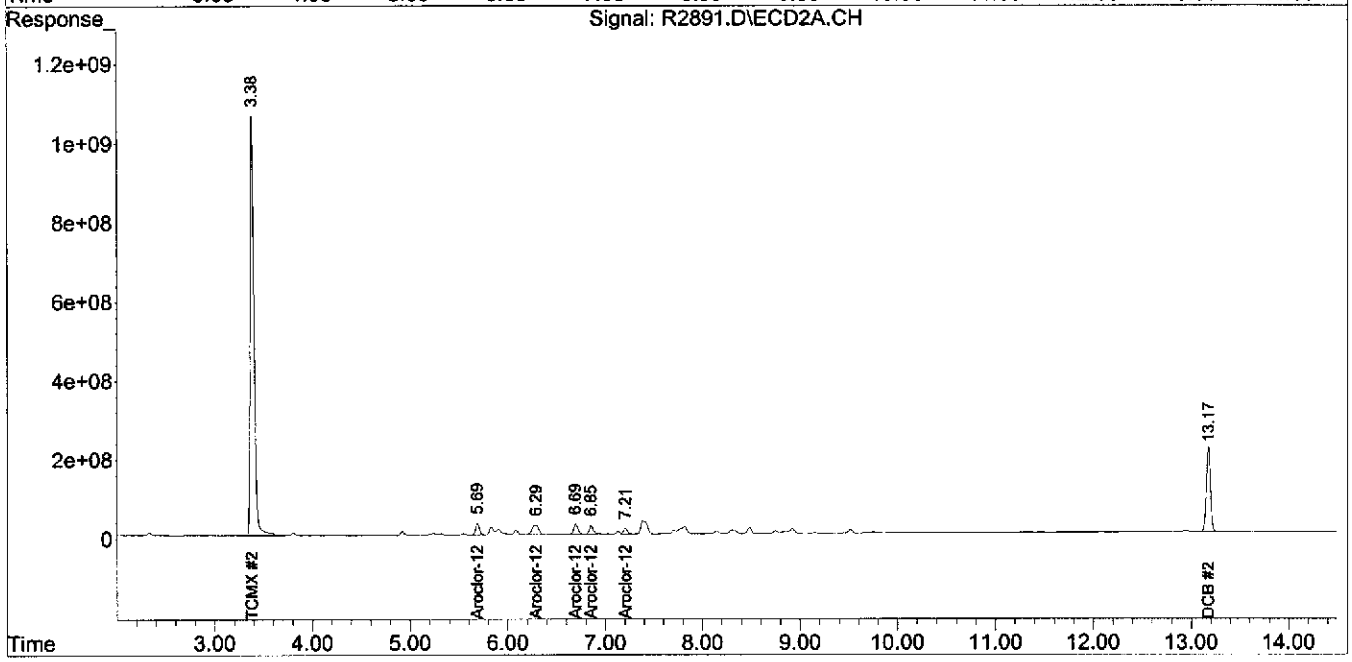
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-13-12\
Data File : R2891.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 8:17
Operator : YG
Sample : P-15_(2.0-,07662-034,S,5.30g,31.3,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 12:00:48 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 (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2933.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 21:22
Operator : YG
Sample : P-15_(4.0-,07662-035,S,5.45g,20.9,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1000
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 12:11:32 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						
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	5412.9E6	4266.7E6	710.612	764.010
24) L6 Aroclor-1248 {2}	5.86	6.29	2860.4E6	5810.1E6	666.770	727.589
25) L6 Aroclor-1248 {3}	6.20	6.70	3570.1E6	4336.6E6	649.932	726.606
26) L6 Aroclor-1248 {4}	6.92	6.85	5704.4E6	3557.1E6	669.521	696.643
27) L6 Aroclor-1248 {5}	7.20	7.21	4306.6E6	2099.9E6	601.568	727.160
Sum Aroclor-1248			21854.5E6	20070.4E6	3298.403	3642.008
Average Aroclor-1248					659.681	728.402
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

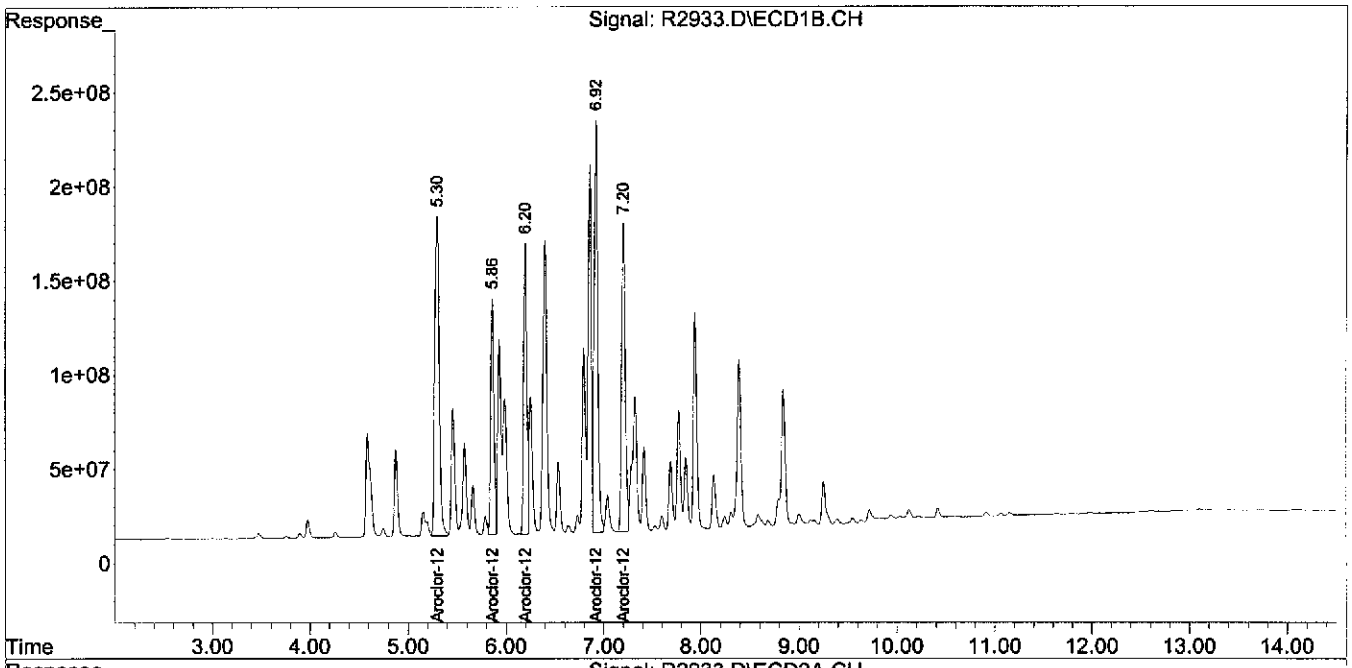
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

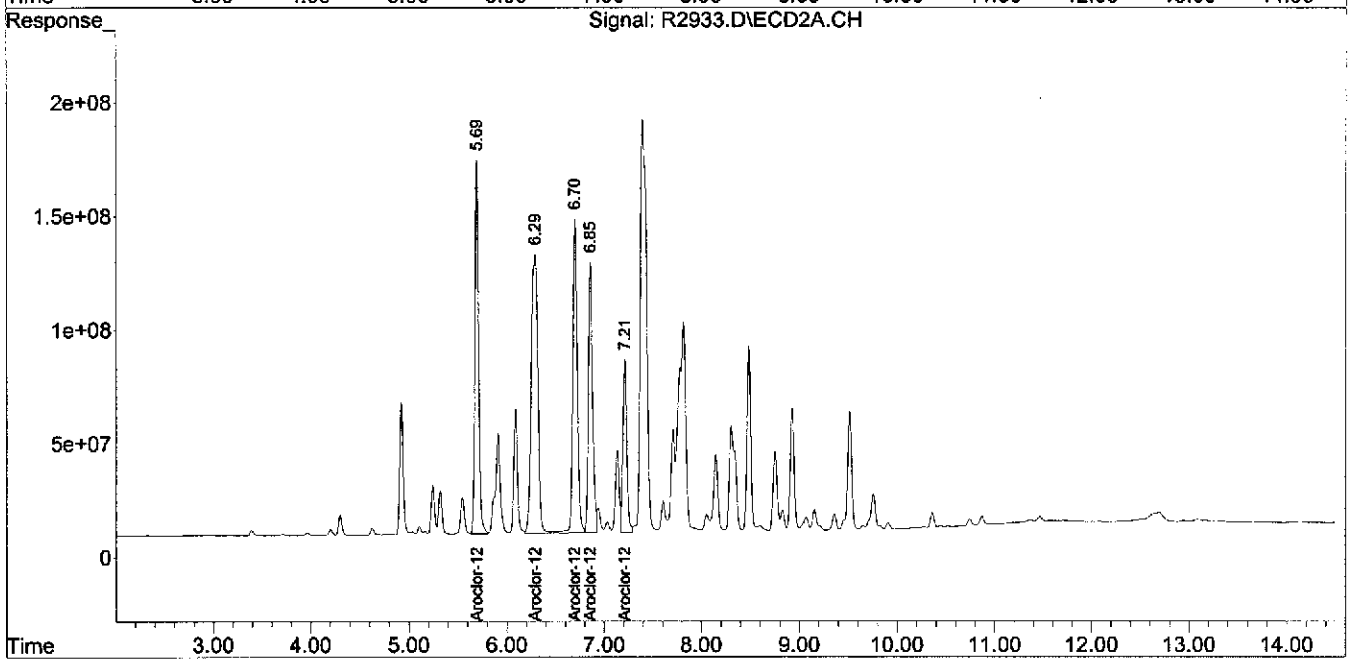
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2933.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 21:22
Operator : YG
Sample : P-15_(4.0-,07662-035,S,5.45g,20.9,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1000
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 12:11:32 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 (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2934.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 21:39
Operator : YG
Sample : Q-12_(0-2.,07662-036,S,5.51g,17.9,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1000
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 12:11:56 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						
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	6443.7E6	4891.4E6	845.927	875.866
24) L6 Aroclor-1248 {2}	5.86	6.29	2200.3E6	5132.8E6	512.884	642.771 #
25) L6 Aroclor-1248 {3}	6.20	6.70	3137.2E6	4102.8E6	571.123	687.441
26) L6 Aroclor-1248 {4}	6.92	6.85	5267.1E6	3695.6E6	618.188	723.762
27) L6 Aroclor-1248 {5}	7.20	7.21	4533.3E6	1976.2E6	633.236	684.309
Sum Aroclor-1248			21581.5E6	19798.8E6	3181.359	3614.150
Average Aroclor-1248					636.272	722.830
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

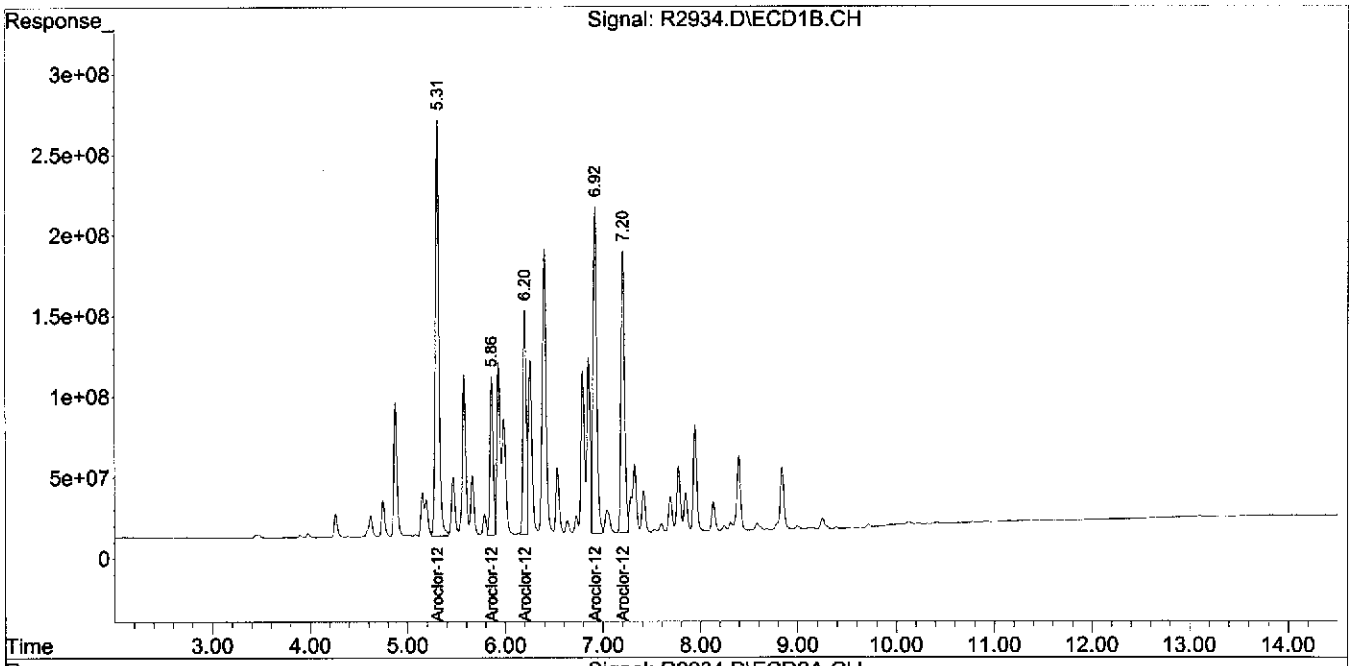
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

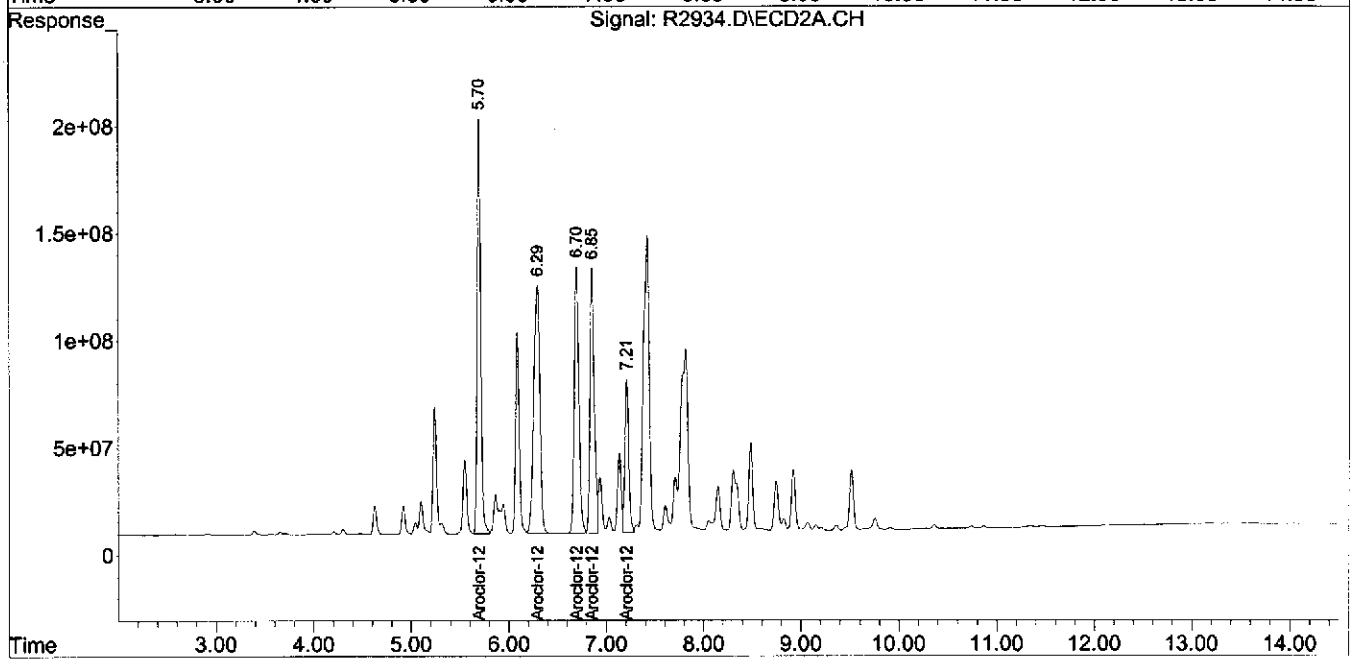
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2934.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 21:39
Operator : YG
Sample : Q-12_(0-2.,07662-036,S,5.51g,17.9,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,1000
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 12:11:56 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 (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2935.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 21:56
Operator : YG
Sample : Q-12_(2.0-,07662-037,S,5.55g,17.0,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,100
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 12:15:21 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						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.88	5.32	5850.2E6	1525.5E6	1622.857	879.293 #
19) L5 Aroclor-1242 {2}	5.86	6.09	3958.3E6	3911.0E6	1717.804	1331.405
20) L5 Aroclor-1242 {3}	6.20	6.70	2877.7E6	4057.0E6	885.105	1033.224
21) L5 Aroclor-1242 {4}	6.92	6.85	2076.3E6	3230.0E6	444.014	978.083 #
22) L5 Aroclor-1242 {5}	7.20	7.39	1876.7E6	3209.1E6	423.926	1041.560 #
Sum Aroclor-1242			16639.2E6	15932.6E6	5093.706	5263.564
Average Aroclor-1242					1018.741	1052.713
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

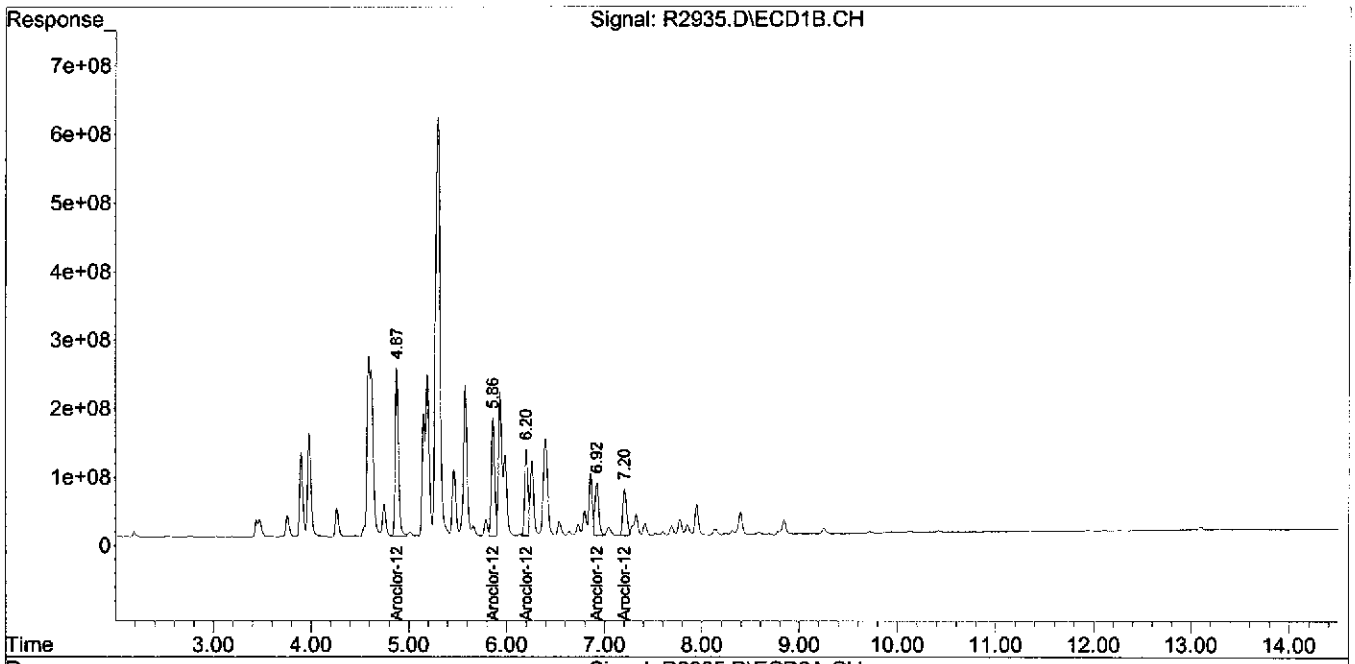
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

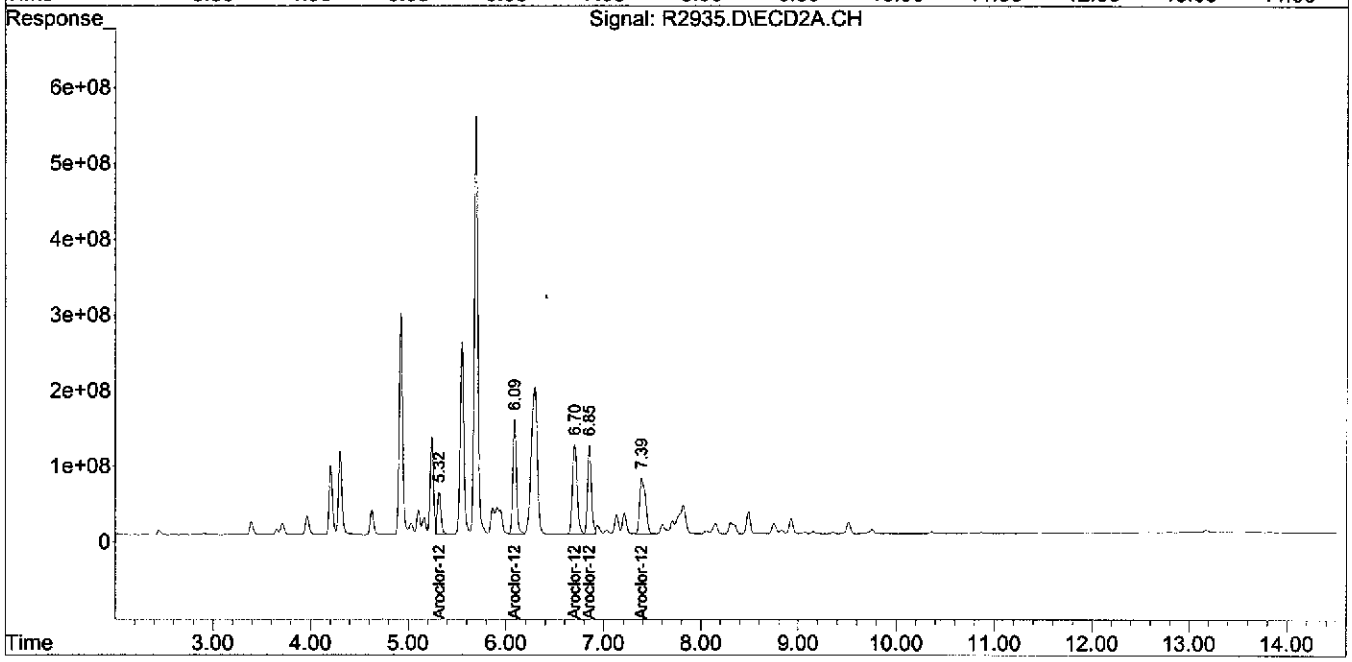
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2935.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 21:56
Operator : YG
Sample : Q-12_(2.0-,07662-037,S,5.55g,17.0,08/06/12,4
Misc : 120806-04,07/30/12,07/30/12,100
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 12:15:21 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 :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : Y8498.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 18:26
Operator : YG
Sample : Q-12_(4.0-,07662-038,S,5.09g,17.9,08/07/12,4
Misc : 120807-05,07/30/12,07/30/12,10
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 14:13:55 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	1961.9E6	518.6E6	20.636	14.836 #
Spiked Amount 200.000			Recovery	=	10.32%	7.42%
2) S DCB	12.10	12.49	441.8E6	137.8E6	21.440m	16.038m#
Spiked Amount 200.000			Recovery	=	10.72%	8.02%
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
18) L5 Aroclor-1242	4.11	4.76	6073.4E6	944.0E6	2741.981	1834.767 #
19) L5 Aroclor-1242 {2}	5.05	5.51	3877.2E6	1778.6E6	2787.907	1968.827m#
20) L5 Aroclor-1242 {3}	5.37	6.11	4642.7E6	2285.1E6	2330.225	1952.170
21) L5 Aroclor-1242 {4}	6.06	6.27	5436.2E6	1836.0E6	1658.480	1879.054
22) L5 Aroclor-1242 {5}	6.33	6.80	5117.7E6	2742.4E6	1818.272	1412.008
Sum Aroclor-1242			25147.1E6	9586.1E6	11336.864	9046.825
Average Aroclor-1242					2267.373	1809.365
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

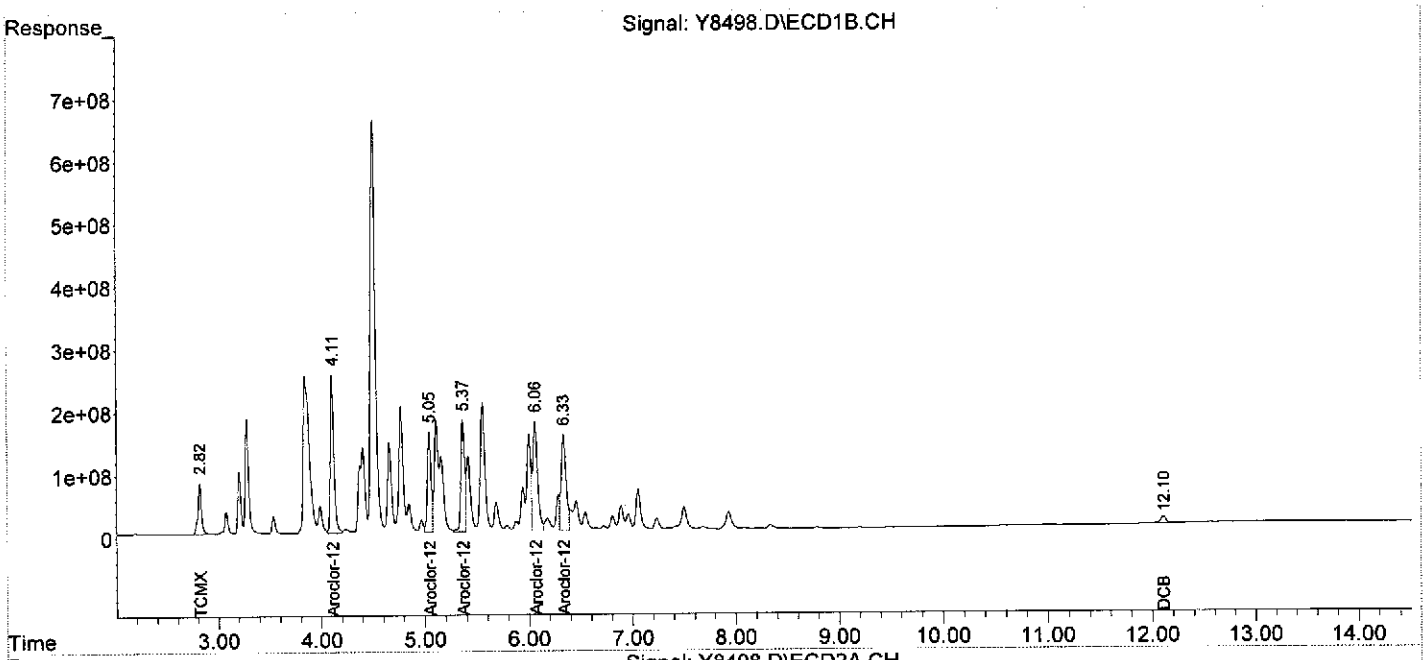
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

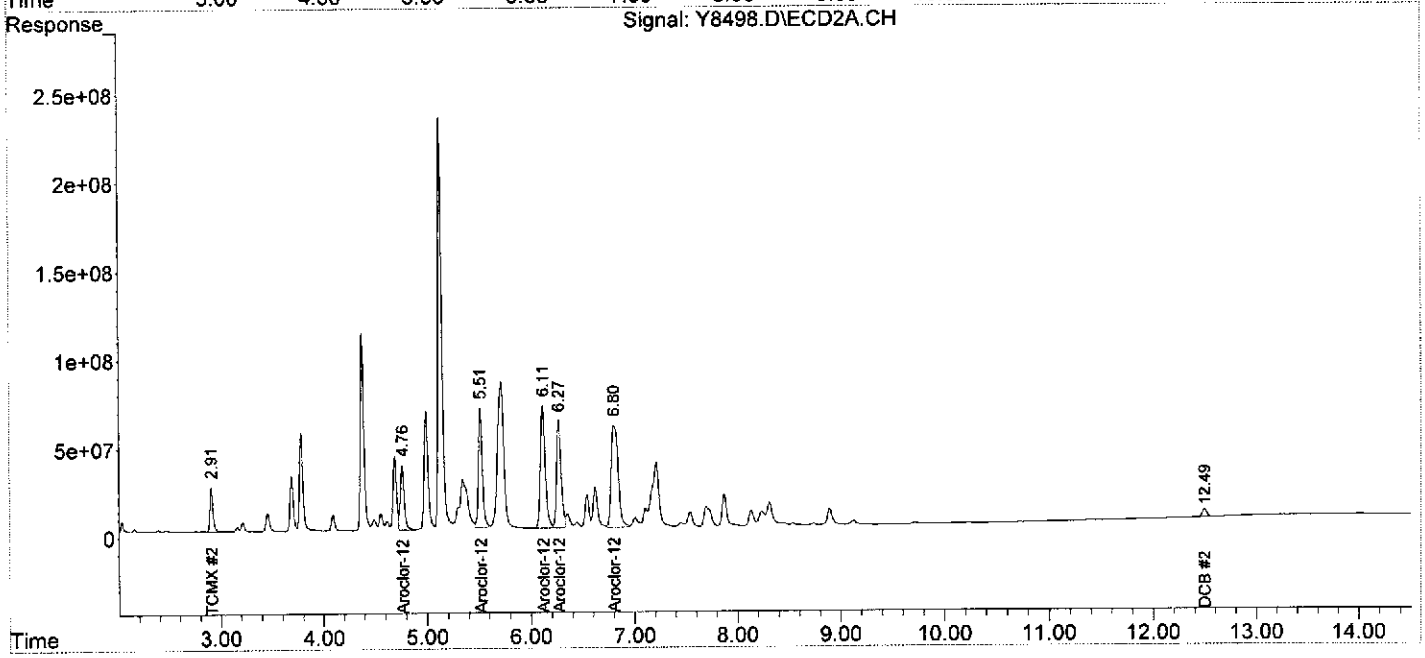
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-15-12\
Data File : Y8498.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 18:26
Operator : YG
Sample : Q-12_(4.0-,07662-038,S,5.09g,17.9,08/07/12,4
Misc : 120807-05,07/30/12,07/30/12,10
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 14:13:55 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 : Y8472.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 4:47
Operator : YG
Sample : Q-10_(0-2.,07662-039,S,5.01g,21.5,08/07/12,4
Misc : 120807-05,07/30/12,07/30/12,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:31:58 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	16938.6E6	6548.3E6	178.169	187.349
Spiked Amount 200.000			Recovery	=	89.08%	93.67%
2) S DCB	12.10	12.49	3753.5E6	1465.8E6	182.137	170.571m
Spiked Amount 200.000			Recovery	=	91.07%	85.29%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.13	2400.9E6	332.9E6	544.557	208.862 #
24) L6 Aroclor-1248 {2}	5.05	5.70	1212.7E6	1015.6E6	500.319	433.548
25) L6 Aroclor-1248 {3}	5.36	6.11	1387.3E6	672.4E6	452.117	396.958
26) L6 Aroclor-1248 {4}	6.06	6.27	1652.9E6	360.8E6	296.576	248.242
27) L6 Aroclor-1248 {5}	6.33	6.62	667.8E6	174.8E6	160.311	208.144 #
Sum Aroclor-1248			7321.5E6	2556.6E6	1953.881	1495.754
Average Aroclor-1248					390.776	299.151
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

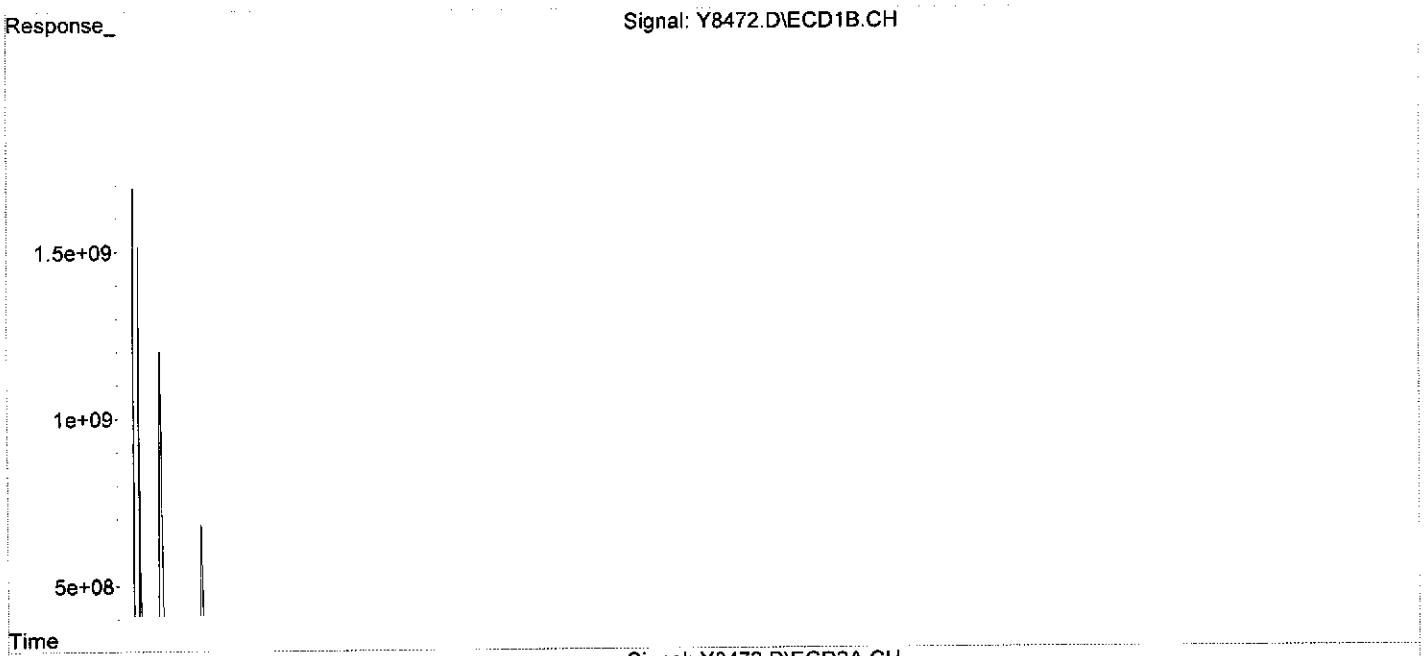
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

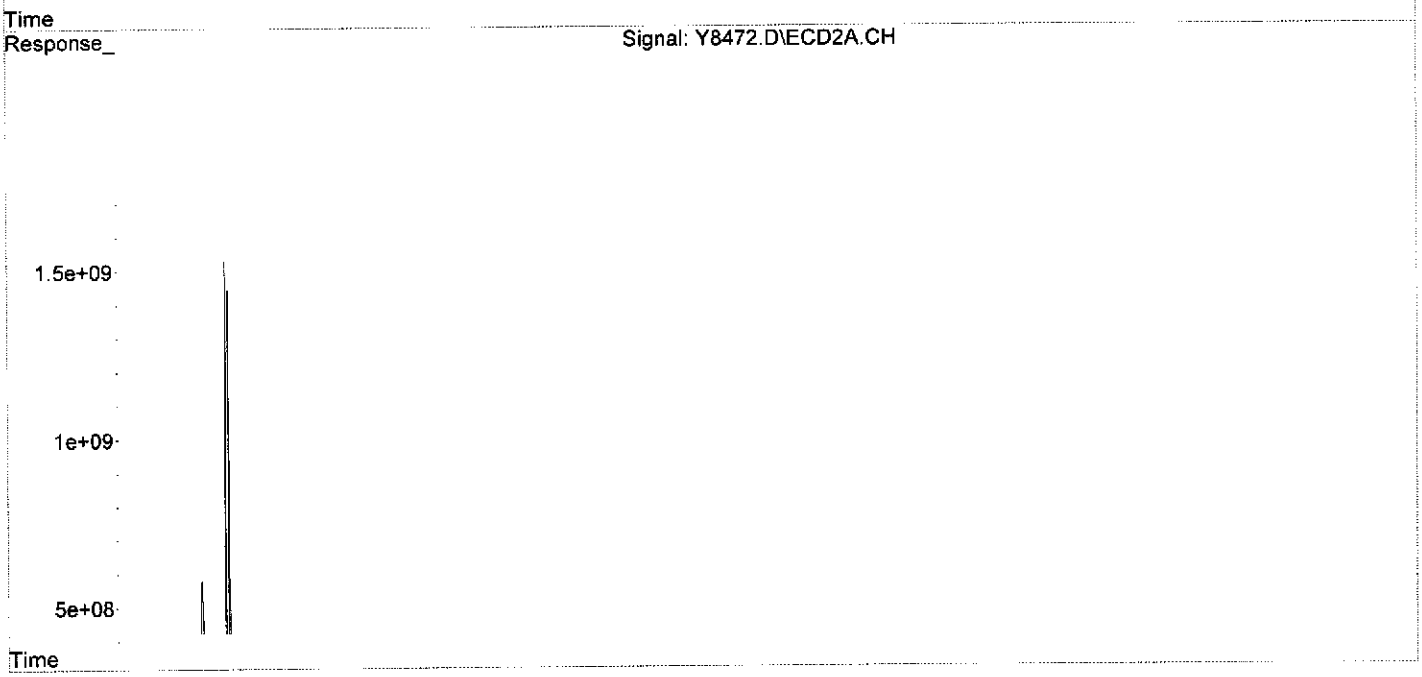
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8472.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 4:47
Operator : YG
Sample : Q-10_(0-2.,07662-039,S,5.01g,21.5,08/07/12,4
Misc : 120807-05,07/30/12,07/30/12,1
ALS Vial : 32 Sample Multiplier: 1

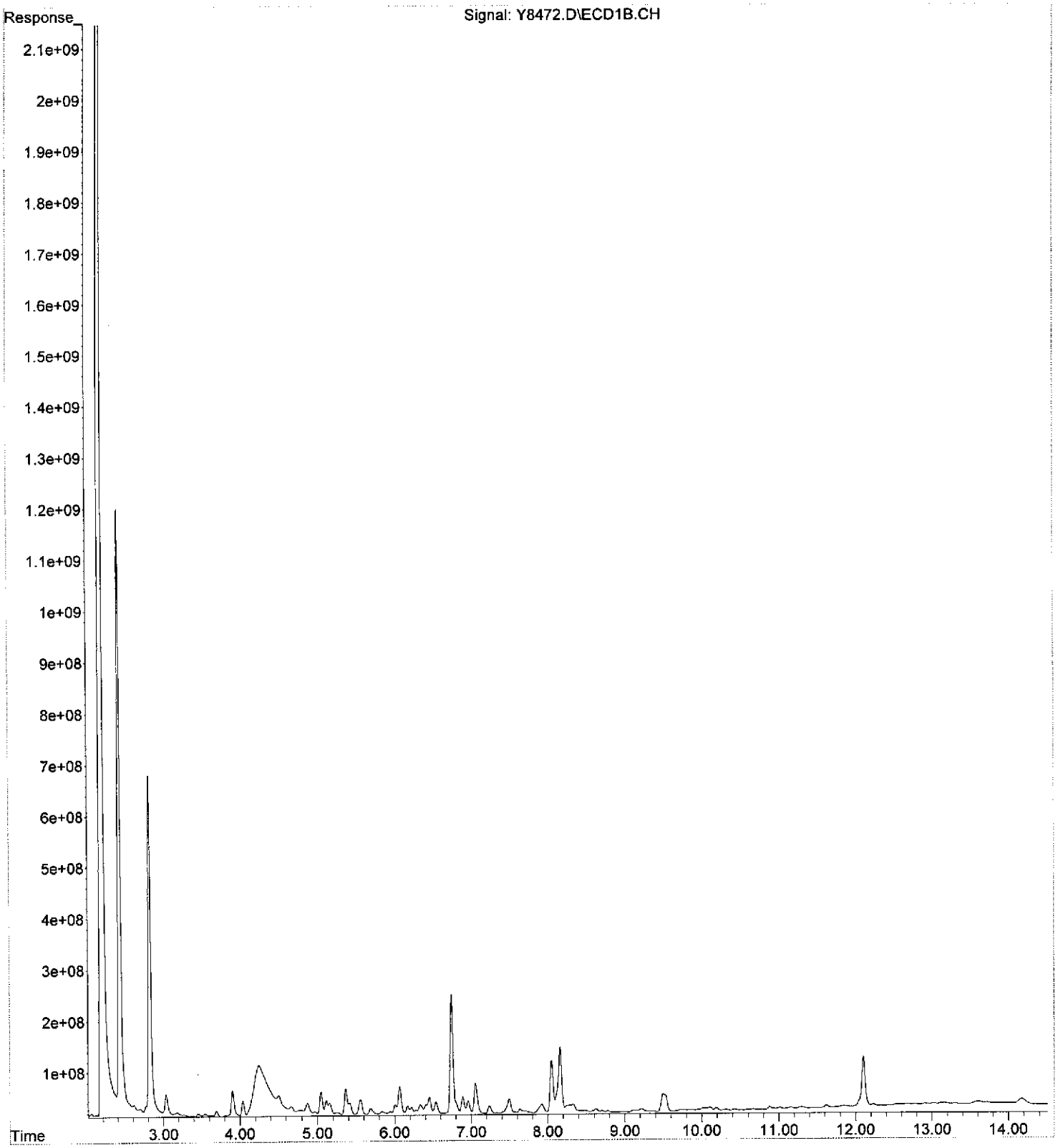
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:31:58 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

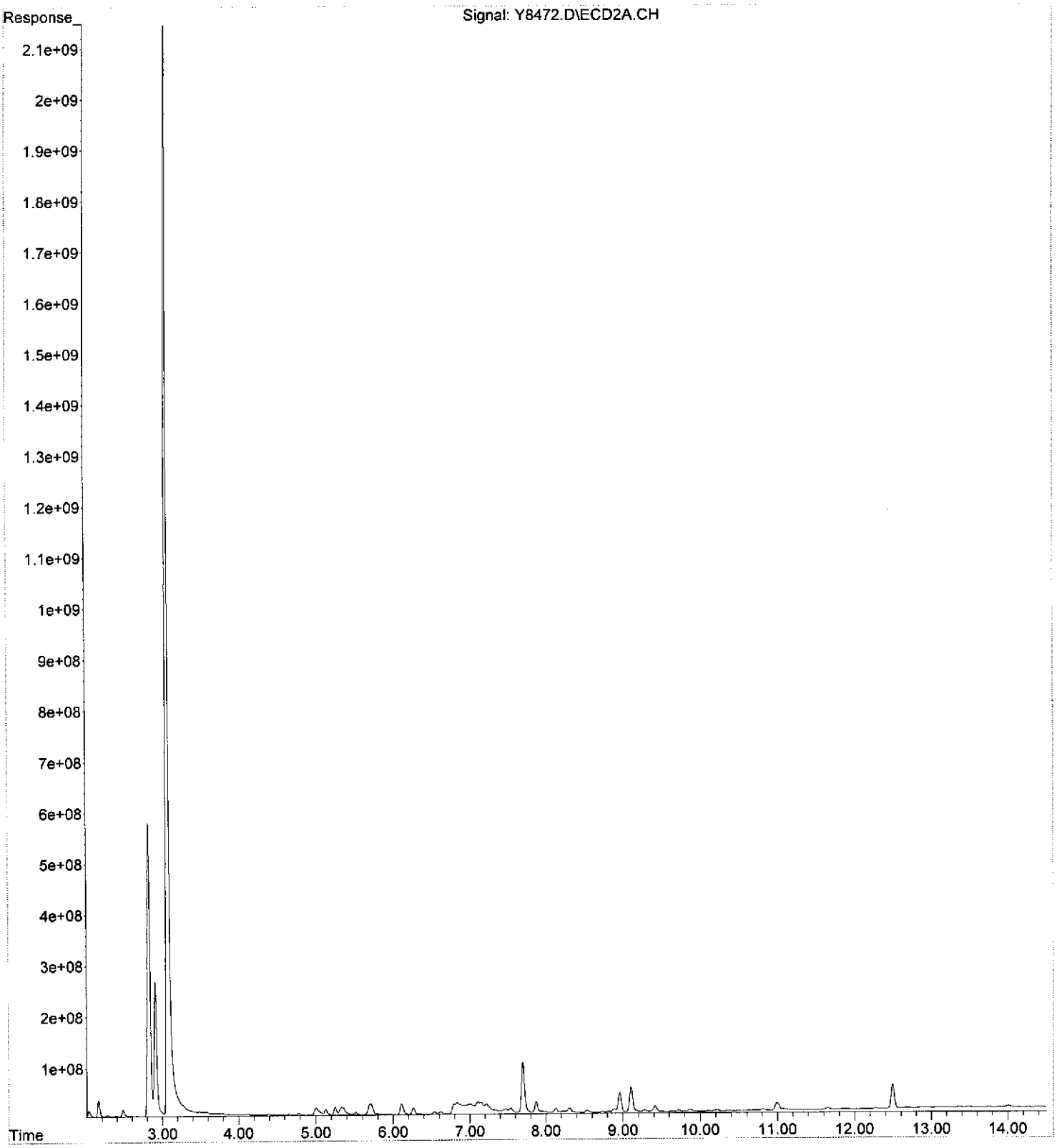




File :C:\MSDChem\1\DATA\08-14-12\Y8472.D
Operator : YG
Acquired : 15 Aug 2012 4:47 using AcqMethod YPCB0727.M
Instrument : GC_Y
Sample Name: Q-10_(0-2.,07662-039,S,5.01g,21.5,08/07/12,4
Misc Info : 120807-05,07/30/12,07/30/12,1
Vial Number: 32



File :C:\MSDChem\1\DATA\08-14-12\Y8472.D
Operator : YG
Acquired : 15 Aug 2012 4:47 using AcqMethod YPCB0727.M
Instrument : GC_Y
Sample Name: Q-10_(0-2.,07662-039,S,5.01g,21.5,08/07/12,4
Misc Info : 120807-05,07/30/12,07/30/12,1
Vial Number: 32



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8473.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 5:04
Operator : YG
Sample : Q-10_(2.0-,07662-040,S,5.16g,10.3,08/07/12,4
Misc : 120807-05,07/30/12,07/30/12,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:33:03 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	18902.3E6	6318.2E6	198.824	180.764
Spiked Amount 200.000			Recovery	=	99.41%	90.38%
2) S DCB	12.10	12.49	3944.3E6	1628.7E6	191.396	189.525m
Spiked Amount 200.000			Recovery	=	95.70%	94.76%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.13	87694027	24890964	19.890	15.614
24) L6 Aroclor-1248 {2}	5.05	5.71	22590038	29231036	9.320	12.478 #
25) L6 Aroclor-1248 {3}	5.36	6.11	41867874	18165139	13.644	10.724
26) L6 Aroclor-1248 {4}	6.07	6.27	67043608	12313038	12.030	8.471 #
27) L6 Aroclor-1248 {5}	6.33	6.61	40803575	10493463	9.795	12.498 #
Sum Aroclor-1248			260.0E6	95093639	64.680	59.785
Average Aroclor-1248					12.936	11.957
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

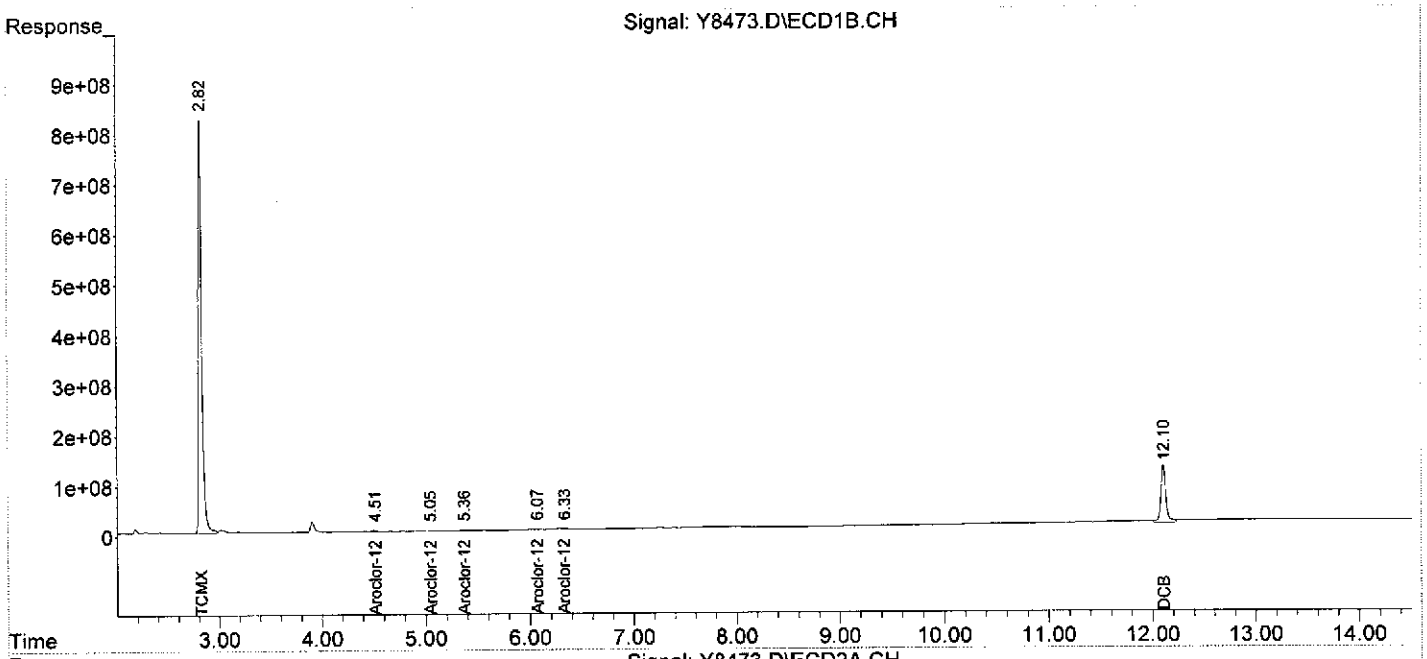
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

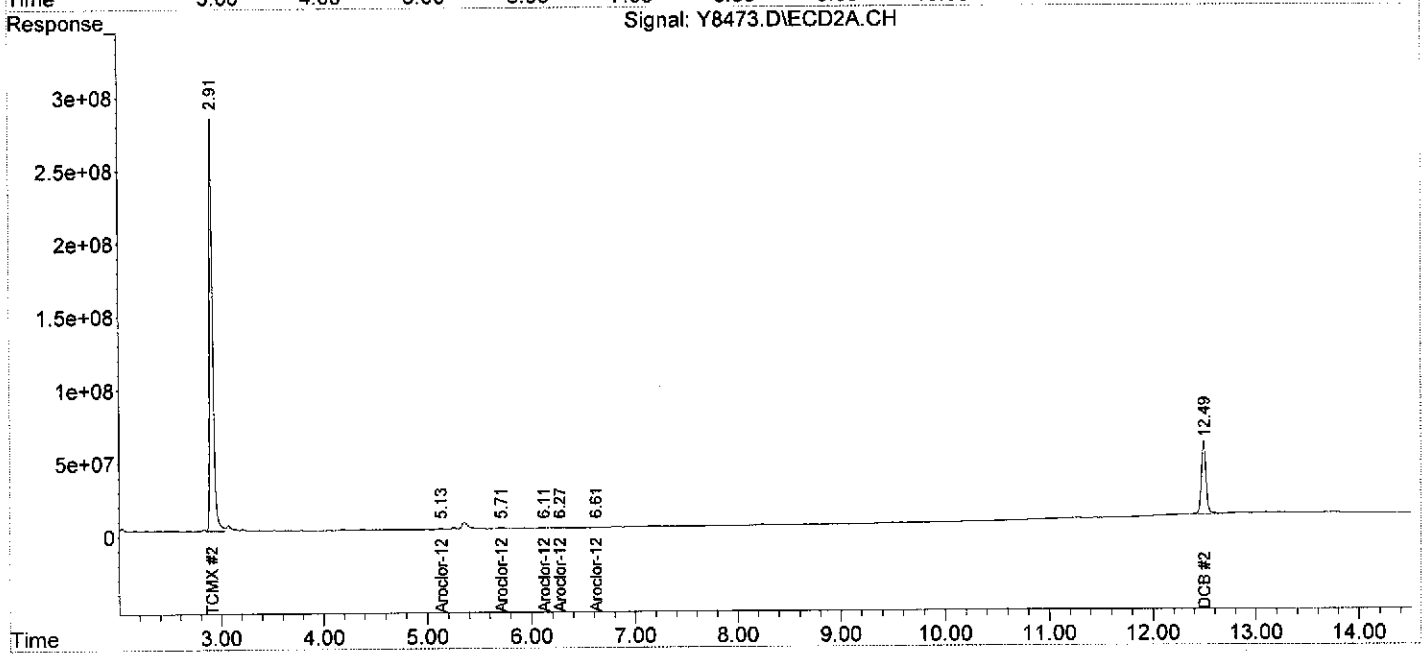
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8473.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 5:04
Operator : YG
Sample : Q-10_(2.0-,07662-040,S,5.16g,10.3,08/07/12,4
Misc : 120807-05,07/30/12,07/30/12,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:33:03 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 : Y8474.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 5:21
Operator : YG
Sample : Q-10_(4.0-,07662-041,S,5.63g,9.60,08/07/12,4
Misc : 120807-05,07/30/12,07/30/12,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:33:58 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	19411.8E6	6456.6E6	204.182	184.724
Spiked Amount 200.000			Recovery	=	102.09%	92.36%
2) S DCB	12.10	12.49	4172.0E6	1757.8E6	202.445	204.548
Spiked Amount 200.000			Recovery	=	101.22%	102.27%
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	87831595	32210716	19.921	20.206
24) L6 Aroclor-1248 {2}	5.05	5.71	35248088	42834260	14.543	18.285 #
25) L6 Aroclor-1248 {3}	5.37	6.11	58462841	30027993	19.053	17.728
26) L6 Aroclor-1248 {4}	6.06	6.27	87125922	23487505	15.633	16.158
27) L6 Aroclor-1248 {5}	6.33	6.62	69659850	17282240	16.723	20.583
Sum Aroclor-1248			338.3E6	145.8E6	85.873	92.960
Average Aroclor-1248					17.175	18.592
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

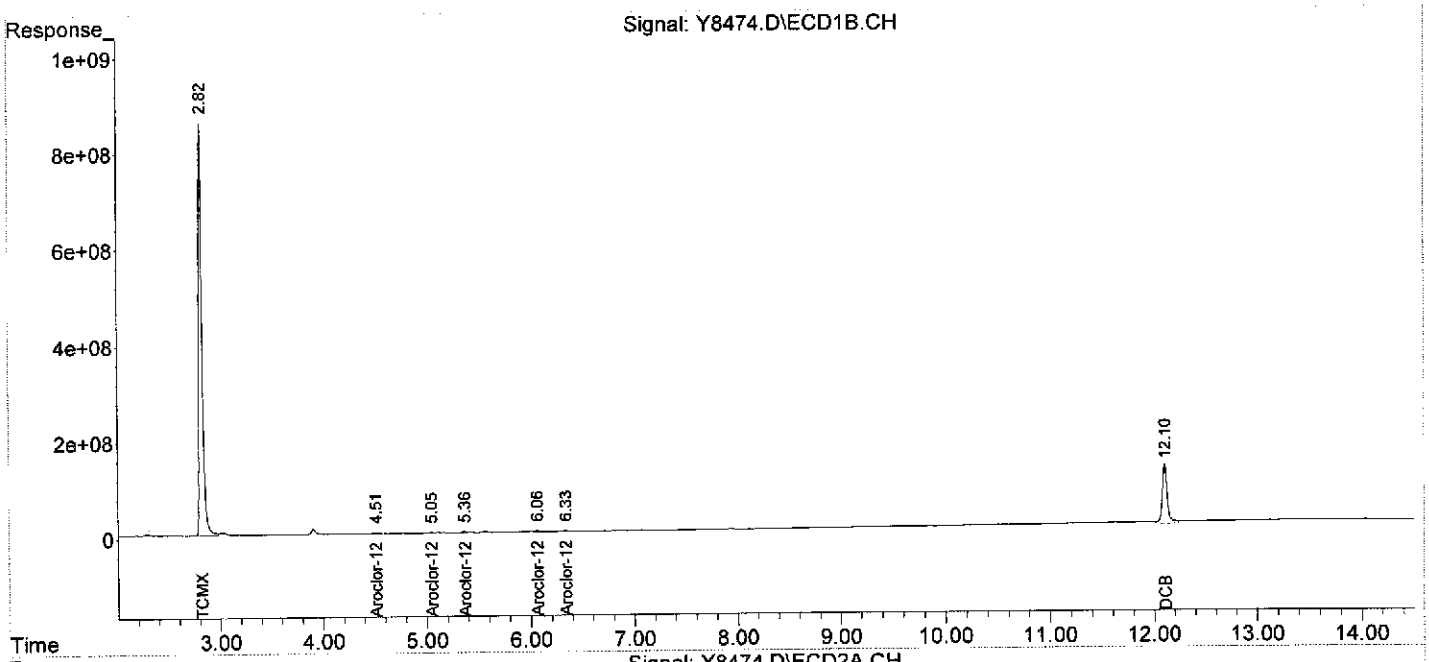
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

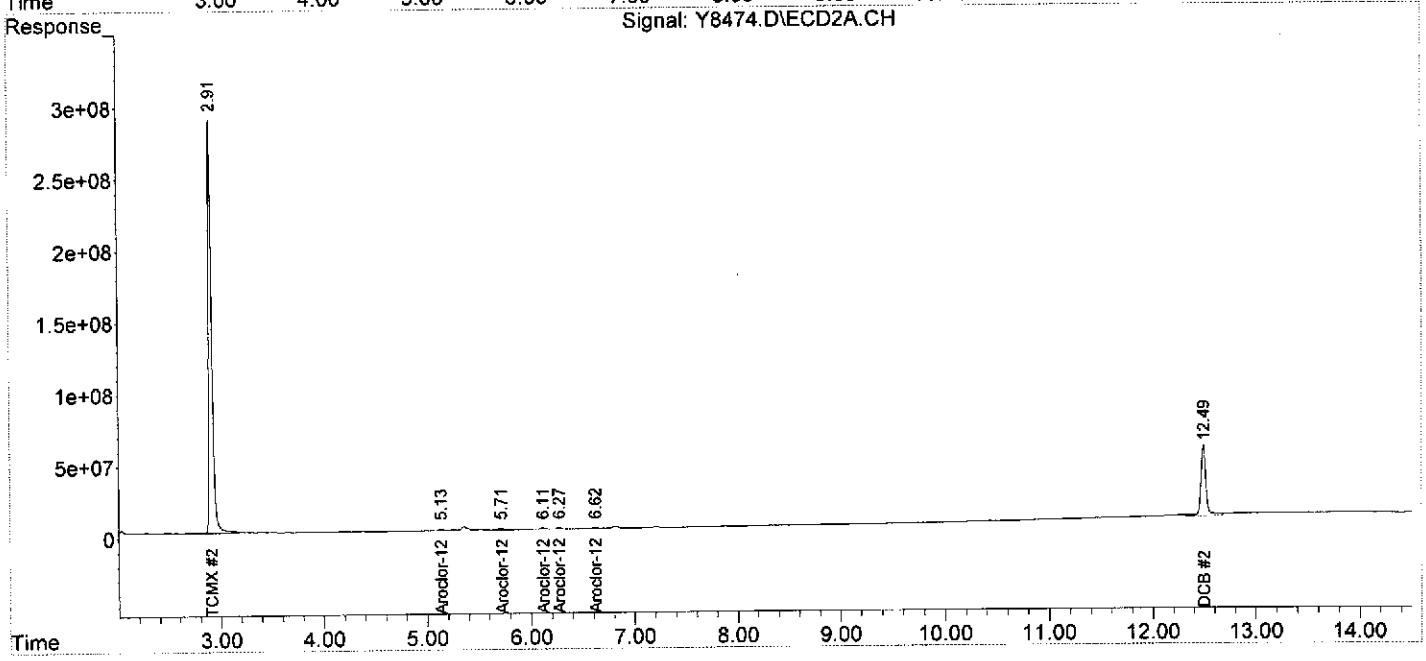
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8474.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 5:21
Operator : YG
Sample : Q-10_(4.0-,07662-041,S,5.63g,9.60,08/07/12,4
Misc : 120807-05,07/30/12,07/30/12,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:33:58 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 : Y8475.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 5:38
Operator : YG
Sample : Q-10_(4.75,07662-042,S,5.59g,20.0,08/07/12,4
Misc : 120807-05,07/30/12,07/30/12,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:36:47 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	20171.9E6	6521.9E6	212.178	186.591
Spiked Amount 200.000			Recovery	=	106.09%	93.30%
2) S DCB	12.10	12.49	4026.2E6	1631.5E6	195.367	189.859m
Spiked Amount 200.000			Recovery	=	97.68%	94.93%
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	38183275	14285114	8.660	8.961
24) L6 Aroclor-1248 {2}	5.05	5.71	12832590	19230407	5.294	8.209 #
25) L6 Aroclor-1248 {3}	5.36	6.11	52218226	22975572	17.017	13.564
26) L6 Aroclor-1248 {4}	6.06	6.27	39142698	11734652	7.023	8.073
27) L6 Aroclor-1248 {5}	0.00	6.62	0	6699739	N.D. d	7.979 #
Sum Aroclor-1248			142.4E6	74925484	37.996	46.787
Average Aroclor-1248					9.499	9.357
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

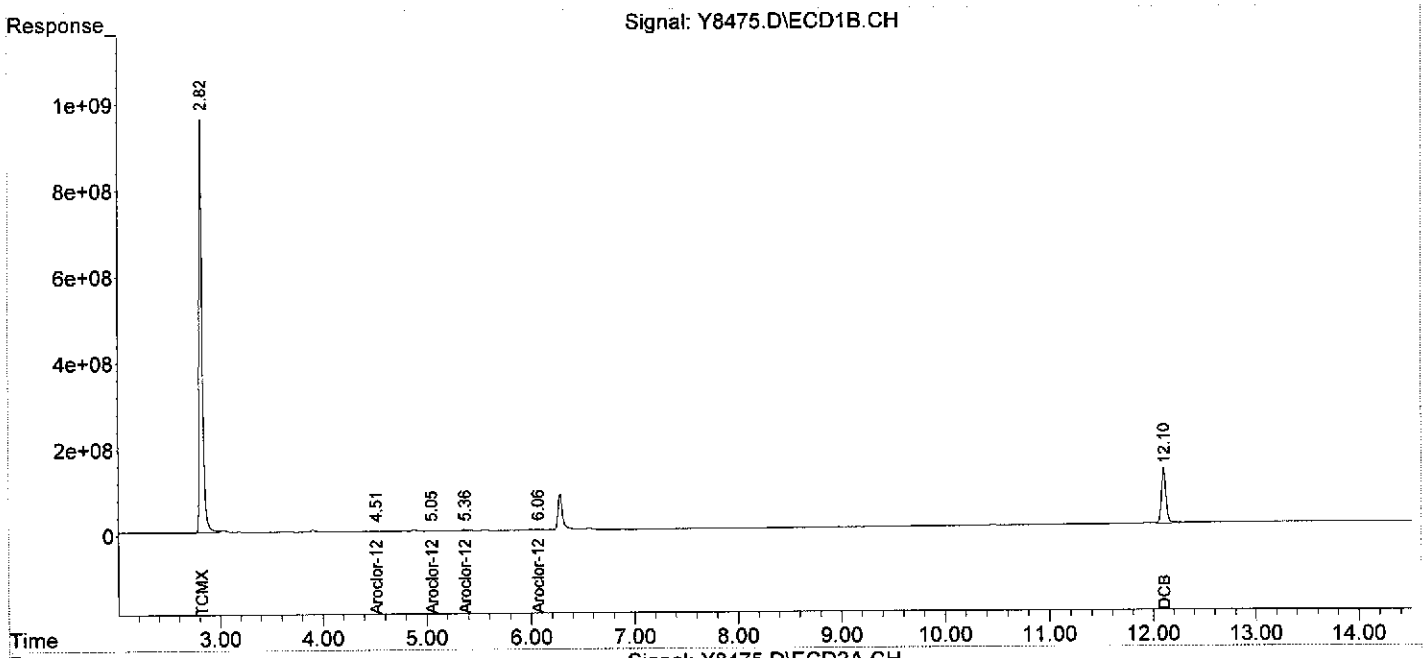
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

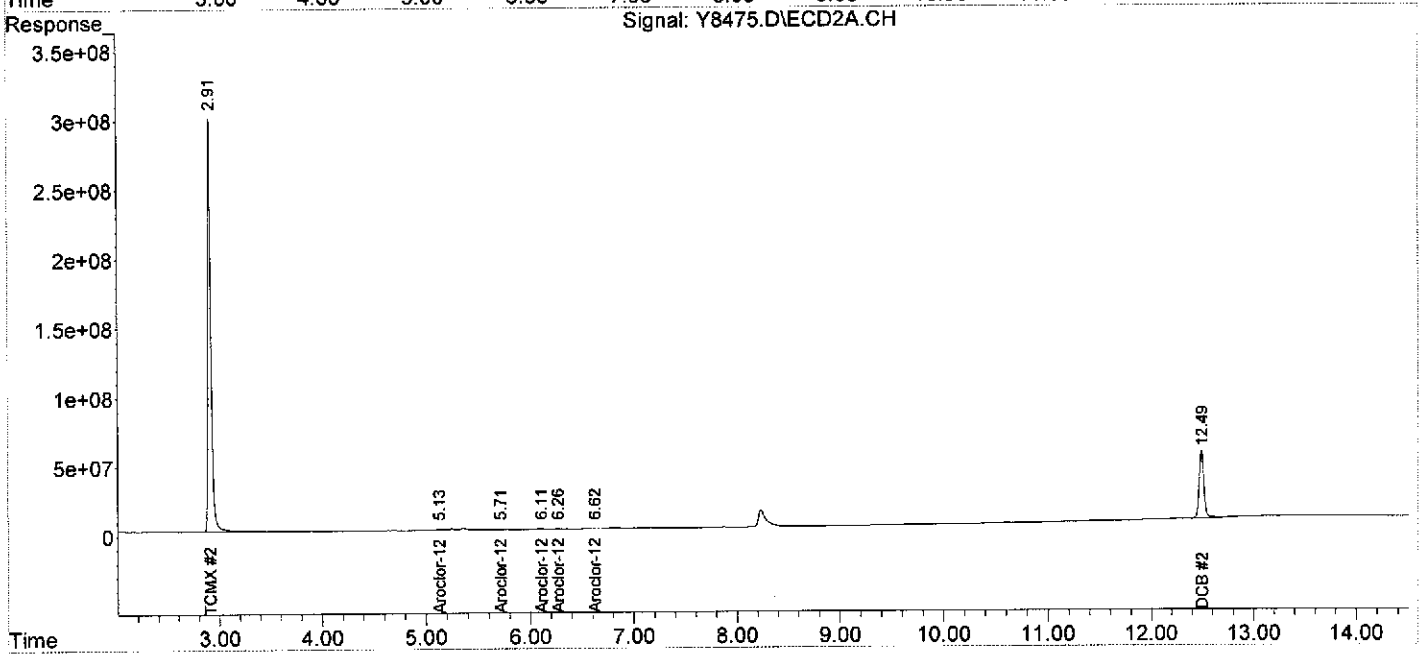
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : Y8475.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 5:38
Operator : YG
Sample : Q-10_(4.75,07662-042,S,5.59g,20.0,08/07/12,4
Misc : 120807-05,07/30/12,07/30/12,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 16 14:36:47 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\08-08-12\
Data File : R2592.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 Aug 2012 20:22
Operator : YG
Sample : FB-23,07662-043,A,1000ml,100,08/06/12,1
Misc : 120806-13,07/30/12,07/30/12,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 10 13:34:07 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	29772.2E6	20822.7E6	173.278	144.652
Spiked Amount 200.000			Recovery	=	86.64%	72.33%
2) S DCB	13.10	13.18	5740.4E6	3501.4E6	98.338m	87.413m
Spiked Amount 200.000			Recovery	=	49.17%	43.71%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

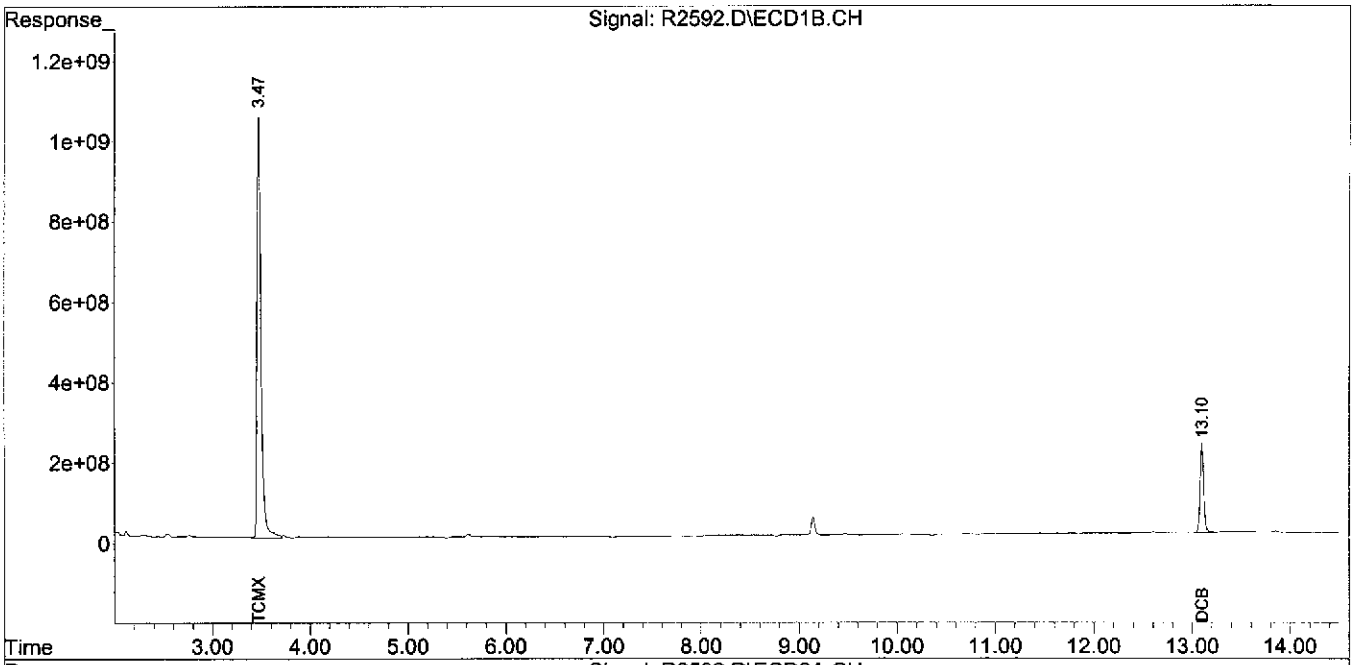
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

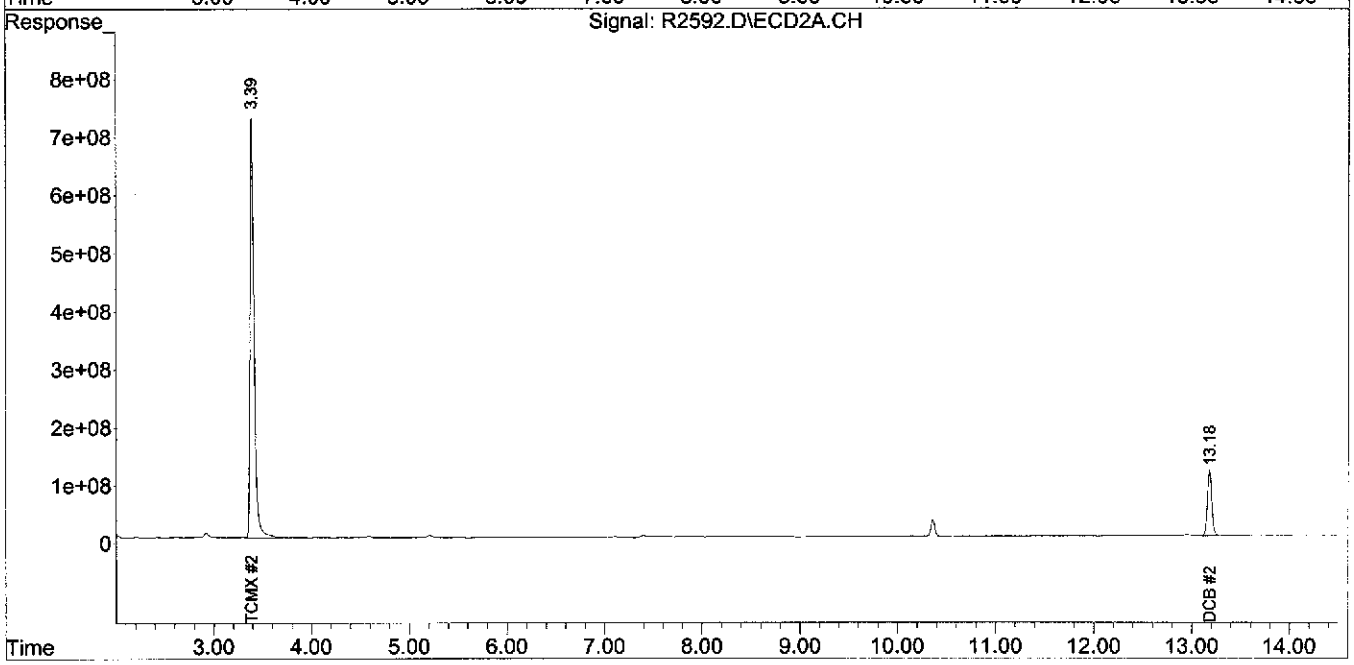
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-08-12\
Data File : R2592.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 Aug 2012 20:22
Operator : YG
Sample : FB-23,07662-043,A,1000ml,100,08/06/12,1
Misc : 120806-13,07/30/12,07/30/12,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 10 13:34:07 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

E12-07662 0222

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

E12-07662 0223

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

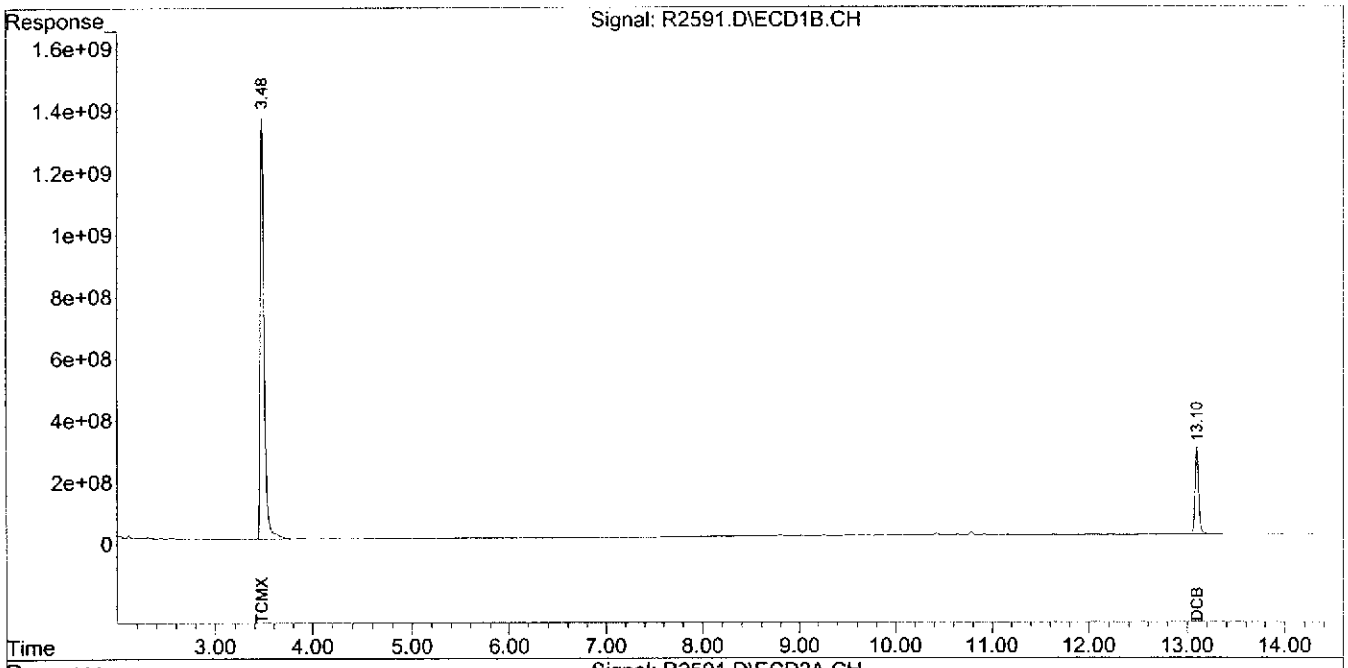
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

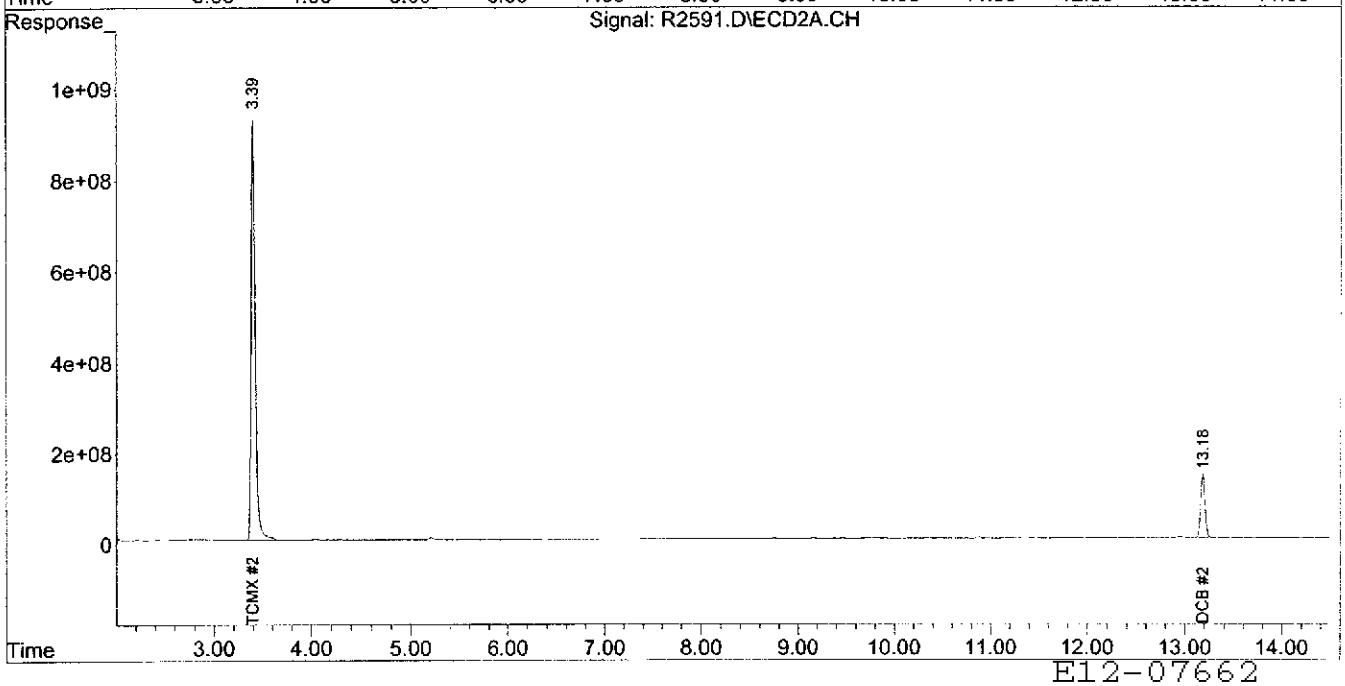
Quantitation Report (Not Reviewed)

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: BLKS120806-04
Client ID: PCB
Date Received: NA
Date Extracted: 08/06/2012
Date Analyzed: 08/14/2012
Data file: R2874.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\08-13-12\
Data File : R2874.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 3:20
Operator : YG
Sample : PCB,BLKS120806-04,S,5.00g,0,08/06/12,4
Misc : NA,NA,NA,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:22:43 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	42464.1E6	33125.0E6	247.146	230.115
Spiked Amount 200.000			Recovery	=	123.57%	115.06%
2) S DCB	13.10	13.17	10722.4E6	7411.4E6	183.683	185.026
Spiked Amount 200.000			Recovery	=	91.84%	92.51%
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

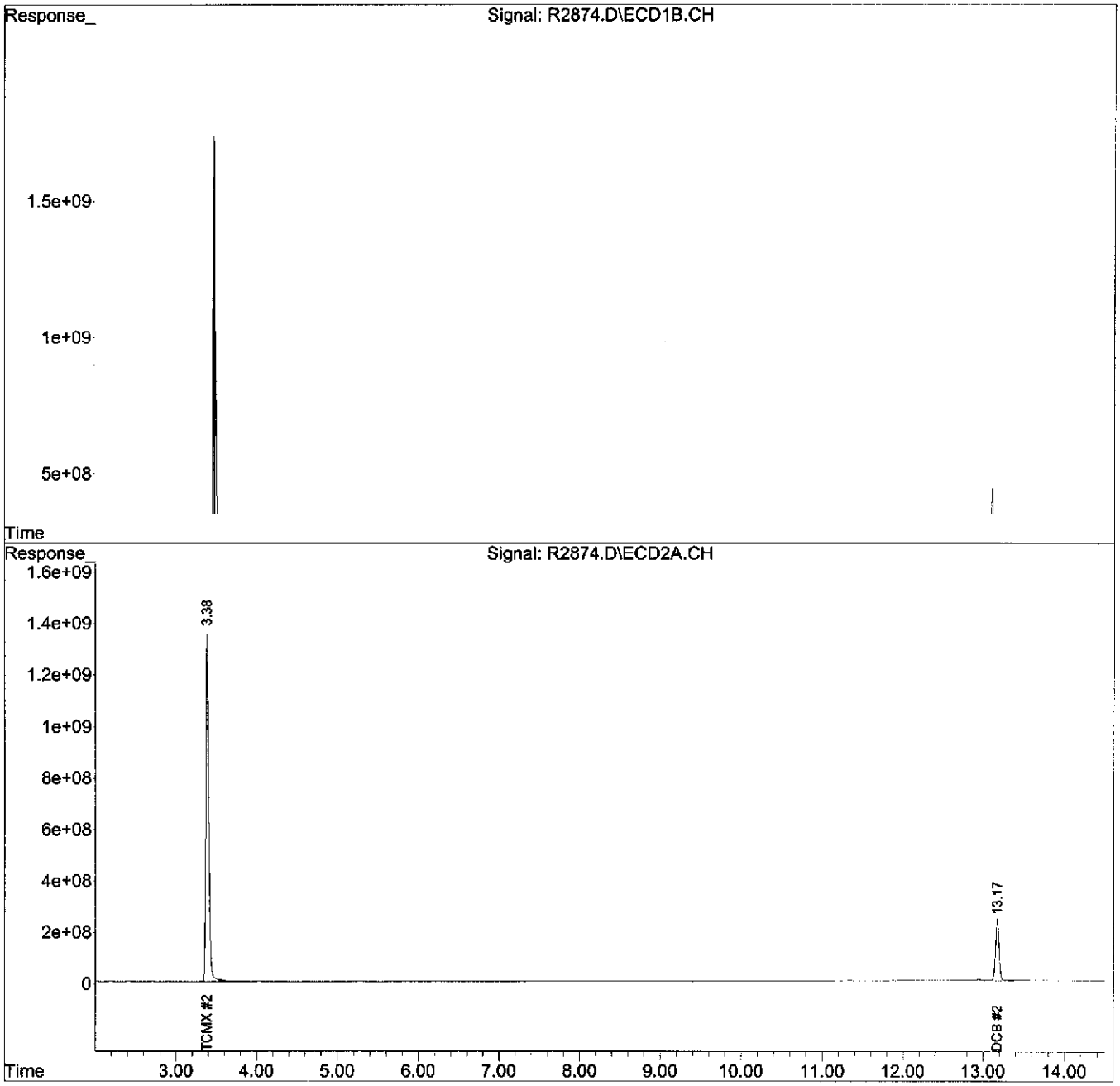
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

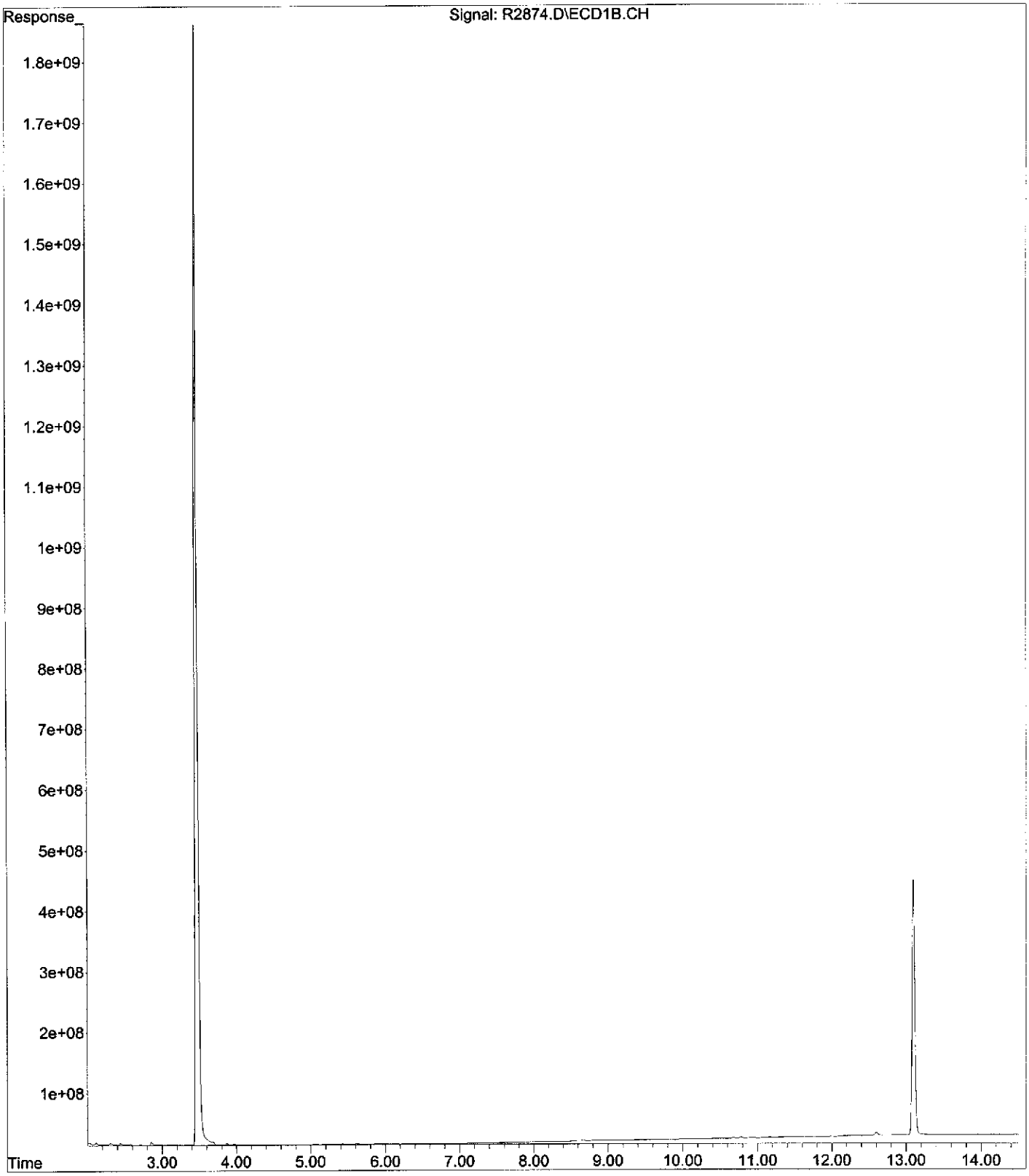
Data Path : C:\MSDCHEM\1\DATA\08-13-12\
Data File : R2874.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Aug 2012 3:20
Operator : YG
Sample : PCB,BLKS120806-04,S,5.00g,0,08/06/12,4
Misc : NA,NA,NA,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 17 11:22:43 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\08-13-12\R2874.D
Operator : YG
Acquired : 14 Aug 2012 3:20 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: PCB,BLKS120806-04,S,5.00g,0,08/06/12,4
Misc Info : NA,NA,NA,1
Vial Number: 26



INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKS120802-10
Client ID: PCB
Date Received: NA
Date Extracted: 08/02/2012
Date Analyzed: 08/15/2012
Data file: R2948.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 : R2948.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 2:53
Operator : YG
Sample : PCB,BLKS120802-10,S,5.00g,0,08/02/12,4
Misc : NA,NA,NA,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 09:25:56 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	47643.0E6	36315.0E6	277.288	252.275
Spiked Amount 200.000			Recovery	=	138.64%	126.14%
2) S DCB	13.10	13.17	11324.1E6	6040.4E6	193.991m	150.799
Spiked Amount 200.000			Recovery	=	97.00%	75.40%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

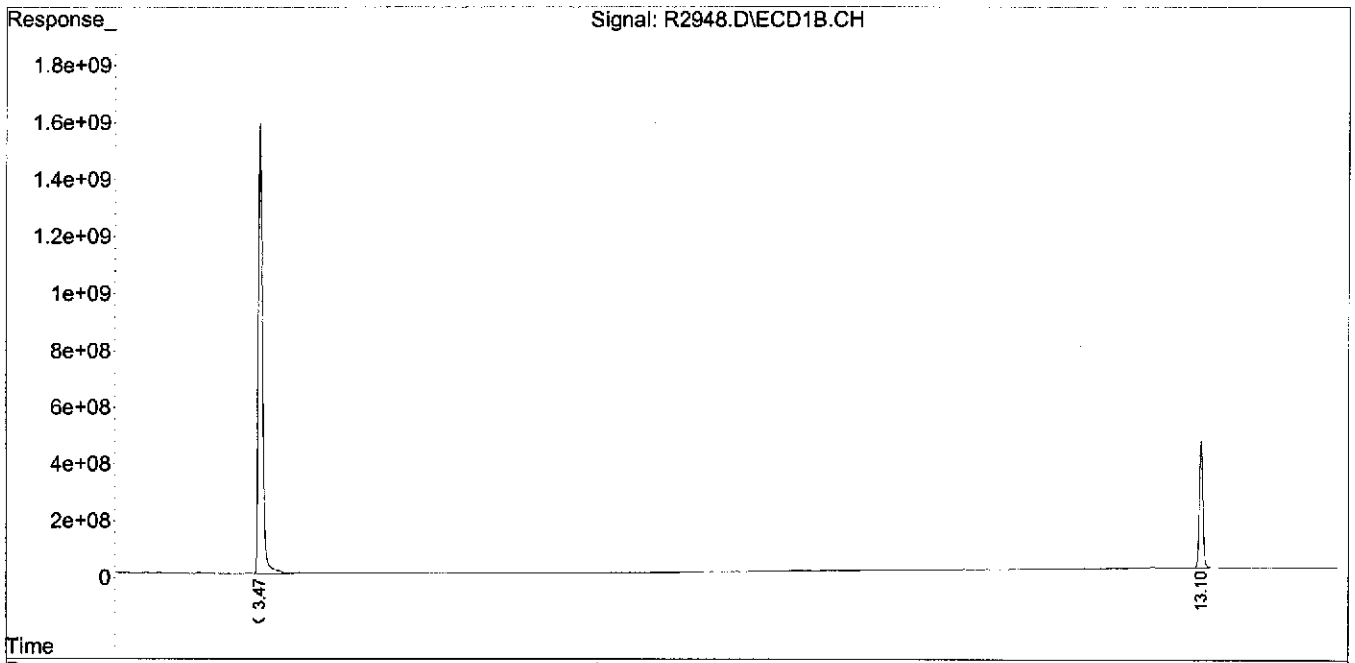
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

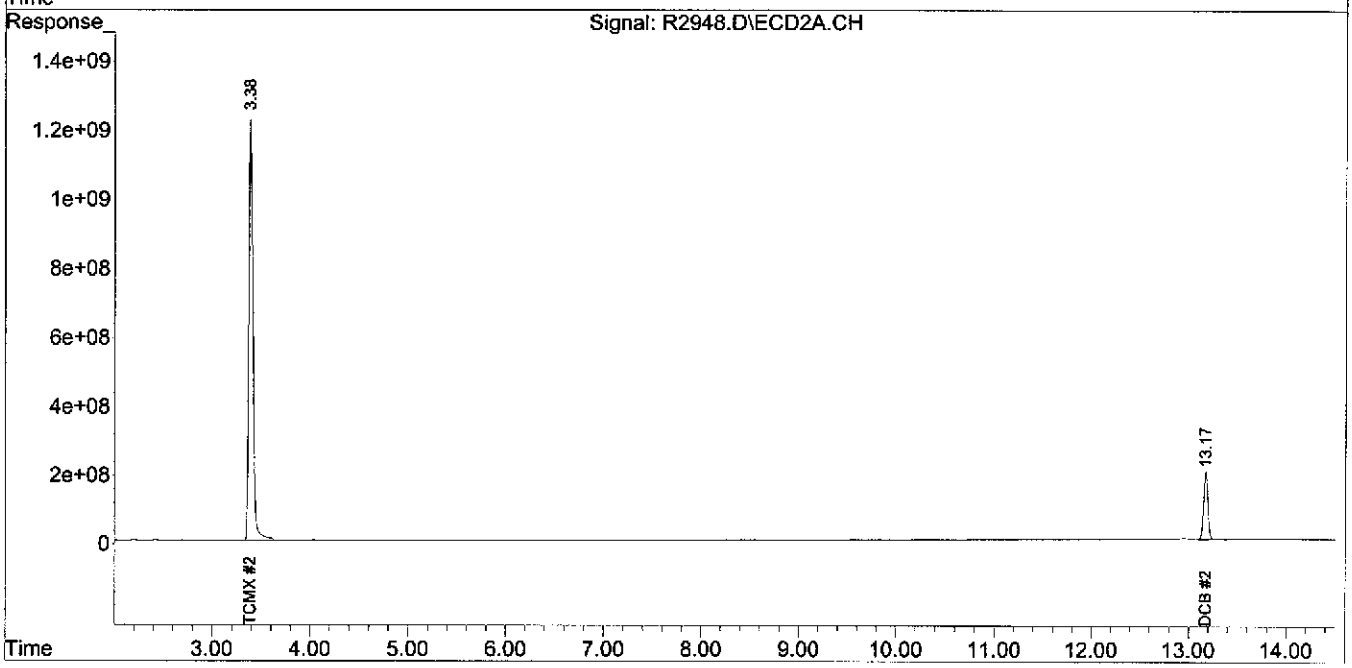
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-14-12\
Data File : R2948.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Aug 2012 2:53
Operator : YG
Sample : PCB,BLKS120802-10,S,5.00g,0,08/02/12,4
Misc : NA,NA,NA,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 20 09:25:56 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 :





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

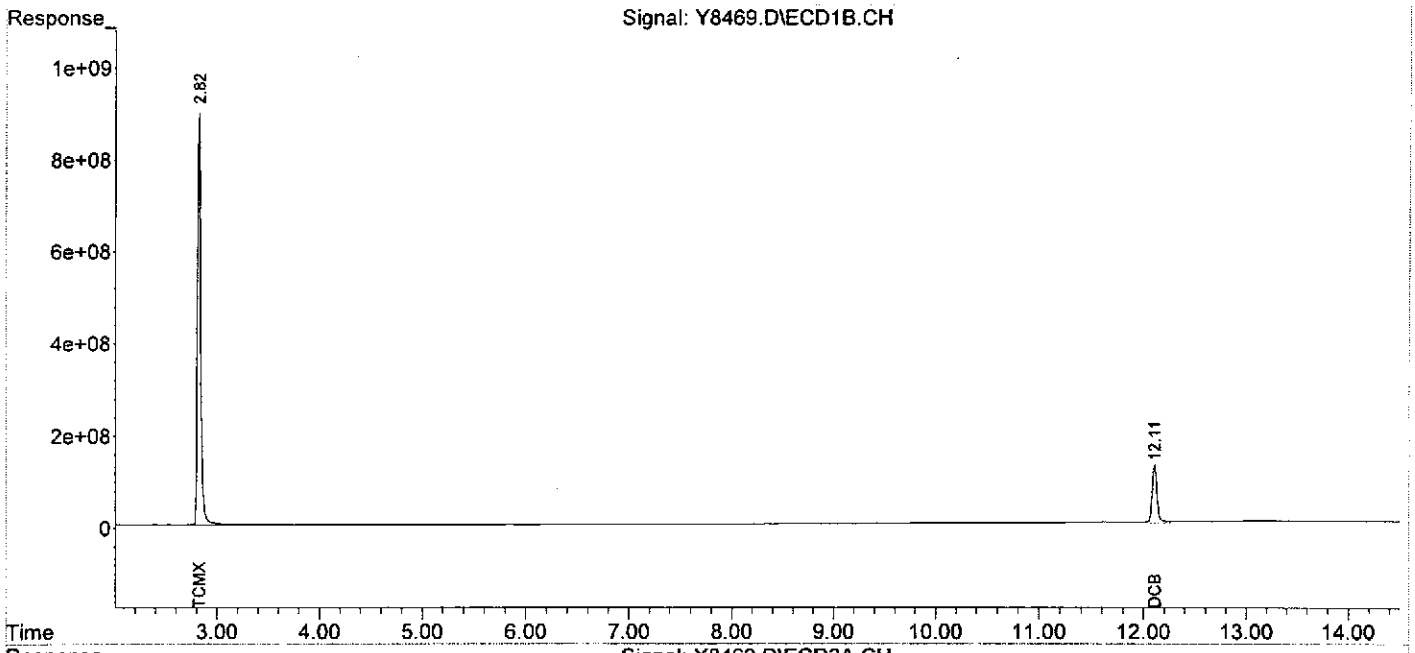
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

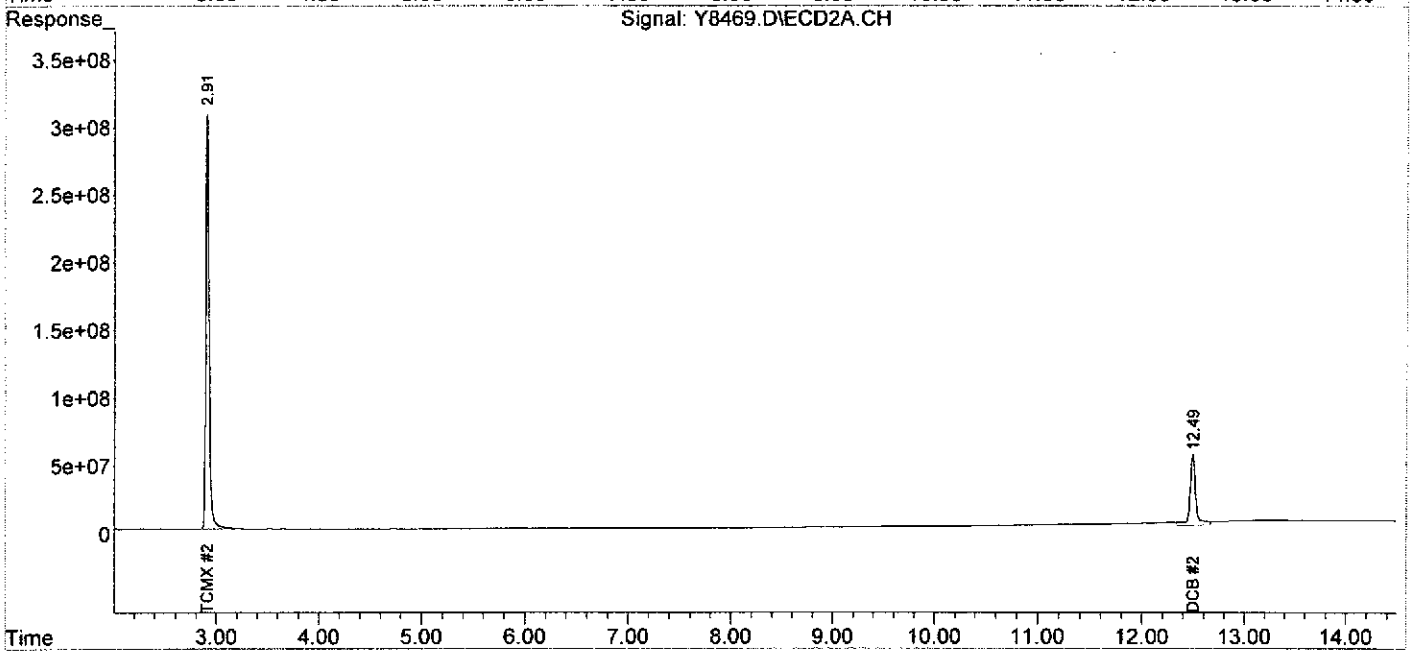
Quantitation Report (QT Reviewed)

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 :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-03-12\
Data File : R2320.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 03 Aug 2012 11:46
Operator : YG
Sample : 8082_1242_IAS_4308,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 03 16:31:16 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:30:54 2012
Response via : Initial 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	40675.5E6	33008.4E6	241.960	237.627
Spiked Amount 200.000			Recovery	=	120.98%	118.81%
2) S DCB	13.10	13.19	11535.5E6	7710.4E6	215.686	213.837
Spiked Amount 200.000			Recovery	=	107.84%	106.92%
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
18) L5 Aroclor-1242	4.87	5.33	1802.4E6	867.4E6	500.000	500.000
19) L5 Aroclor-1242 {2}	5.86	6.09	1152.1E6	1468.7E6	500.000	500.000
20) L5 Aroclor-1242 {3}	6.19	6.70	1625.6E6	1963.3E6	500.000	500.000
21) L5 Aroclor-1242 {4}	6.91	6.86	2338.1E6	1651.2E6	500.000	500.000
22) L5 Aroclor-1242 {5}	7.20	7.42	2213.4E6	1540.5E6	500.000	500.000
Sum Aroclor-1242			9131.8E6	7491.2E6	2500.000	2500.000
Average Aroclor-1242					500.000	500.000
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

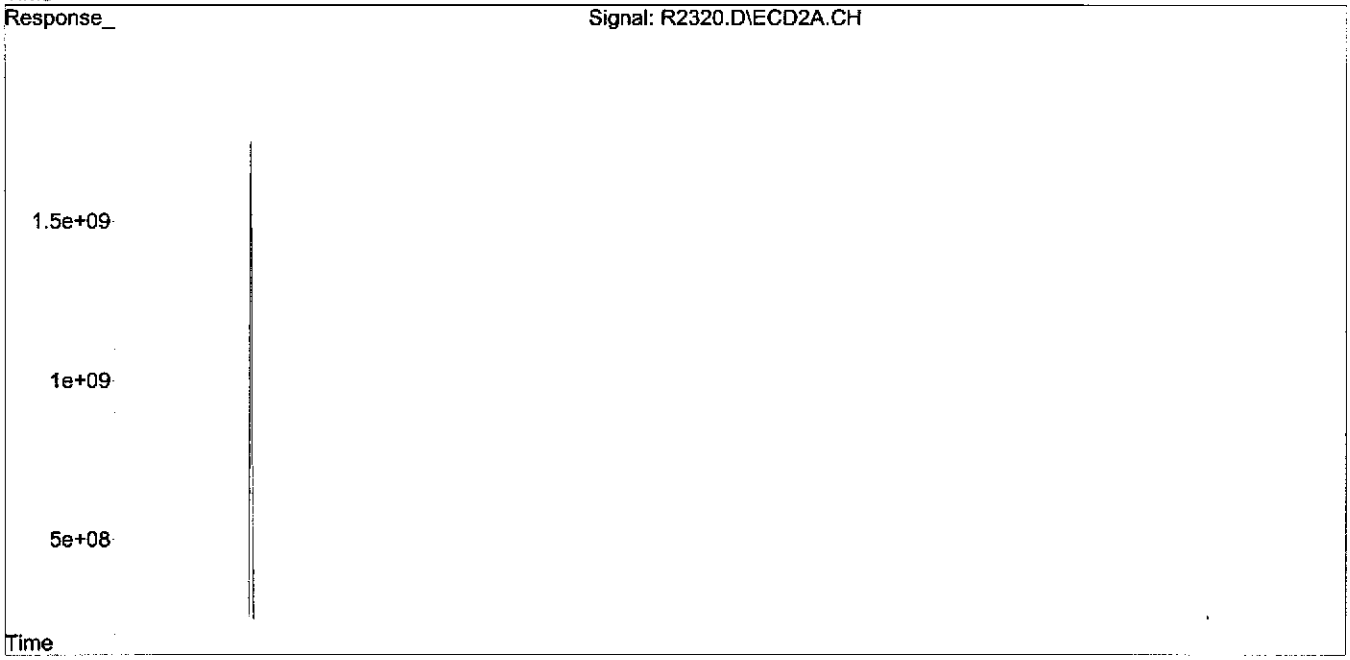
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

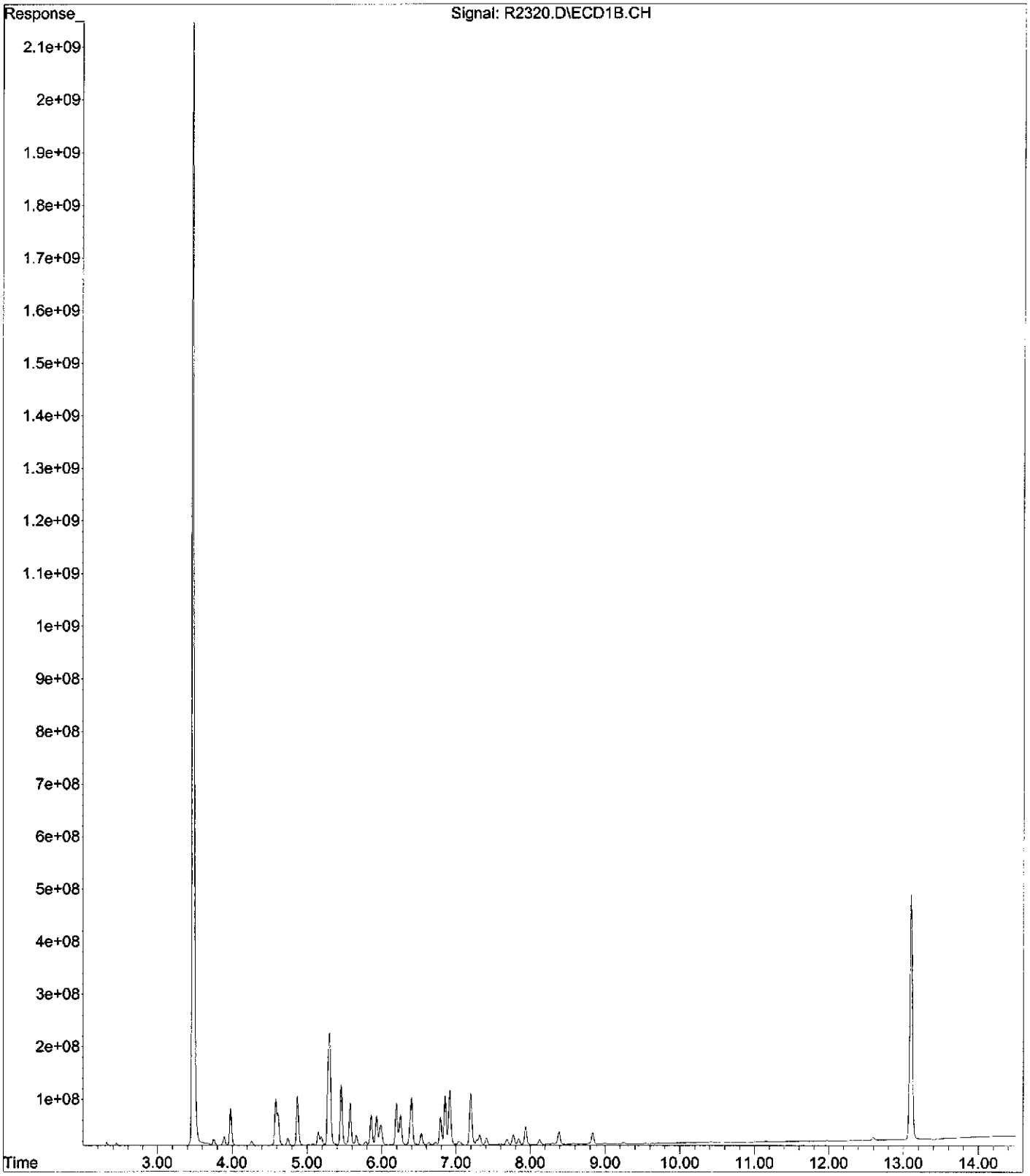
Data Path : C:\MSDCHEM\1\DATA\08-03-12\
Data File : R2320.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 03 Aug 2012 11:46
Operator : YG
Sample : 8082_1242_IAS_4308,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 03 16:31:16 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:30:54 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

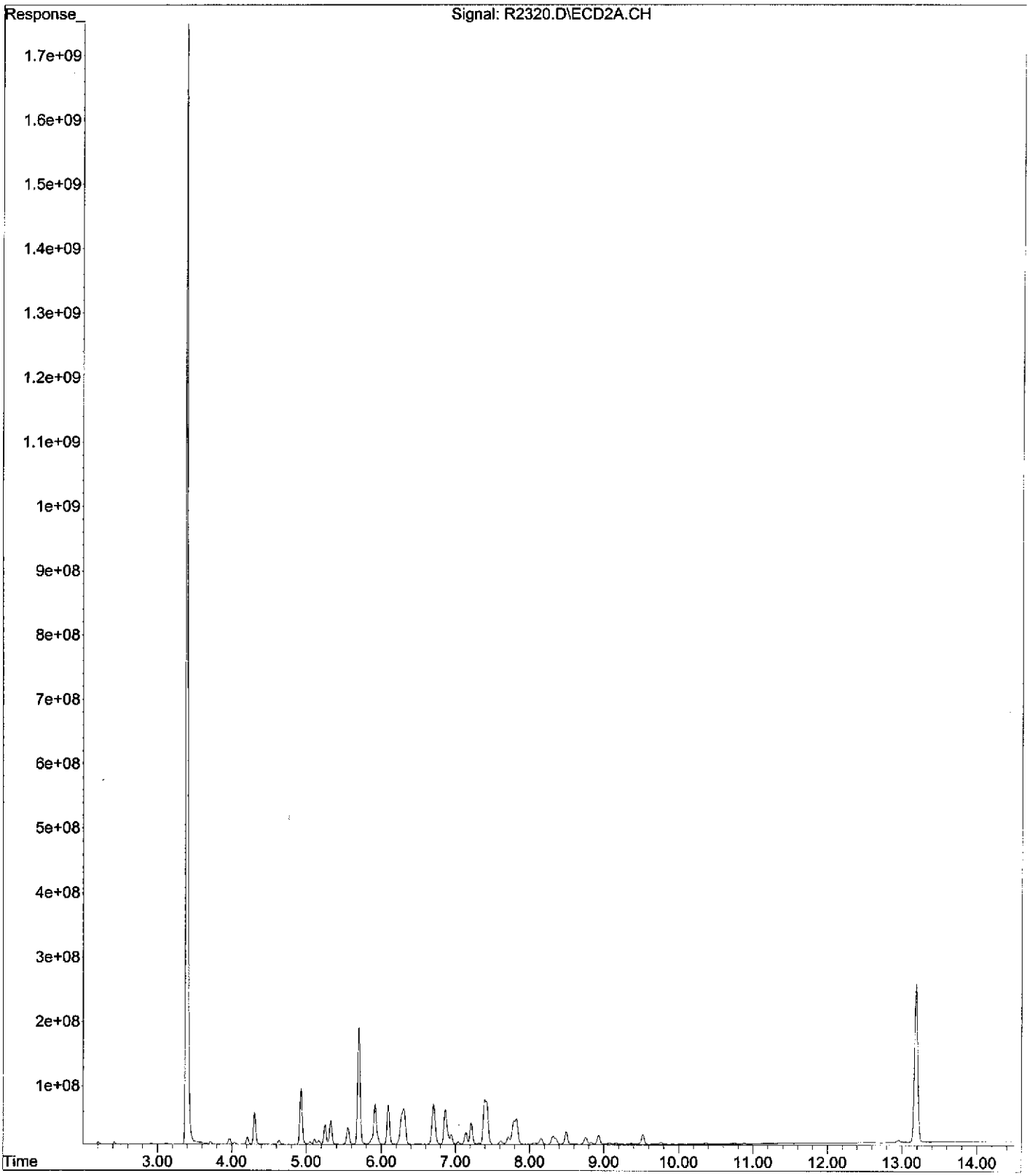
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File :C:\MSDChem\1\DATA\08-03-12\R2320.D
Operator : YG
Acquired : 03 Aug 2012 11:46 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: 8082_1242_IAS_4308,0.5_PPM
Misc Info : NA,NA,NA,1
Vial Number: 8



File :C:\MSDChem\1\DATA\08-03-12\R2320.D
Operator : YG
Acquired : 03 Aug 2012 11:46 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: 8082_1242_IAS_4308,0.5_PPM
Misc Info : NA,NA,NA,1
Vial Number: 8



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-03-12\
Data File : R2321.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 03 Aug 2012 12:03
Operator : YG
Sample : 8082_1248_IAS_4309,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 03 16:32:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:32:34 2012
Response via : Initial 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	39548.9E6	31592.7E6	236.846	229.777
Spiked Amount 200.000			Recovery	=	118.42%	114.89%
2) S DCB	13.10	13.19	12589.8E6	7521.2E6	230.847	209.692
Spiked Amount 200.000			Recovery	=	115.42%	104.85%
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
23) L6 Aroclor-1248	5.29	5.70	3808.7E6	2792.3E6	500.000	500.000
24) L6 Aroclor-1248 {2}	5.86	6.30	2145.0E6	3992.7E6	500.000	500.000
25) L6 Aroclor-1248 {3}	6.19	6.70	2746.5E6	2984.1E6	500.000	500.000
26) L6 Aroclor-1248 {4}	6.92	6.86	4260.1E6	2553.0E6	500.000	500.000
27) L6 Aroclor-1248 {5}	7.20	7.22	3579.5E6	1443.9E6	500.000	500.000
Sum Aroclor-1248			16539.7E6	13766.1E6	2500.000	2500.000
Average Aroclor-1248					500.000	500.000
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

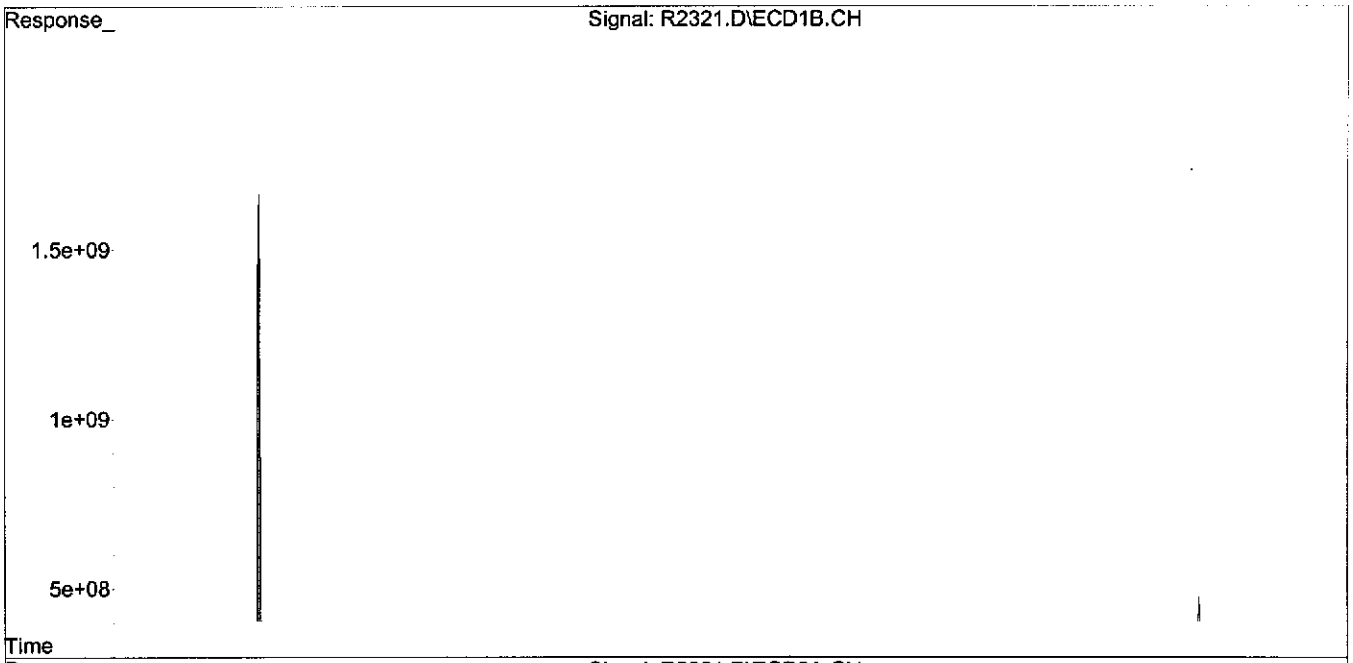
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

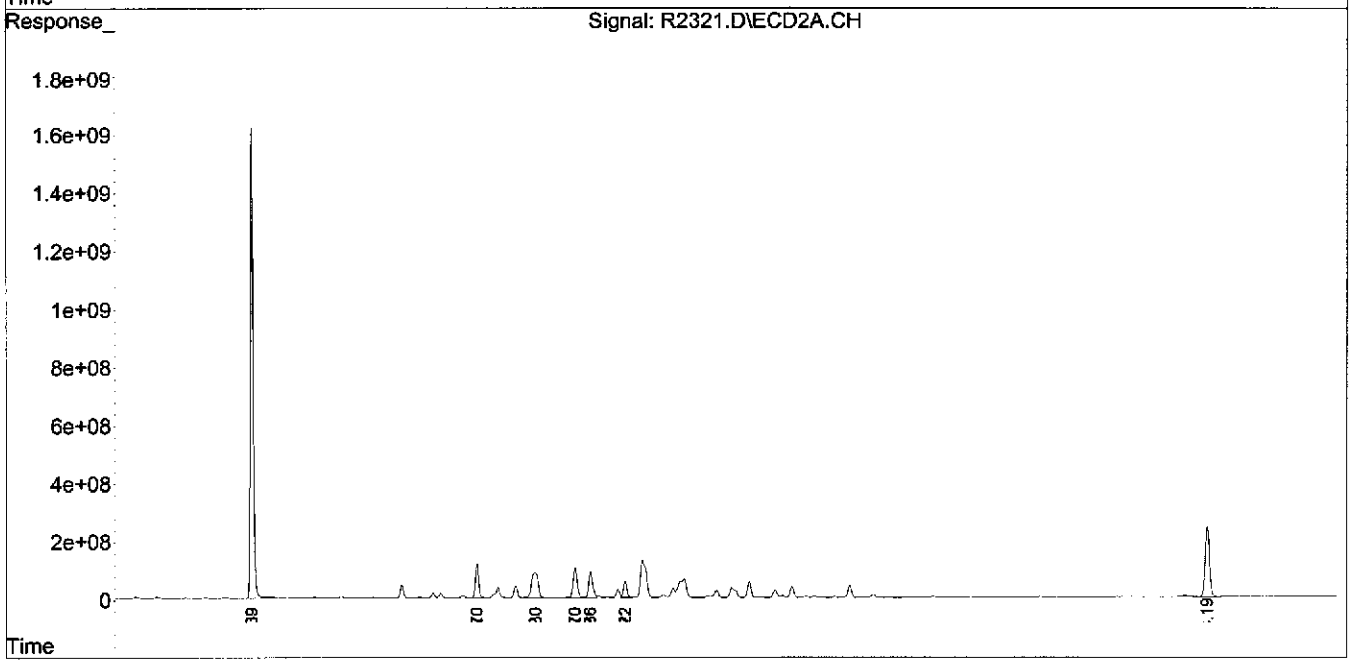
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-03-12\
Data File : R2321.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 03 Aug 2012 12:03
Operator : YG
Sample : 8082_1248_IAS_4309,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 9 Sample Multiplier: 1

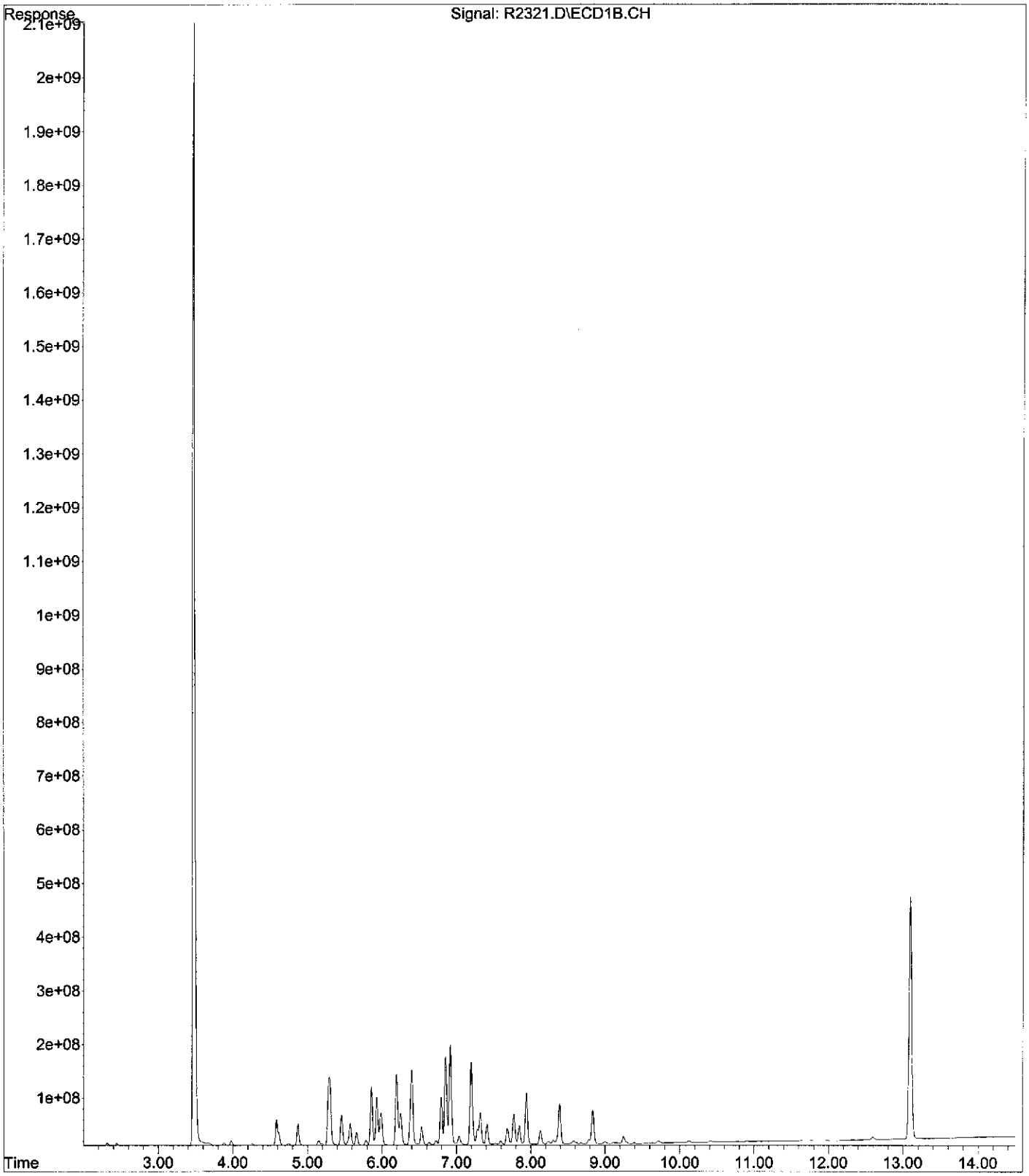
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 03 16:32:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:32:34 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





File :C:\MSDChem\1\DATA\08-03-12\R2321.D
Operator : YG
Acquired : 03 Aug 2012 12:03 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: 8082_1248_IAS_4309,0.5_PPM
Misc Info : NA,NA,NA,1
Vial Number: 9



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-03-12\
Data File : R2325.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 03 Aug 2012 13:13
Operator : YG
Sample : 8082_C_IAS_4296,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 03 16:40:45 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	3.39	38472.5E6	30444.6E6	223.915	211.494
Spiked Amount 200.000			Recovery	=	111.96%	105.75%
2) S DCB	13.10	13.19	9687.3E6	7042.6E6	165.952	175.820
Spiked Amount 200.000			Recovery	=	82.98%	87.91%
Target Compounds						
3) L2 Aroclor-1016	3.98	4.31	1704.8E6	1337.9E6	482.588	487.163
4) L2 Aroclor-1016 {2}	4.87	4.93	2271.4E6	2606.0E6	517.911	477.929
5) L2 Aroclor-1016 {3}	5.45	5.70	3089.3E6	5753.1E6	478.898	478.297
6) L2 Aroclor-1016 {4}	5.99	5.91	1429.6E6	2484.5E6	474.098	494.001
7) L2 Aroclor-1016 {5}	6.40	6.09	2556.6E6	1912.2E6	461.575	481.801
Sum Aroclor-1016			11051.7E6	14093.8E6	2415.070	2419.191
Average Aroclor-1016					483.014	483.838
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	9.25	8.75	8141.5E6	3138.8E6	580.708	496.994
34) L8 Aroclor-1260 {2}	9.94	9.16	3667.5E6	3623.2E6	494.582	496.424
35) L8 Aroclor-1260 {3}	10.41	10.37	11925.3E6	2661.3E6	476.849	528.024
36) L8 Aroclor-1260 {4}	10.91	10.88	5135.7E6	5436.9E6	494.182	542.110
37) L8 Aroclor-1260 {5}	11.98	11.48	2170.0E6	4199.9E6	467.428	517.044
Sum Aroclor-1260			31040.0E6	19060.0E6	2513.749	2580.595
Average Aroclor-1260					502.750	516.119
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-03-12\
Data File : R2325.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 03 Aug 2012 13:13
Operator : YG
Sample : 8082_C_IAS_4296,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 03 16:40:45 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

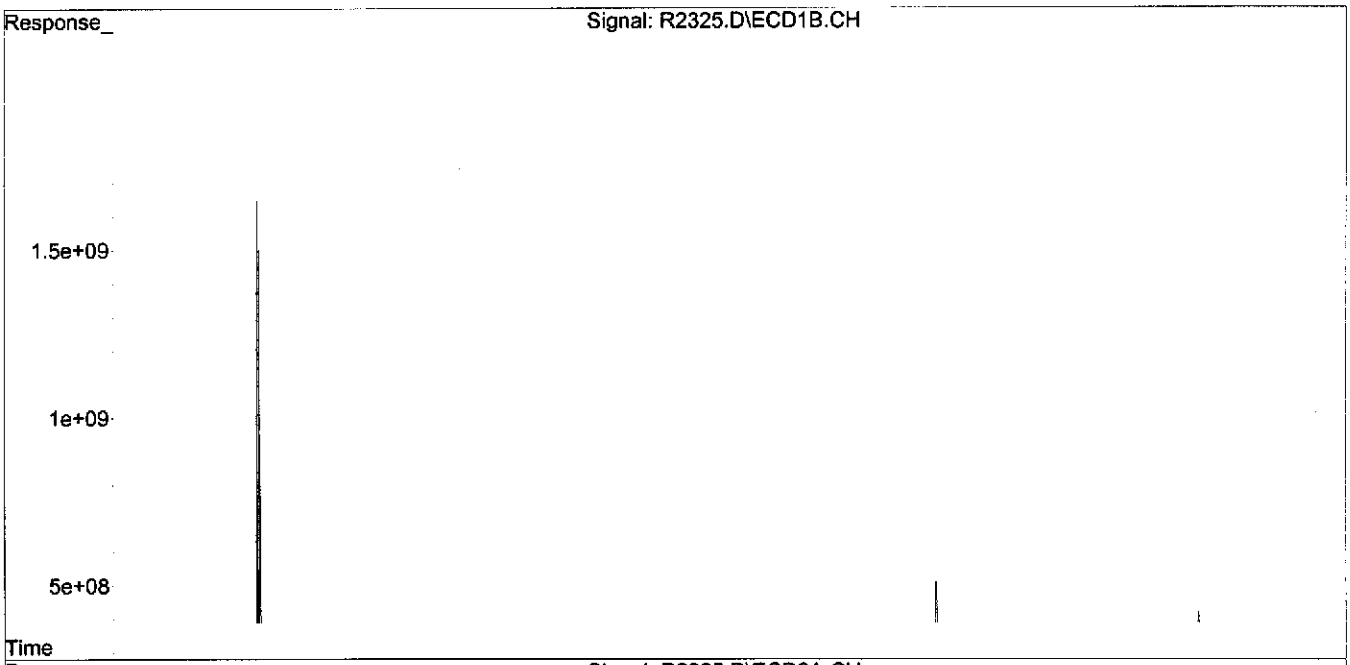
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

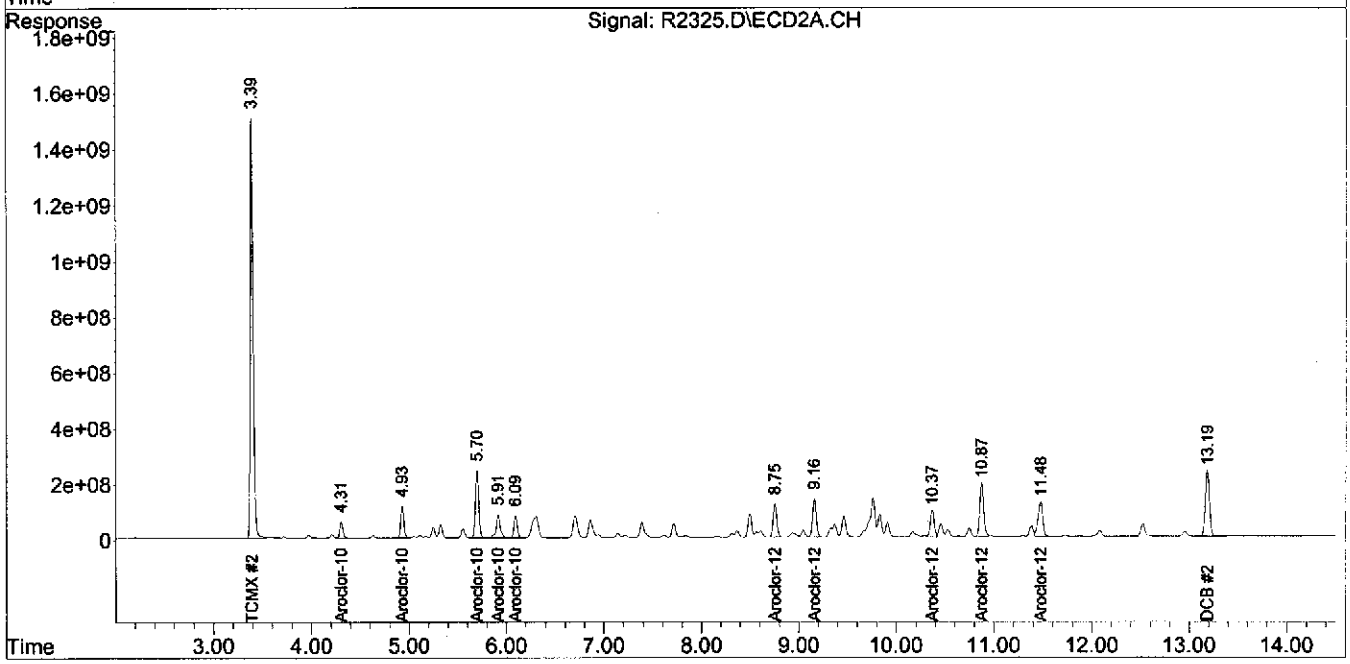
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-03-12\
Data File : R2325.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 03 Aug 2012 13:13
Operator : YG
Sample : 8082_C_IAS_4296,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 3 Sample Multiplier: 1

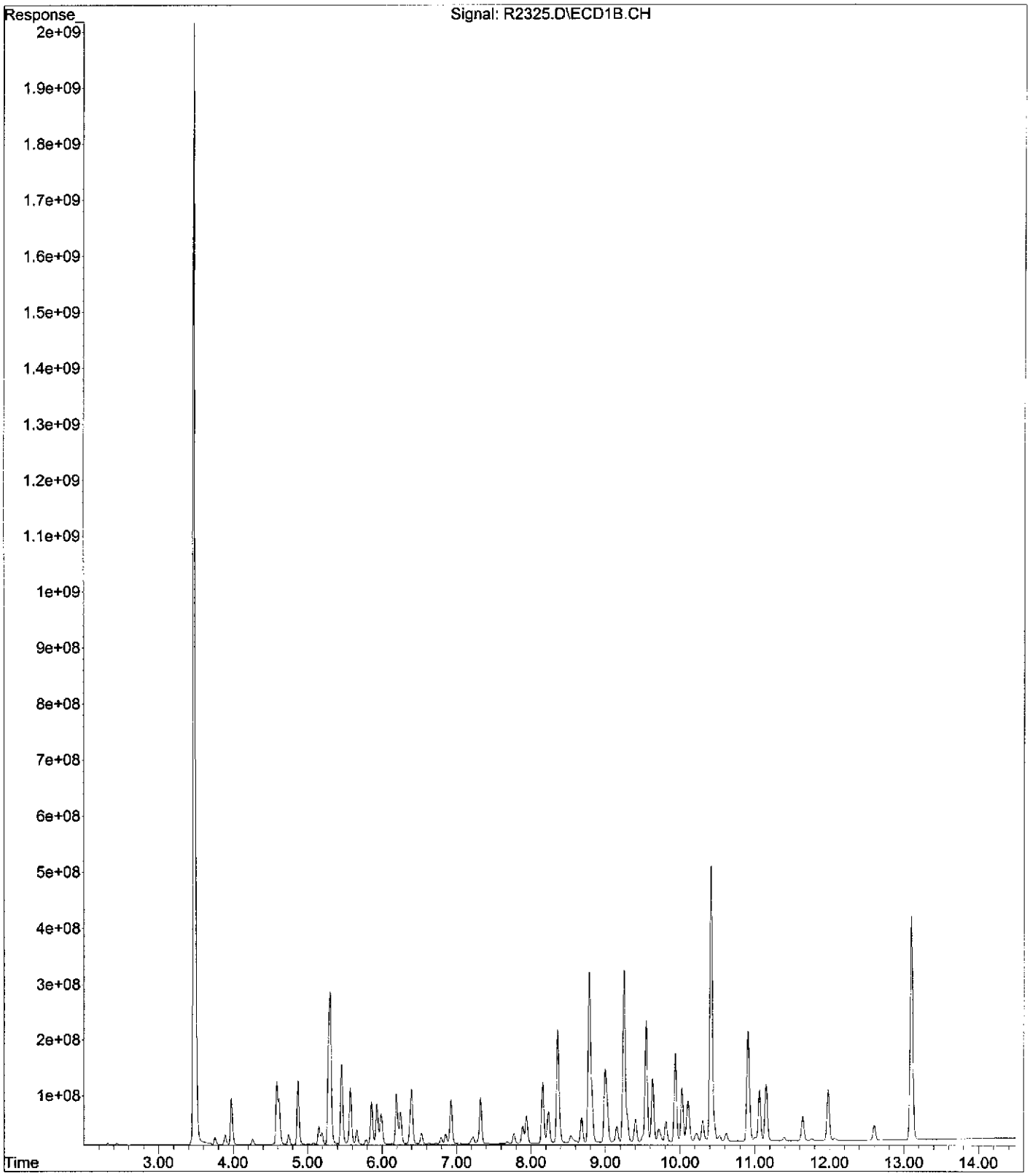
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 03 16:40:45 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:36:50 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





File :C:\MSDChem\1\DATA\08-03-12\R2325.D
Operator : YG
Acquired : 03 Aug 2012 13:13 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: 8082_C_IAS_4296,0.5_PPM
Misc Info : NA,NA,NA,1
Vial Number: 3



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-03-12\
Data File : R2320.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 03 Aug 2012 11:46
Operator : YG
Sample : 8082_1242_IAS_4308,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 03 16:31:16 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:30:54 2012
Response via : Initial 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	40675.5E6	33008.4E6	241.960	237.627
Spiked Amount 200.000			Recovery	=	120.98%	118.81%
2) S DCB	13.10	13.19	11535.5E6	7710.4E6	215.686	213.837
Spiked Amount 200.000			Recovery	=	107.84%	106.92%
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
18) L5 Aroclor-1242	4.87	5.33	1802.4E6	867.4E6	500.000	500.000
19) L5 Aroclor-1242 {2}	5.86	6.09	1152.1E6	1468.7E6	500.000	500.000
20) L5 Aroclor-1242 {3}	6.19	6.70	1625.6E6	1963.3E6	500.000	500.000
21) L5 Aroclor-1242 {4}	6.91	6.86	2338.1E6	1651.2E6	500.000	500.000
22) L5 Aroclor-1242 {5}	7.20	7.42	2213.4E6	1540.5E6	500.000	500.000
Sum Aroclor-1242			9131.8E6	7491.2E6	2500.000	2500.000
Average Aroclor-1242					500.000	500.000
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

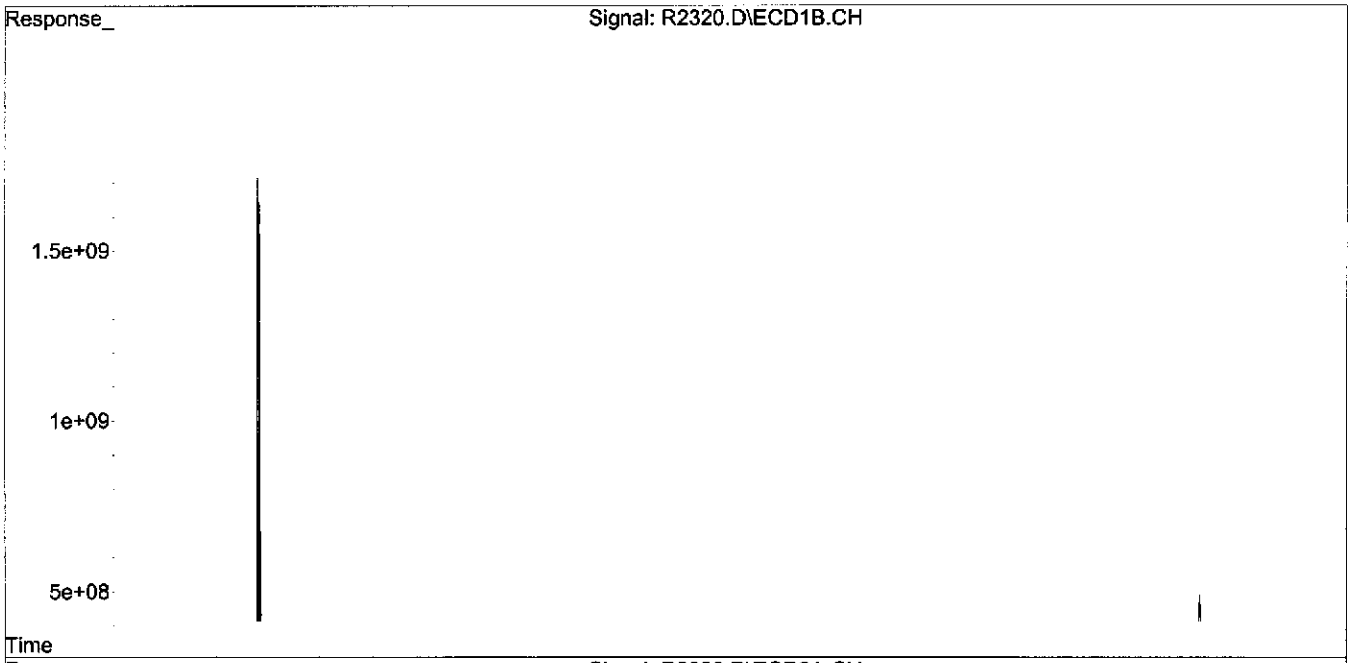
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

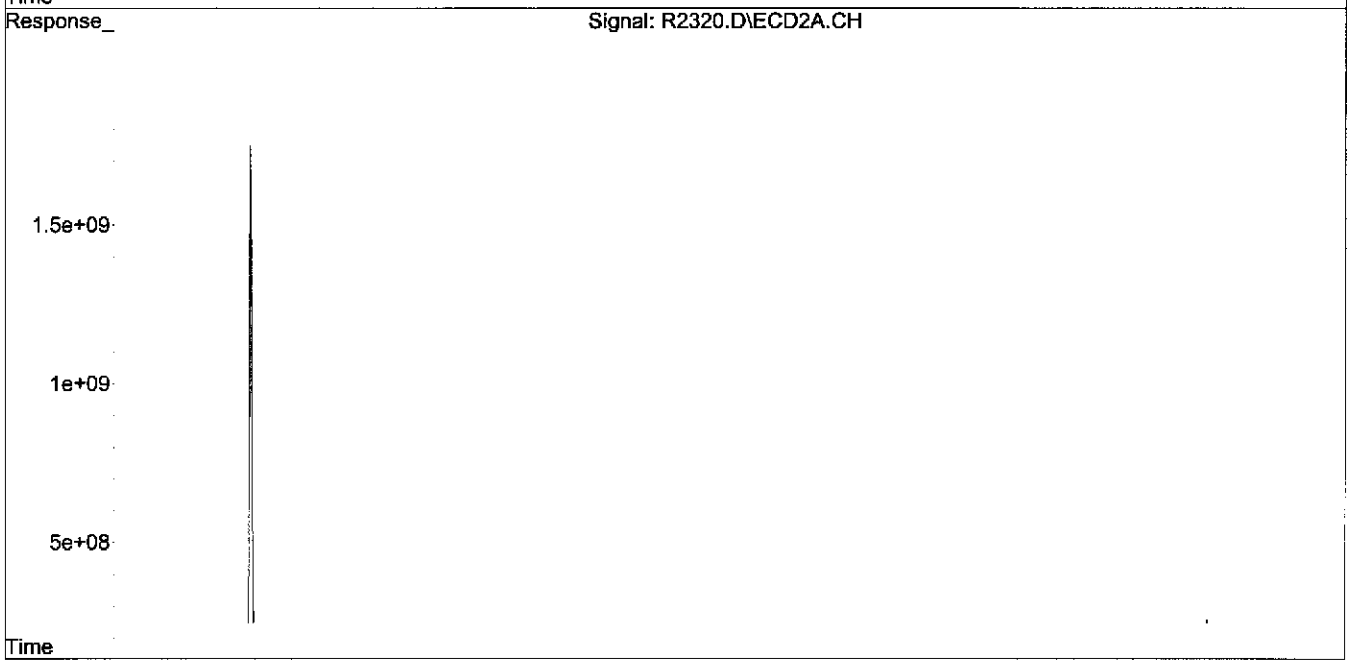
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-03-12\
Data File : R2320.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 03 Aug 2012 11:46
Operator : YG
Sample : 8082_1242_IAS_4308,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 8 Sample Multiplier: 1

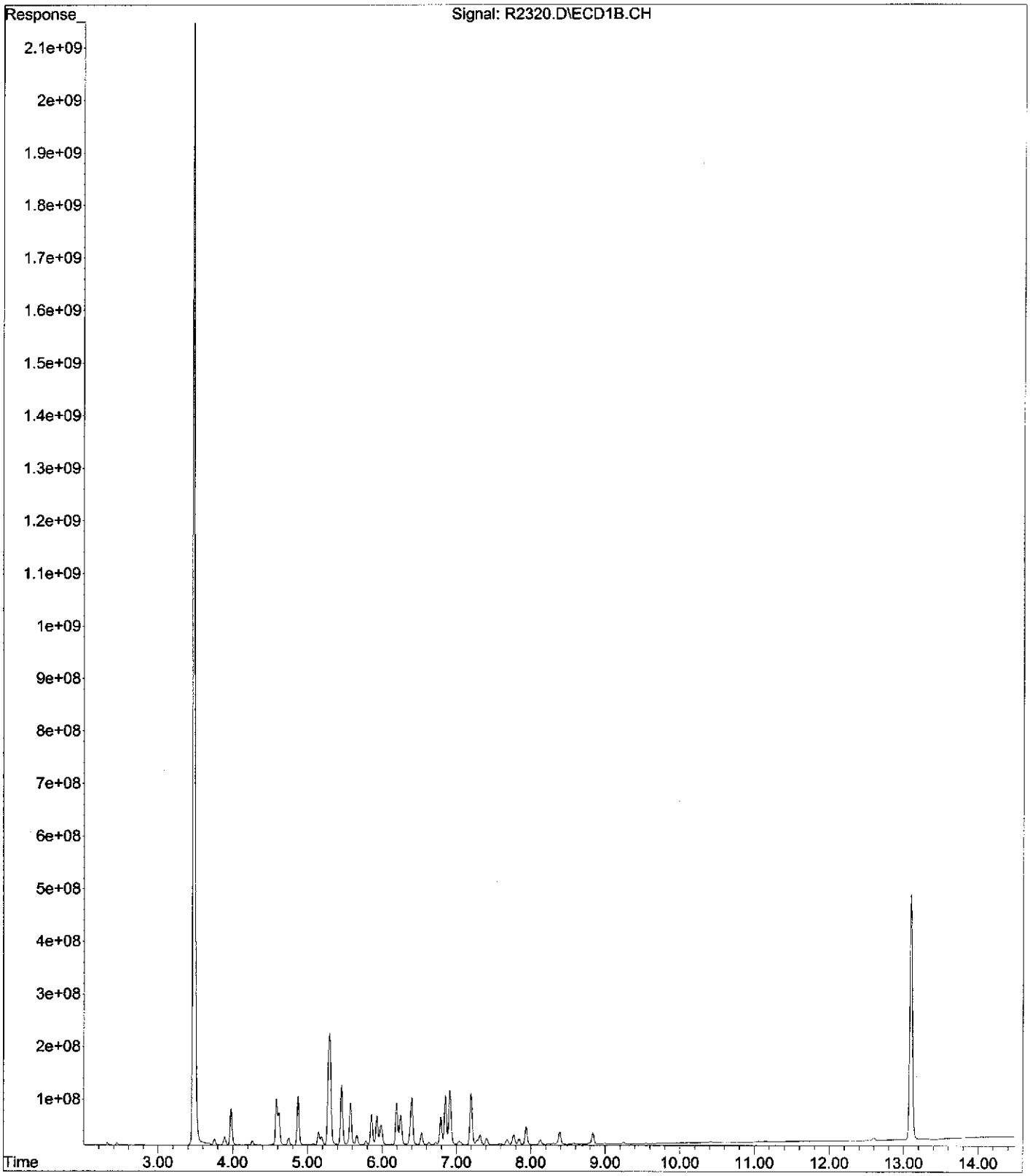
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 03 16:31:16 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:30:54 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

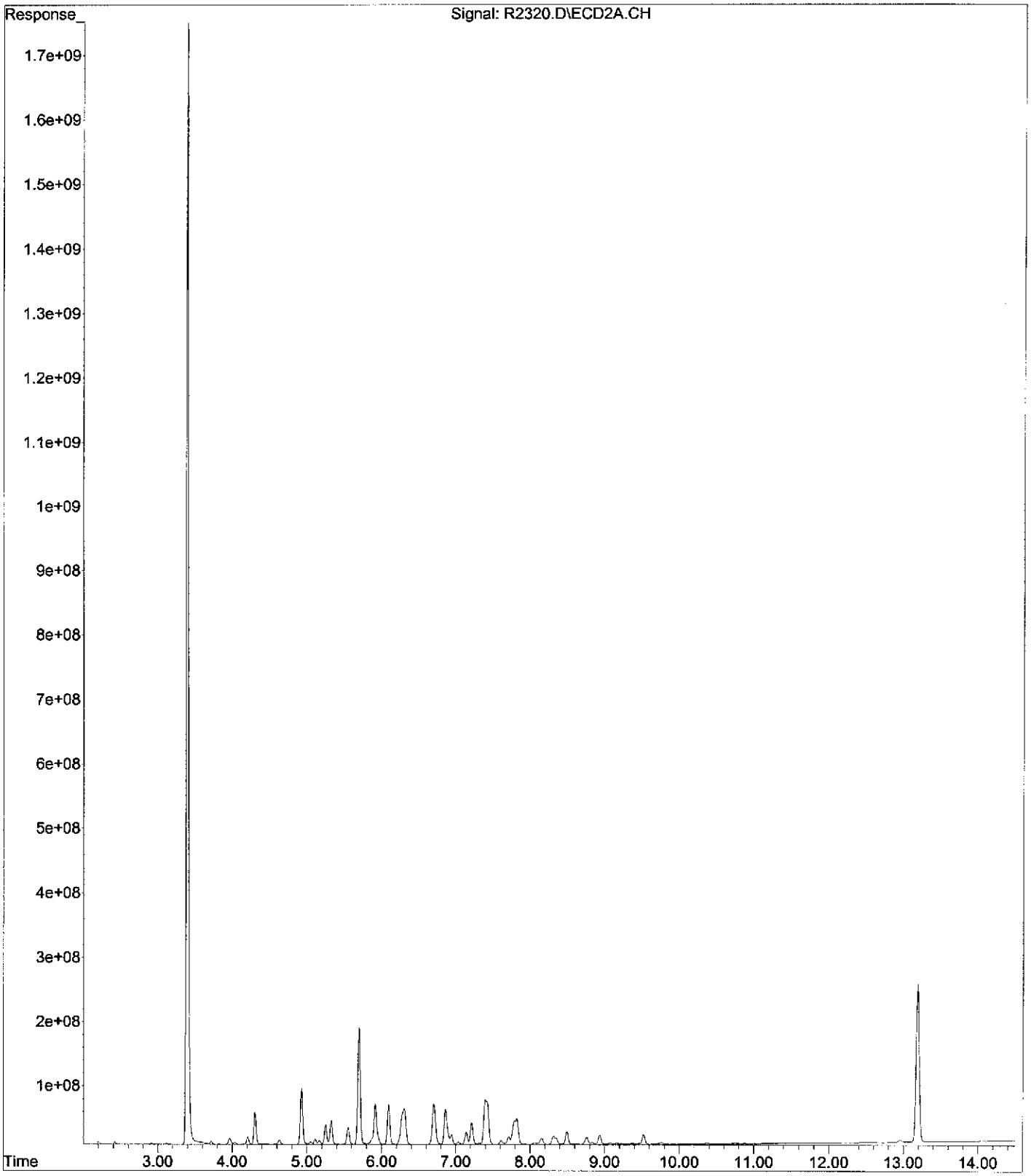




File :C:\MSDCHEM\1\DATA\08-03-12\R2320.D
Operator : YG
Acquired : 03 Aug 2012 11:46 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: 8082_1242_IAS_4308,0.5_PPM
Misc Info : NA,NA,NA,1
Vial Number: 8



File :C:\MSDCHEM\1\DATA\08-03-12\R2320.D
Operator : YG
Acquired : 03 Aug 2012 11:46 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: 8082_1242_IAS_4308,0.5_PPM
Misc Info : NA,NA,NA,1
Vial Number: 8



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-03-12\
Data File : R2321.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 03 Aug 2012 12:03
Operator : YG
Sample : 8082_1248_IAS_4309,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 03 16:32:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:32:34 2012
Response via : Initial 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	39548.9E6	31592.7E6	236.846	229.777
Spiked Amount 200.000			Recovery	=	118.42%	114.89%
2) S DCB	13.10	13.19	12589.8E6	7521.2E6	230.847	209.692
Spiked Amount 200.000			Recovery	=	115.42%	104.85%
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
23) L6 Aroclor-1248	5.29	5.70	3808.7E6	2792.3E6	500.000	500.000
24) L6 Aroclor-1248 {2}	5.86	6.30	2145.0E6	3992.7E6	500.000	500.000
25) L6 Aroclor-1248 {3}	6.19	6.70	2746.5E6	2984.1E6	500.000	500.000
26) L6 Aroclor-1248 {4}	6.92	6.86	4260.1E6	2553.0E6	500.000	500.000
27) L6 Aroclor-1248 {5}	7.20	7.22	3579.5E6	1443.9E6	500.000	500.000
Sum Aroclor-1248			16539.7E6	13766.1E6	2500.000	2500.000
Average Aroclor-1248					500.000	500.000
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

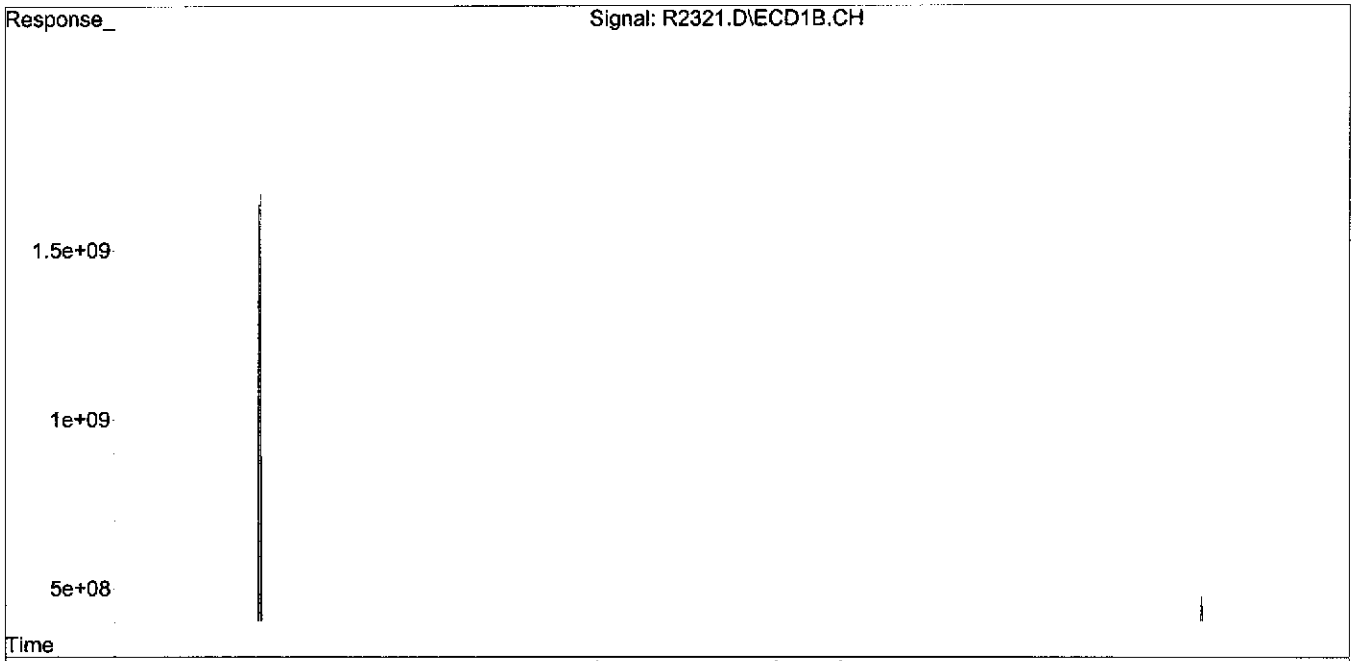
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

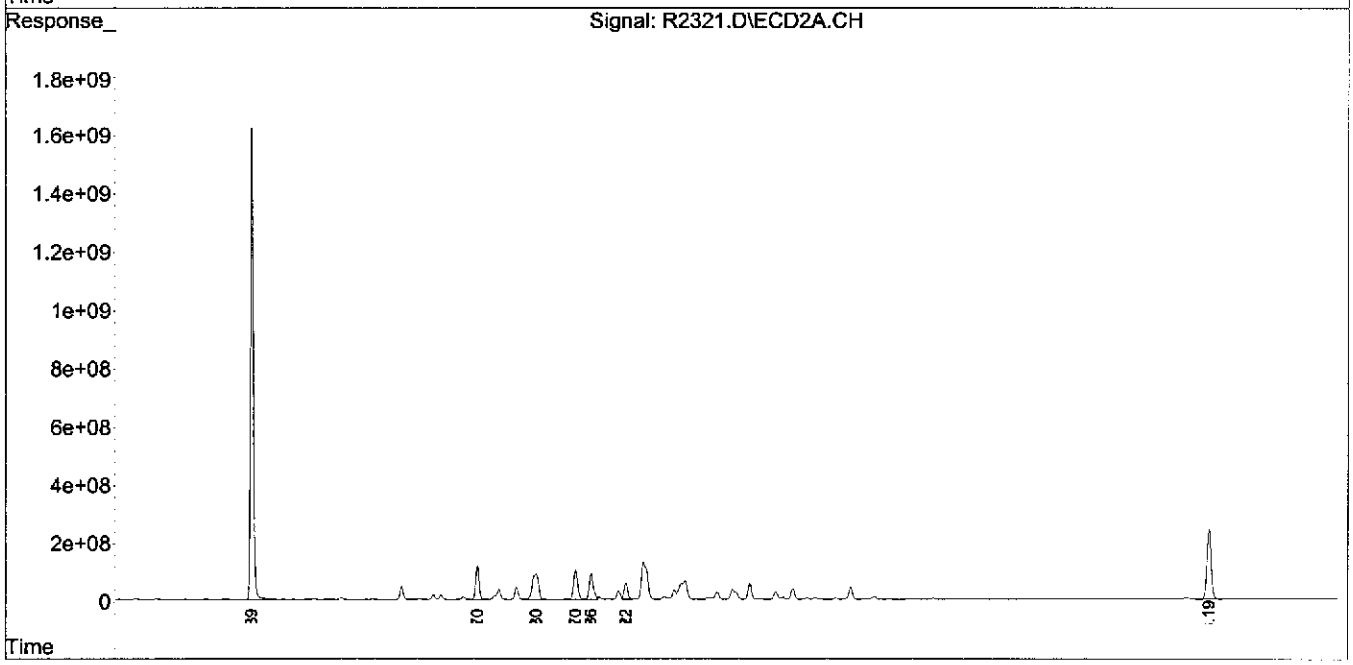
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-03-12\
Data File : R2321.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 03 Aug 2012 12:03
Operator : YG
Sample : 8082_1248_IAS_4309,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 9 Sample Multiplier: 1

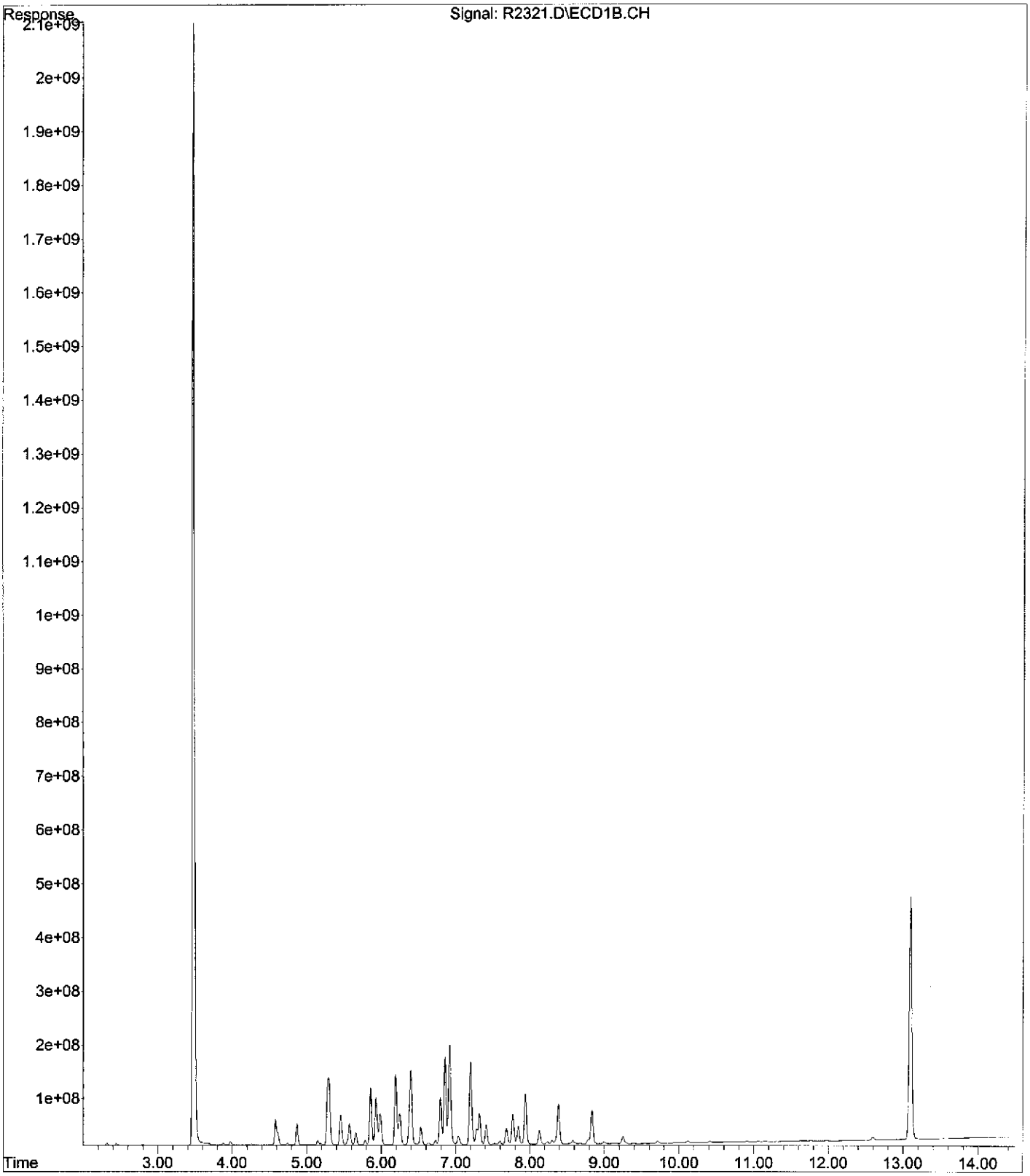
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 03 16:32:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0803.M
Quant Title :
QLast Update : Fri Aug 03 16:32:34 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





File :C:\MSDCHEM\1\DATA\08-03-12\R2321.D
Operator : YG
Acquired : 03 Aug 2012 12:03 using AcqMethod RPCB0803.M
Instrument : GC_R
Sample Name: 8082_1248_IAS_4309,0.5_PPM
Misc Info : NA,NA,NA,1
Vial Number: 9



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7476.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Jul 2012 13:09
Operator : YG
Sample : 8082_1242_IAS_4308,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 27 15:10:06 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:09:43 2012
Response via : Initial 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	28363.8E6	9588.6E6	287.826	265.867
Spiked Amount 200.000			Recovery	=	143.91%	132.93%
2) S DCB	12.11	12.51	5417.3E6	2450.0E6	254.904	274.153
Spiked Amount 200.000			Recovery	=	127.45%	137.08%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.11	4.77	1107.5E6	257.3E6	500.000	500.000
19) L5 Aroclor-1242 {2}	5.05	5.52	695.4E6	451.7E6	500.000	500.000
20) L5 Aroclor-1242 {3}	5.37	6.12	996.2E6	585.3E6	500.000	500.000
21) L5 Aroclor-1242 {4}	6.06	6.28	1638.9E6	488.5E6	500.000	500.000
22) L5 Aroclor-1242 {5}	6.33	6.83	1407.3E6	971.1E6	500.000	500.000
Sum Aroclor-1242			5845.2E6	2753.8E6	2500.000	2500.000
Average Aroclor-1242					500.000	500.000
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

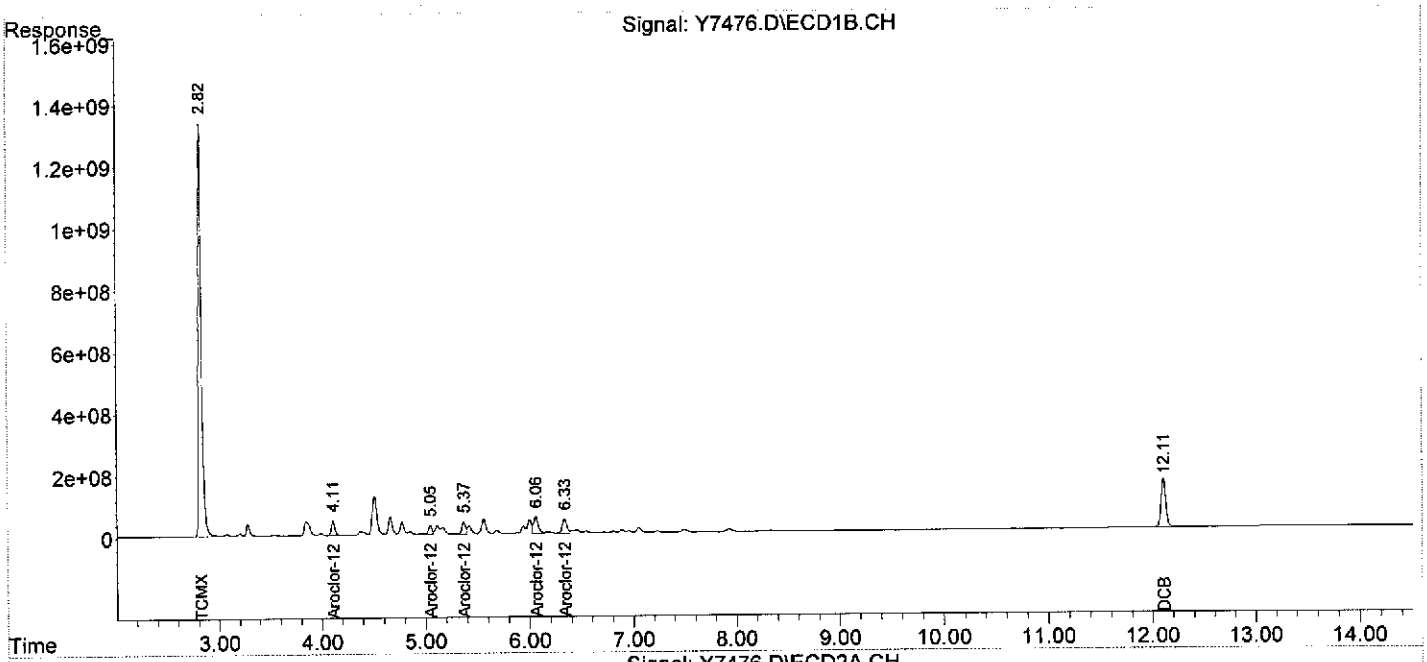
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

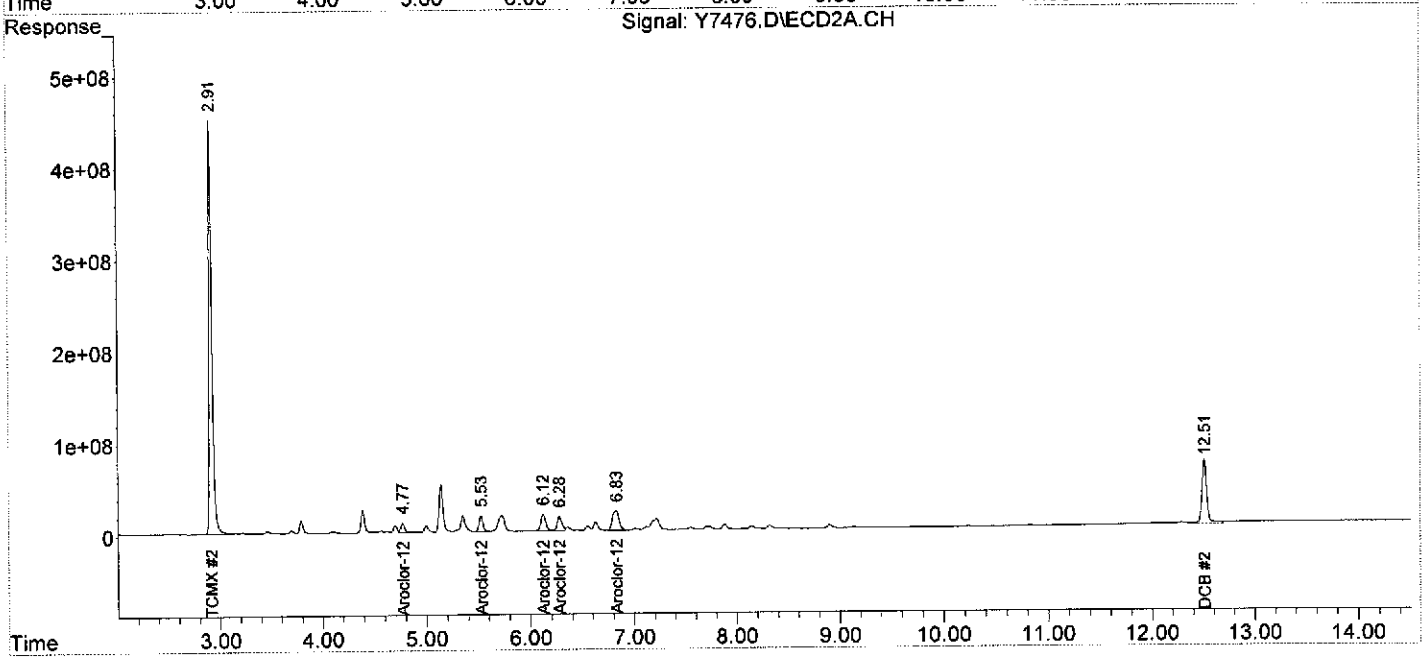
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7476.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Jul 2012 13:09
Operator : YG
Sample : 8082_1242_IAS_4308,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 27 15:10:06 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:09:43 2012
Response via : Initial 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\07-27-12\
Data File : Y7477.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Jul 2012 13:27
Operator : YG
Sample : 8082_1248_IAS_4309,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 27 15:21:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:21:22 2012
Response via : Initial 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	25277.5E6	8693.5E6	264.800	247.184
Spiked Amount 200.000			Recovery	=	132.40%	123.59%
2) S DCB	12.11	12.51	4991.6E6	1970.0E6	239.672	232.955
Spiked Amount 200.000			Recovery	=	119.84%	116.48%
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	5.14	2204.5E6	797.0E6	500.000	500.000
24) L6 Aroclor-1248 {2}	5.05	5.72	1211.9E6	1171.3E6	500.000	500.000
25) L6 Aroclor-1248 {3}	5.37	6.12	1534.3E6	846.9E6	500.000	500.000
26) L6 Aroclor-1248 {4}	6.06	6.28	2786.6E6	726.8E6	500.000	500.000
27) L6 Aroclor-1248 {5}	6.33	6.63	2082.8E6	419.8E6	500.000	500.000
Sum Aroclor-1248			9819.9E6	3961.9E6	2500.000	2500.000
Average Aroclor-1248					500.000	500.000
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

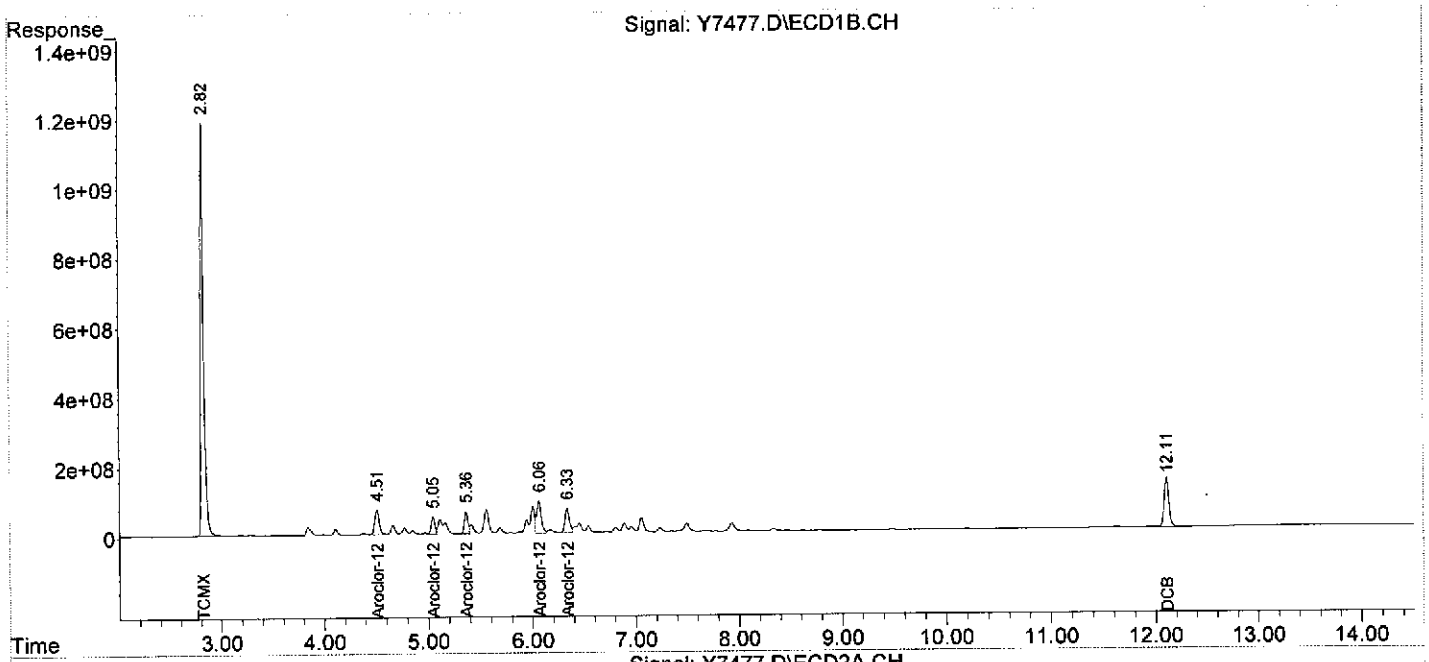
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

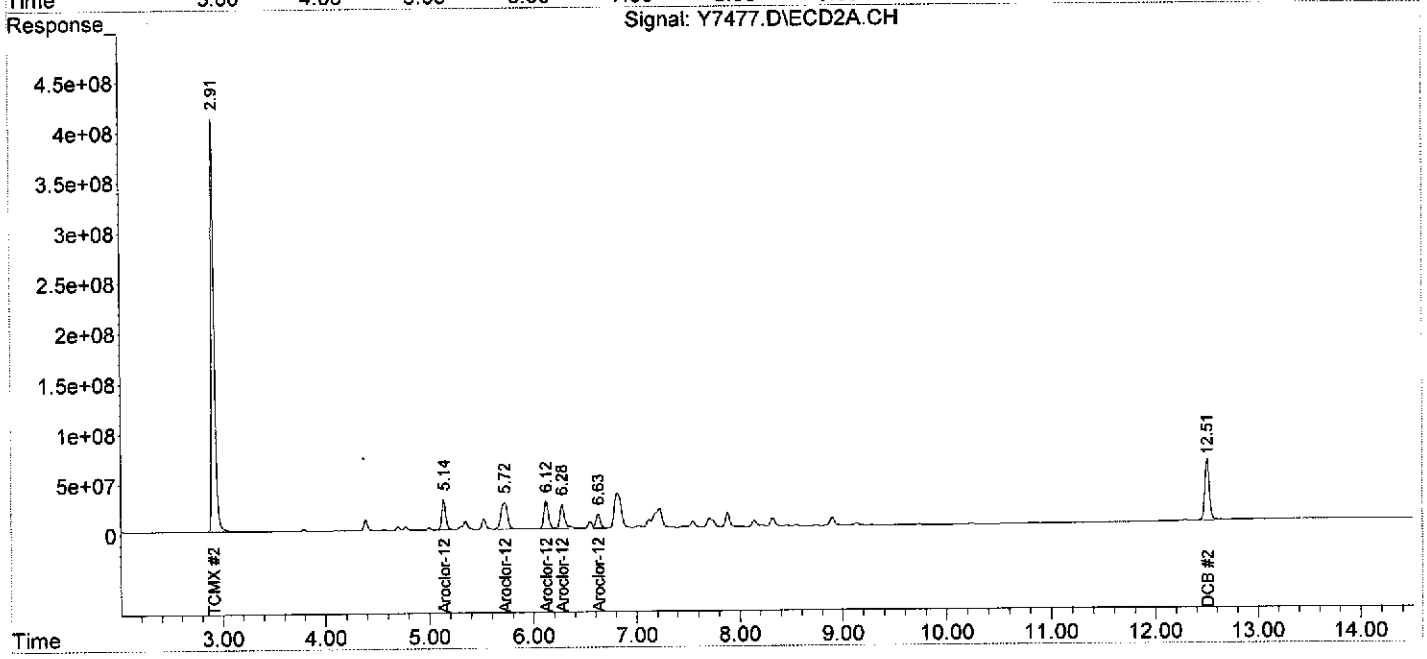
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7477.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Jul 2012 13:27
Operator : YG
Sample : 8082_1248_IAS_4309,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 27 15:21:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:21:22 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





SAMPLE TRACKING

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

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

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

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

FHC - 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 Forms: Results Only; Reduced; Regulatory - 15% Surcharge applies; Other (describe)

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

Cooler Temp 4 °C

SAMPLE INFORMATION

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

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	NaOH	H2SO4	NaOH/ZnAc	Sterile
V-11 (0-2.0')		7/30/12	9:20	S	1	1	X						
V-11 (2.0-3.0')		↓	9:21	S	1	2	X						
V-11 (3.0-4.0')			9:22	S	1	3	X						
V-11 (4.0-6.0')			9:23	S	1	4	X						
U-11 (0-2.0')			9:48	S	1	5	X						
U-11 (2.0-3.0')			9:49	S	1	6	X						
U-11 (3.0-4.0')			9:50	S	1	7	X						
U-11 (4.0-4.5')		↓	9:53	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:	7/30/12	1500	Received by:	7/30/12	1708 1500
Relinquished by:	7/30/12	1708	Received by:	7/30/12	1708
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 0762

PAGE: 1 of 6

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H12-07662

02559

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

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

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

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

PHC - MUST CHOOSE

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

NJ EPH - C40 (5 day TAT)

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

Verbal/Fax: Std 2 wk unless otherwise specified

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

Other** (specify):

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

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

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

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

Cooler Temp <4 °C

Sample Matrix

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

SAMPLE INFORMATION

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	NaOH	H2SO4	NaOH/ZnAc	None
U-11 (4.5'-6.0')		7/30/12	9:59	S	1	9	X						
T-11 (0-2.0')		↓	10:14	S	1	10	X						
T-11 (2.0'-4.0')			10:15	S	1	11	X						
T-11 (4.0'-4.5')			10:16	S	1	12	X						
T-11 (4.5'-6.0')			10:17	S	1	13	X						
R-11 (0-2.0')			10:40	S	1	14	X						
R-11 (2.0'-4.0')			10:48	S	1	15	X						
R-11 (4.0'-5.25')			10:41	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:	7/30/12	1500	Received by:	7/30/12	1500
Relinquished by:	7/30/12	1708	Received by:	7/30/12	1708
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 07662

PAGE: 2 of 6

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

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

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

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

JMC - 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	NaOH	H2SO4	NA/OH/ZNAc	Bottle
R-11 (5.25-6.0')		7/30/11	10:42	S	1	17	X						
Q-11 (0-2.0')			11:05	S	1	18	X						
Q-11 (2.0-4.0')			11:05	S	1	19	X						
Q-11 (4.25'-5.25')			11:06	S	1	20	X						
Q-11 (5.25'-6.0')			11:08	S	1	21	X						
O-14 (0-2.0')			11:45	S	1	22	X						
O-14 (2.0'-2.5')			11:46	S	1	23	X						
O-14 (2.5'-4.0')			11:47	S	1	24	X						

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

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

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

Carrier (check one): ___IAL Courier _____Client Courier _____FedEx/UPS

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:	7/30/12	1500	Received by:	7/30/12	1500
Relinquished by:	7/30/12	1708	Received by:	7/30/12	1708
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 07662

PAGE: 3 of 6

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

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

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

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

JMC - 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	NaOH	H2SO4	NAOH/ZNAc	Sterile
O-14 (4.0-6.0)		7/30/12	11:48	S	1	25	x						
N-14 (0-2.0)		↓	12:18	S	1	26	x						
N-14 (2.0-3.0)			12:17	S	1	27	x						
N-14 (3.0-4.0)			12:20	S	1	28	x						
N-14 (4.0-6.0)			12:20	S	1	29	x						
O-15 (0-2.0)			1:13	S	1	30	x						
O-15 (2.0-4.0)			1:14	S	1	31	x						
O-15 (4.0-6.0)		↓	1:15	S	1	32	x						

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

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

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

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

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:	7/30/12	1500	Received by:	7/30/12	1500
Relinquished by:	7/30/12	1705	Received by:	7/30/12	1705
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 07662

PAGE: 4 of 6

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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@jmcenvironmental.com	Address: 4 Tri Harbor Court	
Sampler: Alton Hallgreen, Steve Kosch	Port Washington, NY 11050	
Project Name: Assynco	(with copy to: IMC Environmental (attn.: J. Clabby))	
Project Location (State): NJ	Attn: Ed Kelly	
Bottle Order #:	PO # 22126	
Quote # : SR041285		

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

IMC - MUST CHOOSE

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

NJ EPH - C40 (5 day TAT)

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

Verbal/Fax: Std 2 wk unless otherwise specified

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

Other** (specify):

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

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

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

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

Cooler Temp <4 4 °C

Sample Matrix

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

SAMPLE INFORMATION

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	NaOH	H2SO4	NAOH/ZNAc	Sterile
P-15 (0-2.0')		7/30/12	1:36	S	1	33	X						
P-15 (2.0-4.0')			1:36	S	1	34	X						
P-15 (4.0-6.0')			1:37	S	1	35	X						
Q-12 (0-2.0')			2:00	S	1	36	X						
Q-12 (2.0-4.0)			2:00	S	1	37	X						
Q-12 (4.0-6.0)			2:01	S	1	38	X						
Q-10 (0-2.0')			2:55	S	1	39	X						
Q-10 (2.0-4.0)			2:57	S	1	40	X						

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

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

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:	7/30/12	1500	Received by:	7/30/12	1500
Relinquished by:	7/30/12	1708	Received by:	7/30/12	1708
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 07662

PAGE: 5 of 6

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

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

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

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

PMC - MUST CHOOSE

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

NJ EPH - C40 (5 day TAT)

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

Verbal/Fax: Std 2 wk unless otherwise specified

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

Other** (specify):

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

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

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

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

Cooler Temp 4 °C

SAMPLE INFORMATION

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

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# container s	IAL #	TCL PCB (8082)	HCL	HNO3	NaOH	H2SO4	NAOH/ZNAc	Bottle
Q-10 (4.0-4.75)		7/30/12	2:57	S	1	41	X						
Q-10 (4.75-6.0)		↓	2:58	S	1	42	X						
FB-23		↓	3:10	AQ	2	43	X						
							X						
							X						
							X						
							X						
							X						

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

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

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

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

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:	7/30/12	1800	Received by:	7/30/12	1500
Relinquished by:	7/30/12	1708	Received by:	7/30/12	1708
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 0762

PAGE: 6 of 6

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02264

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PROJECT INFORMATION

E12-07662

Case No. E12-07662 **Project** ARSYNCO

Customer	JMC Environmental Consultants	**P.O. #**	
Contact	Jim Clabby	**Received**	7/30/2012 17:08
EMail	jclabby@jmcenvironmental.com; ahallgreen@jmcenvironmental.com; tadams@jmcenvironmental.com ☑ EMail EDDs	**Verbal Due**	8/14/2012
Phone	(732) 295-7144 **Fax** (732) 295-2150	**Report Due**	8/21/2012
Report To		**Bill To**	
2109 Bridge Avenue		Aceto Corp.	
Building B		4 Tri Harbor Court	
Point Pleasant, NJ 08742		Port Washington, NY 11050	
Attn: Jim Clabby		Attn: Mr. Ed Kelly	

Report Format **Reduced**

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
07662-001	V-11 (0-2.0)	0 / 2	7/30/2012@09:20	Soil	mg/Kg	1
07662-002	V-11 (2.0-3.0)	2 / 3	7/30/2012@09:21	Soil	mg/Kg	1
07662-003	V-11 (3.0-4.0)	3 / 4	7/30/2012@09:22	Soil	mg/Kg	1
07662-004	V-11 (4.0-6.0)	4 / 6	7/30/2012@09:23	Soil	mg/Kg	1
07662-005	U-11 (0-2.0)	0 / 2	7/30/2012@09:48	Soil	mg/Kg	1
07662-006	U-11 (2.0-3.0)	2 / 3	7/30/2012@09:49	Soil	mg/Kg	1
07662-007	U-11 (3.0-4.0)	3 / 4	7/30/2012@09:50	Soil	mg/Kg	1
07662-008	U-11 (4.0-4.5)	4 / 4.5	7/30/2012@09:53	Soil	mg/Kg	1
07662-009	U-11 (4.5-6.0)	4.5 / 6	7/30/2012@09:59	Soil	mg/Kg	1
07662-010	T-11 (0-2.0)	0 / 2	7/30/2012@10:14	Soil	mg/Kg	1
07662-011	T-11 (2.0-4.0)	2 / 4	7/30/2012@10:15	Soil	mg/Kg	1
07662-012	T-11 (4.0-4.75)	4 / 4.75	7/30/2012@10:16	Soil	mg/Kg	1
07662-013	T-11 (4.75-6.0)	4.75 / 6	7/30/2012@10:17	Soil	mg/Kg	1
07662-014	R-11 (0-2.0)	0 / 2	7/30/2012@10:40	Soil	mg/Kg	1
07662-015	R-11 (2.0-4.0)	2 / 4	7/30/2012@10:40	Soil	mg/Kg	1
07662-016	R-11 (4.0-5.25)	4 / 5.25	7/30/2012@10:41	Soil	mg/Kg	1
07662-017	R-11 (5.25-6.0)	5.25 / 6	7/30/2012@10:42	Soil	mg/Kg	1
07662-018	Q-11 (0-2.0)	0 / 2	7/30/2012@11:05	Soil	mg/Kg	1
07662-019	Q-11 (2.0-4.0)	2 / 4	7/30/2012@11:05	Soil	mg/Kg	1
07662-020	Q-11 (4.25-5.25)	4.25 / 5.25	7/30/2012@11:06	Soil	mg/Kg	1
07662-021	Q-11 (5.25-6.0)	5.25 / 6	7/30/2012@11:08	Soil	mg/Kg	1
07662-022	O-14 (0-2.0)	0 / 2	7/30/2012@11:45	Soil	mg/Kg	1
07662-023	O-14 (2.0-2.5)	2 / 2.5	7/30/2012@11:46	Soil	mg/Kg	1
07662-024	O-14 (2.5-4.0)	2.5 / 4	7/30/2012@11:47	Soil	mg/Kg	1
07662-025	O-14 (4.0-6.0)	4 / 6	7/30/2012@11:48	Soil	mg/Kg	1
07662-026	N-14 (0-2.0)	0 / 2	7/30/2012@12:18	Soil	mg/Kg	1
07662-027	N-14 (2.0-3.0)	2 / 3	7/30/2012@12:19	Soil	mg/Kg	1
07662-028	N-14 (3.0-4.0)	3 / 4	7/30/2012@12:20	Soil	mg/Kg	1
07662-029	N-14 (4.0-6.0)	4 / 6	7/30/2012@12:20	Soil	mg/Kg	1

PROJECT INFORMATION

E12-07662

Case No. E12-07662 **Project** ARSYNCO

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
07662-030	O-15 (0-2.0)	0 / 2	7/30/2012@13:13	Soil	mg/Kg	1
07662-031	O-15 (2.0-4.0)	2 / 4	7/30/2012@13:14	Soil	mg/Kg	1
07662-032	O-15 (4.0-6.0)	4 / 6	7/30/2012@13:15	Soil	mg/Kg	1
07662-033	P-15 (0-2.0)	0 / 2	7/30/2012@13:36	Soil	mg/Kg	1
07662-034	P-15 (2.0-4.0)	2 / 4	7/30/2012@13:36	Soil	mg/Kg	1
07662-035	P-15 (4.0-6.0)	4 / 6	7/30/2012@13:37	Soil	mg/Kg	1
07662-036	Q-12 (0-2.0)	0 / 2	7/30/2012@14:00	Soil	mg/Kg	1
07662-037	Q-12 (2.0-4.0)	2 / 4	7/30/2012@14:00	Soil	mg/Kg	1
07662-038	Q-12 (4.0-6.0)	4 / 6	7/30/2012@14:01	Soil	mg/Kg	1
07662-039	Q-10 (0-2.0)	0 / 2	7/30/2012@14:55	Soil	mg/Kg	1
07662-040	Q-10 (2.0-4.0)	2 / 4	7/30/2012@14:57	Soil	mg/Kg	1
07662-041	Q-10 (4.0-4.75)	4 / 4.75	7/30/2012@14:57	Soil	mg/Kg	1
07662-042	Q-10 (4.75-6.0)	4.75 / 6	7/30/2012@14:58	Soil	mg/Kg	1
07662-043	FB-23	n/a	7/30/2012@15:10	Aqueous	mg/L	2

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

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PROJECT INFORMATION

E12-07662

Case No. E12-07662 **Project** ARSYNCO

Sample #	Tests	Status	QA Method
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

07/31/2012 12:19 by Ellen - NOTE 2

BOTTOM DEPTH FOR SAMPLE #12 & TOP DEPTH FOR SAMPLE #13 LABELED DIFFERENTLY THAN WHAT IS WRITTEN ON COC. LABEL ED AS 4.75 BUT ON COC AS 4.5. AS PER ALTON H., THE LABELS ARE CORRECT.

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INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 12** **07662** CLIENT: JMC

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

Comments

COC: (COMPLETE) / INCOMPLETE

KEY

✓	= YES/NA
✗	= NO

#12 (T-11 (4.0-4.5)) is labeled 4-4.75 and # 13 (T-11 (4.5-6)) is labeled 4.75-6.

✓	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 7/30/12

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 8/1/12

Laboratory Custody Chronicle

IAL Case No.

E12-07662

Client JMC Environmental Consultants

Project ARSYNCO

Received On 7/30/2012@17:08

Department: GC

			Prep. Date	Analyst	Analysis Date	Analyst
TCL PCB	07662-001	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/ 6/12	Archimede	8/14/12	Julia
"	-022	"	8/ 6/12	Archimede	8/14/12	Julia
"	-023	"	8/ 6/12	Archimede	8/14/12	Julia
"	-024	"	8/ 6/12	Archimede	8/14/12	Julia
"	-025	"	8/ 6/12	Archimede	8/14/12	Julia
"	-026	"	8/ 6/12	Archimede	8/14/12	Julia
"	-027	"	8/ 6/12	Archimede	8/14/12	Julia
"	-028	"	8/ 6/12	Archimede	8/14/12	Julia
"	-029	"	8/ 6/12	Archimede	8/14/12	Julia
"	-030	"	8/ 6/12	Archimede	8/14/12	Julia
"	-031	"	8/ 6/12	Archimede	8/14/12	Julia
"	-032	"	8/ 6/12	Archimede	8/14/12	Julia
"	-033	"	8/ 6/12	Archimede	8/14/12	Julia
"	-034	"	8/ 6/12	Archimede	8/14/12	Julia
"	-035	"	8/ 6/12	Archimede	8/14/12	Julia
"	-036	"	8/ 6/12	Archimede	8/14/12	Julia
"	-037	"	8/ 6/12	Archimede	8/14/12	Julia
"	-038	"	8/ 7/12	Archimede	8/15/12	Julia
"	-039	"	8/ 7/12	Archimede	8/15/12	Julia
"	-040	"	8/ 7/12	Archimede	8/15/12	Julia
"	-041	"	8/ 7/12	Archimede	8/15/12	Julia
"	-042	"	8/ 7/12	Archimede	8/15/12	Julia
"	-043	Aqueous	8/ 6/12	Archimede	8/ 8/12	Julia

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