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: **E12-07021**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

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

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

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

Sample Summary

IAL Case No.

E12-07021

Client JMC Environmental Consultants

Project ARSYNCO

Received On 7/13/2012@16:20

Lab ID	Client Sample ID	Depth Top/Bottom	Sampling Time	Matrix	# of Container
07021-001	R-20 (0-2.0)	0/2	7/13/2012@08:31	Soil	1
07021-002	R-20 (2.0-4.0)	2/4	7/13/2012@08:32	Soil	1
07021-003	R-20 (4.0-6.0)	4/6	7/13/2012@08:33	Soil	1
07021-004	S-20 (0-2.0)	0/2	7/13/2012@08:45	Soil	1
07021-005	S-20 (2.0-4.0)	2/4	7/13/2012@08:46	Soil	1
07021-006	S-20 (4.0-6.0)	4/6	7/13/2012@08:47	Soil	1
07021-007	T-20 (0-2.0)	0/2	7/13/2012@09:11	Soil	1
07021-008	T-20 (2.0-4.0)	2/4	7/13/2012@09:12	Soil	1
07021-009	T-20 (4.0-6.0)	4/6	7/13/2012@09:13	Soil	1
07021-010	U-20 (0-2.0)	0/2	7/13/2012@09:32	Soil	1
07021-011	U-20 (2.0-4.0)	2/4	7/13/2012@09:33	Soil	1
07021-012	U-20 (4.0-6.0)	4/6	7/13/2012@09:35	Soil	1
07021-013	S-19 (0-2.0)	0/2	7/13/2012@10:08	Soil	1
07021-014	S-19 (2.0-4.0)	2/4	7/13/2012@10:09	Soil	1
07021-015	S-19 (4.0-6.0)	4/6	7/13/2012@10:11	Soil	1
07021-016	R-19 (0-2.0)	0/2	7/13/2012@10:25	Soil	1
07021-017	R-19 (2.0-4.0)	2/4	7/13/2012@10:27	Soil	1
07021-018	R-19 (4.0-6.0)	4/6	7/13/2012@10:28	Soil	1
07021-019	Q-19 (0-2.0)	0/2	7/13/2012@10:42	Soil	1
07021-020	Q-19 (2.0-4.0)	2/4	7/13/2012@10:43	Soil	1
07021-021	Q-19 (4.0-6.0)	4/6	7/13/2012@10:44	Soil	1
07021-022	T-27 (0-2.0)	0/2	7/13/2012@11:05	Soil	1
07021-023	T-27 (2.0-4.0)	2/4	7/13/2012@11:06	Soil	1
07021-024	T-27 (4.0-6.0)	4/6	7/13/2012@11:07	Soil	1
07021-025	T-28 (0-2.0)	0/2	7/13/2012@11:38	Soil	1
07021-026	T-28 (2.0-4.0)	2/4	7/13/2012@11:39	Soil	1
07021-027	T-28 (4.0-6.0)	4/6	7/13/2012@11:40	Soil	1
07021-028	U-27 (0-2.0)	0/2	7/13/2012@11:59	Soil	1
07021-029	U-27 (2.0-4.0)	2/4	7/13/2012@12:00	Soil	1
07021-030	U-27 (4.0-6.0)	4/6	7/13/2012@12:01	Soil	1
07021-031	U-28 (0-2.0)	0/2	7/13/2012@12:58	Soil	1
07021-032	U-28 (2.0-4.0)	2/4	7/13/2012@12:59	Soil	1
07021-033	U-28 (4.0-6.0)	4/6	7/13/2012@13:03	Soil	1
07021-034	T-30 (0-2.0)	0/2	7/13/2012@13:28	Soil	1
07021-035	T-30 (2.0-4.0)	2/4	7/13/2012@13:29	Soil	1
07021-036	T-30 (4.0-6.0)	4/6	7/13/2012@13:31	Soil	1
07021-037	U-29 (0-2.0)	0/2	7/13/2012@14:25	Soil	1
07021-038	U-29 (2.0-4.0)	2/4	7/13/2012@14:26	Soil	1
07021-039	U-29 (4.0-4.5)	4/4.5	7/13/2012@14:27	Soil	1
07021-040	U-29 (4.5-6.0)	4.5/6	7/13/2012@14:28	Soil	1
07021-041	FB-12	n/a	7/13/2012@14:42	Aqueous	2

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

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

	Page
Qualifiers	1
Conformance / NonConformance Summaries	2
Results Summary Report	10
Analytical Results	16
PCBs	17
Methodology Summary *	
PCBs	58
PCBs QC Summary	59
Surrogate Percent Recovery Summary	
LCS, MS/MSD Recovery Summary	
Method Blank Summary	
Initial Calibration Report	
Continuing Calibration Report	
Retention Time Shift Summary	
PCBs Sample Data	110
Sample Quant Report and Chromatogram	
Method Blank Results	
Method Blank Quant Report and Chromatogram	
Sample Tracking	216
Chains of Custody	
Project Information	
Sample Receipt Verification	
Laboratory Chronicle	
Last Page of the Report	227

* 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 (40) soil sample(s) from JMC Environmental Consultants (IAL SDG # E12-07021, Project: ARSYNCO) on July 13, 2012 for the analysis of:

(41) 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

8/2/12
Date

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

Lab Case Number: E12- 07021

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

Comments:

Organic Manager

07-26-12
Date

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

Lab Case Number: E12 - 07021

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

Comments:

Organic Manager

07-27-12
Date

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

Lab Case Number: E12- 07021

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

Comments:

Organic Manager

07/31/12
Date

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

Lab Case Number: E12 - 07021

		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: 07021 #028, #057 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:

Organic Manager

07-31-12
Date

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

Lab Case Number: E12 - 07021

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

Comments: please see next page

Organic Manager

07-31-12
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 - 07021

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:

07021 # 019
023
025
029
030

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

RESULTS SUMMARY REPORT

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E12-07021

Lab ID:	**07021-041**		
Client ID:	**FB-12**		
Matrix:	**Aqueous**		
Sampled Date	**7/13/12**		
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:	**07021-001**			**07021-002**			**07021-003**			**07021-004**		
Client ID:	**R-20 (0-2.0)**			**R-20 (2.0-4.0)**			**R-20 (4.0-6.0)**			**S-20 (0-2.0)**		
Depth:	**0/2**			**2/4**			**4/6**			**0/2**		
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**		
Sampled Date	**7/13/12**			**7/13/12**			**7/13/12**			**7/13/12**		
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		1.96	ND		0.029	ND		0.018	ND		0.017
Aroclor-1221	ND		1.96	ND		0.029	ND		0.018	ND		0.017
Aroclor-1232	ND		1.96	ND		0.029	ND		0.018	ND		0.017
Aroclor-1242	ND		1.96	ND		0.029	ND		0.018	ND		0.017
Aroclor-1248	47.5		1.96	1.50		0.029	ND		0.018	0.945		0.017
Aroclor-1254	ND		1.96	ND		0.029	ND		0.018	ND		0.017
Aroclor-1260	ND		1.96	ND		0.029	ND		0.018	ND		0.017
Aroclor-1262	ND		1.96	ND		0.029	ND		0.018	ND		0.017
Aroclor-1268	ND		1.96	ND		0.029	ND		0.018	ND		0.017
PCBs	47.5		1.96	1.50		0.029	ND		0.018	0.945		0.017

Lab ID:	**07021-005**			**07021-006**			**07021-007**			**07021-008**		
Client ID:	**S-20 (2.0-4.0)**			**S-20 (4.0-6.0)**			**T-20 (0-2.0)**			**T-20 (2.0-4.0)**		
Depth:	**2/4**			**4/6**			**0/2**			**2/4**		
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**		
Sampled Date	**7/13/12**			**7/13/12**			**7/13/12**			**7/13/12**		
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		0.026	ND		0.017	ND		0.176	ND		0.024
Aroclor-1221	ND		0.026	ND		0.017	ND		0.176	ND		0.024
Aroclor-1232	ND		0.026	ND		0.017	ND		0.176	ND		0.024
Aroclor-1242	ND		0.026	ND		0.017	ND		0.176	ND		0.024
Aroclor-1248	ND		0.026	ND		0.017	10.3		0.176	ND		0.024
Aroclor-1254	ND		0.026	ND		0.017	ND		0.176	ND		0.024
Aroclor-1260	ND		0.026	ND		0.017	ND		0.176	ND		0.024
Aroclor-1262	ND		0.026	ND		0.017	ND		0.176	ND		0.024
Aroclor-1268	ND		0.026	ND		0.017	ND		0.176	ND		0.024
PCBs	ND		0.026	ND		0.017	10.3		0.176	ND		0.024

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E12-07021

Lab ID:	07021-009			07021-010			07021-011			07021-012		
Client ID:	T-20 (4.0-6.0)			U-20 (0-2.0)			U-20 (2.0-4.0)			U-20 (4.0-6.0)		
Depth:	4/6			0/2			2/4			4/6		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/13/12			7/13/12			7/13/12			7/13/12		
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		0.021	ND		0.018	ND		0.018	ND		0.018
Aroclor-1221	ND		0.021	ND		0.018	ND		0.018	ND		0.018
Aroclor-1232	ND		0.021	ND		0.018	ND		0.018	ND		0.018
Aroclor-1242	ND		0.021	ND		0.018	ND		0.018	ND		0.018
Aroclor-1248	ND		0.021	ND		0.018	ND		0.018	ND		0.018
Aroclor-1254	ND		0.021	ND		0.018	ND		0.018	ND		0.018
Aroclor-1260	ND		0.021	ND		0.018	ND		0.018	ND		0.018
Aroclor-1262	ND		0.021	ND		0.018	ND		0.018	ND		0.018
Aroclor-1268	ND		0.021	ND		0.018	ND		0.018	ND		0.018
PCBs	ND		0.021	ND		0.018	ND		0.018	ND		0.018

Lab ID:	07021-013			07021-014			07021-015			07021-016		
Client ID:	S-19 (0-2.0)			S-19 (2.0-4.0)			S-19 (4.0-6.0)			R-19 (0-2.0)		
Depth:	0/2			2/4			4/6			0/2		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/13/12			7/13/12			7/13/12			7/13/12		
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		0.163	ND		0.018	ND		0.028	ND		0.017
Aroclor-1221	ND		0.163	ND		0.018	ND		0.028	ND		0.017
Aroclor-1232	ND		0.163	ND		0.018	ND		0.028	ND		0.017
Aroclor-1242	ND		0.163	ND		0.018	ND		0.028	ND		0.017
Aroclor-1248	37.6		0.163	ND		0.018	ND		0.028	1.29		0.017
Aroclor-1254	ND		0.163	ND		0.018	ND		0.028	ND		0.017
Aroclor-1260	ND		0.163	ND		0.018	ND		0.028	ND		0.017
Aroclor-1262	ND		0.163	ND		0.018	ND		0.028	ND		0.017
Aroclor-1268	ND		0.163	ND		0.018	ND		0.028	ND		0.017
PCBs	37.6		0.163	ND		0.018	ND		0.028	1.29		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.: E12-07021

Lab ID:	07021-017			07021-018			07021-019			07021-020		
Client ID:	R-19 (2.0-4.0)			R-19 (4.0-6.0)			Q-19 (0-2.0)			Q-19 (2.0-4.0)		
Depth:	2/4			4/6			0/2			2/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/13/12			7/13/12			7/13/12			7/13/12		
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		0.030	ND		0.018	ND		0.016	ND		0.018
Aroclor-1221	ND		0.030	ND		0.018	ND		0.016	ND		0.018
Aroclor-1232	ND		0.030	ND		0.018	ND		0.016	ND		0.018
Aroclor-1242	ND		0.030	ND		0.018	ND		0.016	ND		0.018
Aroclor-1248	ND		0.030	ND		0.018	2.84		0.016	0.063		0.018
Aroclor-1254	ND		0.030	ND		0.018	ND		0.016	ND		0.018
Aroclor-1260	ND		0.030	ND		0.018	0.513		0.016	ND		0.018
Aroclor-1262	ND		0.030	ND		0.018	ND		0.016	ND		0.018
Aroclor-1268	ND		0.030	ND		0.018	ND		0.016	ND		0.018
PCBs	ND		0.030	ND		0.018	3.35		0.016	0.063		0.018

Lab ID:	07021-021			07021-022			07021-023			07021-024		
Client ID:	Q-19 (4.0-6.0)			T-27 (0-2.0)			T-27 (2.0-4.0)			T-27 (4.0-6.0)		
Depth:	4/6			0/2			2/4			4/6		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/13/12			7/13/12			7/13/12			7/13/12		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Aroclor-1016	ND		0.020	ND		0.016	ND		0.018	ND		0.036
Aroclor-1221	ND		0.020	ND		0.016	ND		0.018	ND		0.036
Aroclor-1232	ND		0.020	ND		0.016	ND		0.018	ND		0.036
Aroclor-1242	ND		0.020	ND		0.016	ND		0.018	ND		0.036
Aroclor-1248	ND		0.020	0.052		0.016	0.433		0.018	ND		0.036
Aroclor-1254	ND		0.020	ND		0.016	ND		0.018	ND		0.036
Aroclor-1260	ND		0.020	0.049		0.016	0.339		0.018	ND		0.036
Aroclor-1262	ND		0.020	ND		0.016	ND		0.018	ND		0.036
Aroclor-1268	ND		0.020	ND		0.016	ND		0.018	ND		0.036
PCBs	ND		0.020	0.100		0.016	0.772		0.018	ND		0.036

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E12-07021

Lab ID:	07021-025			07021-026			07021-027			07021-028		
Client ID:	T-28 (0-2.0)			T-28 (2.0-4.0)			T-28 (4.0-6.0)			U-27 (0-2.0)		
Depth:	0/2			2/4			4/6			0/2		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/13/12			7/13/12			7/13/12			7/13/12		
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		0.019	ND		0.026	ND		1.83
Aroclor-1221	ND		0.017	ND		0.019	ND		0.026	ND		1.83
Aroclor-1232	ND		0.017	ND		0.019	ND		0.026	ND		1.83
Aroclor-1242	ND		0.017	ND		0.019	ND		0.026	ND		1.83
Aroclor-1248	4.20		0.017	ND		0.019	ND		0.026	162		1.83
Aroclor-1254	ND		0.017	ND		0.019	ND		0.026	ND		1.83
Aroclor-1260	2.25		0.017	ND		0.019	ND		0.026	ND		1.83
Aroclor-1262	ND		0.017	ND		0.019	ND		0.026	ND		1.83
Aroclor-1268	ND		0.017	ND		0.019	ND		0.026	ND		1.83
PCBs	6.45		0.017	ND		0.019	ND		0.026	162		1.83

Lab ID:	07021-029			07021-030			07021-031			07021-032		
Client ID:	U-27 (2.0-4.0)			U-27 (4.0-6.0)			U-28 (0-2.0)			U-28 (2.0-4.0)		
Depth:	2/4			4/6			0/2			2/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/13/12			7/13/12			7/13/12			7/13/12		
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		0.021	ND		0.017	ND		0.018	ND		0.026
Aroclor-1221	ND		0.021	ND		0.017	ND		0.018	ND		0.026
Aroclor-1232	ND		0.021	ND		0.017	ND		0.018	ND		0.026
Aroclor-1242	ND		0.021	ND		0.017	ND		0.018	ND		0.026
Aroclor-1248	1.84		0.021	0.124		0.017	0.588		0.018	ND		0.026
Aroclor-1254	ND		0.021	ND		0.017	ND		0.018	ND		0.026
Aroclor-1260	1.72		0.021	0.083		0.017	1.06		0.018	ND		0.026
Aroclor-1262	ND		0.021	ND		0.017	ND		0.018	ND		0.026
Aroclor-1268	ND		0.021	ND		0.017	ND		0.018	ND		0.026
PCBs	3.56		0.021	0.207		0.017	1.65		0.018	ND		0.026

Lab ID:	07021-033			07021-034			07021-035			07021-036		
Client ID:	U-28 (4.0-6.0)			T-30 (0-2.0)			T-30 (2.0-4.0)			T-30 (4.0-6.0)		
Depth:	4/6			0/2			2/4			4/6		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/13/12			7/13/12			7/13/12			7/13/12		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Aroclor-1016	ND		0.018	ND		0.191	ND		0.024	ND		0.018
Aroclor-1221	ND		0.018	ND		0.191	ND		0.024	ND		0.018
Aroclor-1232	ND		0.018	ND		0.191	ND		0.024	ND		0.018
Aroclor-1242	ND		0.018	ND		0.191	ND		0.024	ND		0.018
Aroclor-1248	ND		0.018	ND		0.191	ND		0.024	ND		0.018
Aroclor-1254	ND		0.018	ND		0.191	ND		0.024	ND		0.018
Aroclor-1260	ND		0.018	86.1		0.191	3.09		0.024	ND		0.018
Aroclor-1262	ND		0.018	ND		0.191	ND		0.024	ND		0.018
Aroclor-1268	ND		0.018	ND		0.191	ND		0.024	ND		0.018
PCBs	ND		0.018	86.1		0.191	3.09		0.024	ND		0.018

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E12-07021

Lab ID:	07021-037			07021-038			07021-039			07021-040		
Client ID:	U-29 (0-2.0)			U-29 (2.0-4.0)			U-29 (4.0-4.5)			U-29 (4.5-6.0)		
Depth:	0/2			2/4			4/4.5			4.5/6		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	7/13/12			7/13/12			7/13/12			7/13/12		
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		2.14	ND		0.943	ND		0.029	ND		0.060
Aroclor-1221	ND		2.14	ND		0.943	ND		0.029	ND		0.060
Aroclor-1232	ND		2.14	ND		0.943	ND		0.029	ND		0.060
Aroclor-1242	ND		2.14	ND		0.943	ND		0.029	ND		0.060
Aroclor-1248	ND		2.14	ND		0.943	ND		0.029	ND		0.060
Aroclor-1254	ND		2.14	ND		0.943	ND		0.029	ND		0.060
Aroclor-1260	383		2.14	151		0.943	ND		0.029	0.986		0.060
Aroclor-1262	ND		2.14	ND		0.943	ND		0.029	ND		0.060
Aroclor-1268	ND		2.14	ND		0.943	ND		0.029	ND		0.060
PCBs	383		2.14	151		0.943	ND		0.029	0.986		0.060

ND = Analyzed for but Not Detected at the MDL

ANALYTICAL RESULTS

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-001
Client ID: R-20_(0-2.
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/28/2012
Data file: Y7560.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.62g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 27.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		4.90	1.96
Aroclor-1221	ND		4.90	1.96
Aroclor-1232	ND		4.90	1.96
Aroclor-1242	ND		4.90	1.96
Aroclor-1248	47.5		4.90	1.96
Aroclor-1254	ND		4.90	1.96
Aroclor-1260	ND		4.90	1.96
Aroclor-1262	ND		4.90	1.96
Aroclor-1268	ND		4.90	1.96
PCBs	47.5		4.90	1.96

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-002
Client ID: R-20_(2.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/28/2012
Data file: Y7561.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.66g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 51.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.073	0.029
Aroclor-1221	ND		0.073	0.029
Aroclor-1232	ND		0.073	0.029
Aroclor-1242	ND		0.073	0.029
Aroclor-1248	1.50		0.073	0.029
Aroclor-1254	ND		0.073	0.029
Aroclor-1260	ND		0.073	0.029
Aroclor-1262	ND		0.073	0.029
Aroclor-1268	ND		0.073	0.029
PCBs	1.50		0.073	0.029

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-003
Client ID: R-20_(4.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/28/2012
Data file: Y7562.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.62g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.7

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-004
Client ID: S-20_(0-2.
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/28/2012
Data file: Y7563.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.71g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.043	0.017
Aroclor-1221	ND		0.043	0.017
Aroclor-1232	ND		0.043	0.017
Aroclor-1242	ND		0.043	0.017
Aroclor-1248	0.945		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	0.945		0.043	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-005
Client ID: S-20_(2.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/28/2012
Data file: Y7564.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.54g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 45.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.066	0.026
Aroclor-1221	ND		0.066	0.026
Aroclor-1232	ND		0.066	0.026
Aroclor-1242	ND		0.066	0.026
Aroclor-1248	ND		0.066	0.026
Aroclor-1254	ND		0.066	0.026
Aroclor-1260	ND		0.066	0.026
Aroclor-1262	ND		0.066	0.026
Aroclor-1268	ND		0.066	0.026
PCBs	ND		0.066	0.026

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-006
Client ID: S-20_(4.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/28/2012
Data file: Y7565.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.86g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 18.3

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-007
Client ID: T-20_(0-2.
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/28/2012
Data file: Y7566.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.23g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 12.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.439	0.176
Aroclor-1221	ND		0.439	0.176
Aroclor-1232	ND		0.439	0.176
Aroclor-1242	ND		0.439	0.176
Aroclor-1248	10.3		0.439	0.176
Aroclor-1254	ND		0.439	0.176
Aroclor-1260	ND		0.439	0.176
Aroclor-1262	ND		0.439	0.176
Aroclor-1268	ND		0.439	0.176
PCBs	10.3		0.439	0.176

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-008
Client ID: T-20_(2.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/28/2012
Data file: Y7567.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.07g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 34.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.060	0.024
Aroclor-1221	ND		0.060	0.024
Aroclor-1232	ND		0.060	0.024
Aroclor-1242	ND		0.060	0.024
Aroclor-1248	ND		0.060	0.024
Aroclor-1254	ND		0.060	0.024
Aroclor-1260	ND		0.060	0.024
Aroclor-1262	ND		0.060	0.024
Aroclor-1268	ND		0.060	0.024
PCBs	ND		0.060	0.024

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-009
Client ID: T-20_(4.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/28/2012
Data file: Y7568.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.96g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 34.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.051	0.021
Aroclor-1221	ND		0.051	0.021
Aroclor-1232	ND		0.051	0.021
Aroclor-1242	ND		0.051	0.021
Aroclor-1248	ND		0.051	0.021
Aroclor-1254	ND		0.051	0.021
Aroclor-1260	ND		0.051	0.021
Aroclor-1262	ND		0.051	0.021
Aroclor-1268	ND		0.051	0.021
PCBs	ND		0.051	0.021

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-010
Client ID: U-20_(0-2.
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/28/2012
Data file: Y7569.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.31g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 14.7

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-011
Client ID: U-20_(2.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/28/2012
Data file: Y7570.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.12g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 13.7

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-012
Client ID: U-20_(4.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/28/2012
Data file: Y7571.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.49g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.6

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-013
Client ID: S-19_(0-2.
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/28/2012
Data file: Y7572.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.83g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 16.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.408	0.163
Aroclor-1221	ND		0.408	0.163
Aroclor-1232	ND		0.408	0.163
Aroclor-1242	ND		0.408	0.163
Aroclor-1248	37.6		0.408	0.163
Aroclor-1254	ND		0.408	0.163
Aroclor-1260	ND		0.408	0.163
Aroclor-1262	ND		0.408	0.163
Aroclor-1268	ND		0.408	0.163
PCBs	37.6		0.408	0.163

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-014
Client ID: S-19_(2.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/28/2012
Data file: Y7573.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.24g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 13.0

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-015
Client ID: S-19_(4.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/28/2012
Data file: Y7574.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.16g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 45.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.071	0.028
Aroclor-1221	ND		0.071	0.028
Aroclor-1232	ND		0.071	0.028
Aroclor-1242	ND		0.071	0.028
Aroclor-1248	ND		0.071	0.028
Aroclor-1254	ND		0.071	0.028
Aroclor-1260	ND		0.071	0.028
Aroclor-1262	ND		0.071	0.028
Aroclor-1268	ND		0.071	0.028
PCBs	ND		0.071	0.028

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-016
Client ID: R-19_(0-2.
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/28/2012
Data file: Y7575.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.47g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.043	0.017
Aroclor-1221	ND		0.043	0.017
Aroclor-1232	ND		0.043	0.017
Aroclor-1242	ND		0.043	0.017
Aroclor-1248	1.29		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	1.29		0.043	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-017
Client ID: R-19_(2.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/28/2012
Data file: Y7576.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.11g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 48.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.076	0.030
Aroclor-1221	ND		0.076	0.030
Aroclor-1232	ND		0.076	0.030
Aroclor-1242	ND		0.076	0.030
Aroclor-1248	ND		0.076	0.030
Aroclor-1254	ND		0.076	0.030
Aroclor-1260	ND		0.076	0.030
Aroclor-1262	ND		0.076	0.030
Aroclor-1268	ND		0.076	0.030
PCBs	ND		0.076	0.030

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-018
Client ID: R-19_(4.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7386.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.63g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.7

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-019
Client ID: Q-19_(0-2.
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7387.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.46g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 11.1

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	2.84		0.041	0.016
Aroclor-1254	ND		0.041	0.016
Aroclor-1260	0.513		0.041	0.016
Aroclor-1262	ND		0.041	0.016
Aroclor-1268	ND		0.041	0.016
PCBs	3.35		0.041	0.016

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-020
Client ID: Q-19_(2.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7388.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.72g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 23.8

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	0.063		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	0.063		0.046	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-021
Client ID: Q-19_(4.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7389.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.95g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 31.5

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-022
Client ID: T-27_(0-2.
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7390.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.36g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 9.50

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	0.052		0.041	0.016
Aroclor-1254	ND		0.041	0.016
Aroclor-1260	0.049		0.041	0.016
Aroclor-1262	ND		0.041	0.016
Aroclor-1268	ND		0.041	0.016
PCBs	0.100		0.041	0.016

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-023
Client ID: T-27_(2.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7391.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.16g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 14.2

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	0.433		0.045	0.018
Aroclor-1254	ND		0.045	0.018
Aroclor-1260	0.339		0.045	0.018
Aroclor-1262	ND		0.045	0.018
Aroclor-1268	ND		0.045	0.018
PCBs	0.772		0.045	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-024
Client ID: T-27_(4.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7392.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.67g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 60.3

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-025
Client ID: T-28_(0-2.
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7393.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.68g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.043	0.017
Aroclor-1221	ND		0.043	0.017
Aroclor-1232	ND		0.043	0.017
Aroclor-1242	ND		0.043	0.017
Aroclor-1248	4.20		0.043	0.017
Aroclor-1254	ND		0.043	0.017
Aroclor-1260	2.25		0.043	0.017
Aroclor-1262	ND		0.043	0.017
Aroclor-1268	ND		0.043	0.017
PCBs	6.45		0.043	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-026
Client ID: T-28_(2.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7394.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.6

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-027
Client ID: T-28_(4.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7395.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.32g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 41.6

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-028
Client ID: U-27_(0-2.
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/27/2012
Data file: Y7489.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.04g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 13.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		4.58	1.83
Aroclor-1221	ND		4.58	1.83
Aroclor-1232	ND		4.58	1.83
Aroclor-1242	ND		4.58	1.83
Aroclor-1248	162		4.58	1.83
Aroclor-1254	ND		4.58	1.83
Aroclor-1260	ND		4.58	1.83
Aroclor-1262	ND		4.58	1.83
Aroclor-1268	ND		4.58	1.83
PCBs	162		4.58	1.83

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-029
Client ID: U-27_(2.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7397.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.24g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 28.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.053	0.021
Aroclor-1221	ND		0.053	0.021
Aroclor-1232	ND		0.053	0.021
Aroclor-1242	ND		0.053	0.021
Aroclor-1248	1.84		0.053	0.021
Aroclor-1254	ND		0.053	0.021
Aroclor-1260	1.72		0.053	0.021
Aroclor-1262	ND		0.053	0.021
Aroclor-1268	ND		0.053	0.021
PCBs	3.56		0.053	0.021

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-030
Client ID: U-27_(4.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7398.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.53g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.6

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	0.124		0.043	0.017
Aroclor-1254	ND		0.043	0.017
Aroclor-1260	0.083		0.043	0.017
Aroclor-1262	ND		0.043	0.017
Aroclor-1268	ND		0.043	0.017
PCBs	0.207		0.043	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-031
Client ID: U-28_(0-2.
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7399.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.04g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 10.5

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	0.588		0.044	0.018
Aroclor-1254	ND		0.044	0.018
Aroclor-1260	1.06		0.044	0.018
Aroclor-1262	ND		0.044	0.018
Aroclor-1268	ND		0.044	0.018
PCBs	1.65		0.044	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-032
Client ID: U-28_(2.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7400.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.36g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 43.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.066	0.026
Aroclor-1221	ND		0.066	0.026
Aroclor-1232	ND		0.066	0.026
Aroclor-1242	ND		0.066	0.026
Aroclor-1248	ND		0.066	0.026
Aroclor-1254	ND		0.066	0.026
Aroclor-1260	ND		0.066	0.026
Aroclor-1262	ND		0.066	0.026
Aroclor-1268	ND		0.066	0.026
PCBs	ND		0.066	0.026

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-033
Client ID: U-28_(4.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7401.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.50g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.7

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-034
Client ID: T-30_(0-2.
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/27/2012
Data file: Y7490.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.29g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 20.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.477	0.191
Aroclor-1221	ND		0.477	0.191
Aroclor-1232	ND		0.477	0.191
Aroclor-1242	ND		0.477	0.191
Aroclor-1248	ND		0.477	0.191
Aroclor-1254	ND		0.477	0.191
Aroclor-1260	86.1		0.477	0.191
Aroclor-1262	ND		0.477	0.191
Aroclor-1268	ND		0.477	0.191
PCBs	86.1		0.477	0.191

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-035
Client ID: T-30_(2.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7403.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.54g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 38.9

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	3.09		0.059	0.024
Aroclor-1262	ND		0.059	0.024
Aroclor-1268	ND		0.059	0.024
PCBs	3.09		0.059	0.024

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-036
Client ID: T-30_(4.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7404.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.85g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 24.0

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	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: 07021-037
Client ID: U-29_(0-2.
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/27/2012
Data file: Y7491.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.02g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 25.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		5.34	2.14
Aroclor-1221	ND		5.34	2.14
Aroclor-1232	ND		5.34	2.14
Aroclor-1242	ND		5.34	2.14
Aroclor-1248	ND		5.34	2.14
Aroclor-1254	ND		5.34	2.14
Aroclor-1260	383		5.34	2.14
Aroclor-1262	ND		5.34	2.14
Aroclor-1268	ND		5.34	2.14
PCBs	383		5.34	2.14

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-038
Client ID: U-29_(2.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/26/2012
Data file: Y7416.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.31g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 50
% Moisture: 20.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		2.36	0.943
Aroclor-1221	ND		2.36	0.943
Aroclor-1232	ND		2.36	0.943
Aroclor-1242	ND		2.36	0.943
Aroclor-1248	ND		2.36	0.943
Aroclor-1254	ND		2.36	0.943
Aroclor-1260	151		2.36	0.943
Aroclor-1262	ND		2.36	0.943
Aroclor-1268	ND		2.36	0.943
PCBs	151		2.36	0.943

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-039
Client ID: U-29_(4.0-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/26/2012
Data file: Y7417.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.06g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 46.2

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-040
Client ID: U-29_(4.5-
Date Received: 07/13/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7362.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.42g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 75.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.149	0.060
Aroclor-1221	ND		0.149	0.060
Aroclor-1232	ND		0.149	0.060
Aroclor-1242	ND		0.149	0.060
Aroclor-1248	ND		0.149	0.060
Aroclor-1254	ND		0.149	0.060
Aroclor-1260	0.986		0.149	0.060
Aroclor-1262	ND		0.149	0.060
Aroclor-1268	ND		0.149	0.060
PCBs	0.986		0.149	0.060

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 07021-041
Client ID: FB-12
Date Received: 07/13/2012
Date Extracted: 07/19/2012
Date Analyzed: 07/24/2012
Data file: Y7276.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: 07/24/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKA120719-17	AQUEOUS	81		70		89		76	
FB-11	06968-052	AQUEOUS	73		66		80		73	
TRE-V12-18	07090-001	AQUEOUS	36		39		54		57	
TRE-V12-18	07090-002	AQUEOUS	34		36		50		54	
FB-12	07021-041	AQUEOUS	71		52		78		66	
MW-2R	07047-001	AQUEOUS	71		70		76		79	
MW-3	07047-002	AQUEOUS	62		74		73		85	
FB	07047-004	AQUEOUS	72		67		77		68	
FB-14	07117-058	AQUEOUS	77		70		82		77	
FB-13	07070-059	AQUEOUS	66		61		71		64	
PCB	07047-001MS	AQUEOUS	67		79		75		86	
PCB	07047-001MSD	AQUEOUS	59		75		64		83	
PCB	LCSA120719-17	AQUEOUS	115		108		118		109	
MW-15	07047-003	AQUEOUS	82		86		84		95	

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: 07/25/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS120723-10	SOIL	102		109		106		101	
R-19_(4.0-	07021-018	SOIL	112		123		117		117	
Q-19_(0-2.	07021-019	SOIL	95		104		108		101	
Q-19_(2.0-	07021-020	SOIL	105		105		113		105	
Q-19_(4.0-	07021-021	SOIL	116		112		121		113	
T-27_(0-2.	07021-022	SOIL	102		102		106		96	
T-27_(2.0-	07021-023	SOIL	112		114		120		111	
T-27_(4.0-	07021-024	SOIL	119		114		124		117	
T-28_(0-2.	07021-025	SOIL	84		91		104		95	
T-28_(2.0-	07021-026	SOIL	100		102		112		102	
T-28_(4.0-	07021-027	SOIL	130		138		143		138	
U-27_(2.0-	07021-029	SOIL	98		79		112		83	
U-27_(4.0-	07021-030	SOIL	109		101		115		102	
U-28_(0-2.	07021-031	SOIL	74		81		93		86	
U-28_(2.0-	07021-032	SOIL	110		101		119		109	
U-28_(4.0-	07021-033	SOIL	110		98		115		105	
T-30_(2.0-	07021-035	SOIL	74		84		95		88	
T-30_(4.0-	07021-036	SOIL	105		95		114		110	
PCB	07021-031MS	SOIL	69		77		91		85	
PCB	07021-031MSD	SOIL	73		74		93		83	
PCB	LCSS120723-10	SOIL	102		91		108		98	

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: 07/27/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS120723-10	SOIL	117		112		110		105	
U-27_(0-2.	07021-028	SOIL	D		D		D		D	
T-30_(0-2.	07021-034	SOIL	107		127		105		102	
U-29_(0-2.	07021-037	SOIL	D		D		D		D	
PCB	LCSS120723-10	SOIL	118		66		110		102	

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: 07/25/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS120723-11	SOIL	104		108		108		102	
U-29_(4.5-	07021-040	SOIL	100		119		123		120	
CS-3-15K	07288-001	SOLID	101		101		108		103	
CS-3-15M	07288-003	SOLID	57		62		81		94	
GPECWC0717	07194-001	SOIL	97		77		103		86	
T-42_(0-2.	07070-001	SOIL	125		109		120		139	
T-42_(3.0-	07070-003	SOIL	96		104		111		99	
T-42_(4.0-	07070-004	SOIL	D		D		D		D	
T-42_(6.0-	07070-005	SOIL	105		122		123		104	
S-43_(0-2.	07070-006	SOIL	149		121		129		126	
S-43_(8.0-	07070-010	SOIL	114		111		119		116	
R-44_(2.0-	07070-012	SOIL	111		117		120		111	
R-44_(4.0-	07070-013	SOIL	111		114		116		116	
R-46_(0-2.	07070-014	SOIL	130		124		121		128	
PCB	07194-001MS	SOIL	103		107		107		105	
PCB	07194-001MSD	SOIL	104		110		109		100	
PCB	LCSS120723-11	SOIL	103		108		106		102	
U-29_(2.0-	07021-038	SOIL	130		130		160		130	
U-29_(4.0-	07021-039	SOIL	78		52		125		76	
T-42_(2.0-	07070-002	SOIL	D		D		D		D	
S-43_(2.0-	07070-007	SOIL	81		69		93		80	
S-43_(4.0-	07070-008	SOIL	108		90		118		95	
S-43_(6.0-	07070-009	SOIL	145		125		154		133	
R-44_(0-2.	07070-011	SOIL	154		97		135		113	

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: 07/28/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS120723-08	SOIL	109		101		103		101	
R-20_(0-2.	07021-001	SOIL	D		D		D		D	
R-20_(2.0-	07021-002	SOIL	119		126		116		129	
R-20_(4.0-	07021-003	SOIL	114		78		109		126	
S-20_(0-2.	07021-004	SOIL	93		98		108		94	
S-20_(2.0-	07021-005	SOIL	123		101		118		107	
S-20_(4.0-	07021-006	SOIL	113		98		107		110	
T-20_(0-2.	07021-007	SOIL	114		110		119		118	
T-20_(2.0-	07021-008	SOIL	103		106		118		122	
T-20_(4.0-	07021-009	SOIL	117		98		120		126	
U-20_(0-2.	07021-010	SOIL	99		82		98		96	
U-20_(2.0-	07021-011	SOIL	108		99		104		96	
U-20_(4.0-	07021-012	SOIL	115		95		112		102	
S-19_(0-2.	07021-013	SOIL	129		119		125		110	
S-19_(2.0-	07021-014	SOIL	111		99		107		98	
S-19_(4.0-	07021-015	SOIL	125		124		124		133	
R-19_(0-2.	07021-016	SOIL	108		97		106		100	
R-19_(2.0-	07021-017	SOIL	121		102		117		124	
PCB	07021-011MS	SOIL	108		92		104		114	
PCB	07021-011MSD	SOIL	110		103		105		115	
PCB	LCSS120723-08	SOIL	110		96		103		99	
SS-17	06986-017	SOIL	100		92		92		85	
SS-18	06986-018	SOIL	107		84		96		113	
SS-19	06986-019	SOIL	106		91		95		108	

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: LCSA120719-17

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	466.1	93	70 - 130
Aroclor-1260	500.0	0.0	492.3	98	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: LCSS120723-10

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	396.5	79	70 - 130
Aroclor-1260	500.0	0.0	367.3	73	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: LCSS120723-10

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	459.7	92	70 - 130
Aroclor-1260	500.0	0.0	447.1	89	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: LCSS120723-11

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	406.4	81	70 - 130
Aroclor-1260	500.0	0.0	502.0	100	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: LCSS120723-08

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	445.9	89	70 - 130
Aroclor-1260	500.0	0.0	476.0	95	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

AQUEOUS PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 07047-001MSD

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	398.3	80	40 - 140
Aroclor-1260	500.0	0.0	425.7	85	40 - 140

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	316.3	63	24	50	40 - 140
Aroclor-1260	0.0	369.9	74	14	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: 07021-031MSD

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	379.0	76	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	390.1	78	3	50	40 - 140
Aroclor-1260	0.0	477.7	96	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: 07194-001MSD

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	408.2	82	40 - 140
Aroclor-1260	500.0	0.0	492.7	99	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	#	MSD % REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	417.1		83	1	50	40 - 140
Aroclor-1260	0.0	505.5		101	2	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: 07021-011

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	438.8	88	40 - 140
Aroclor-1260	500.0	0.0	458.9	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	445.7		89	1	50	40 - 140
Aroclor-1260	0.0	481.5		96	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: Y7272.D

Instrument ID: GC-Y

Date Extracted: 07/19/2012

Matrix: AQUEOUS

Date Analyzed: 07/24/2012

Time Analyzed: 04:30

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FB-11	06968-052	07/24/2012	04:48
TRE-V12-18	07090-001	07/24/2012	05:05
TRE-V12-18	07090-002	07/24/2012	05:22
FB-12	07021-041	07/24/2012	05:39
MW-2R	07047-001	07/24/2012	05:56
MW-3	07047-002	07/24/2012	06:13
FB	07047-004	07/24/2012	06:48
FB-14	07117-058	07/24/2012	07:05
FB-13	07070-059	07/24/2012	07:22
PCB	07047-001MS	07/24/2012	07:39
PCB	07047-001MSD	07/24/2012	07:57
PCB	LCSA120719-17	07/24/2012	08:14
MW-15	07047-003	07/25/2012	04:43

PCB METHOD BLANK SUMMARY

Lab File ID: Y7385.D

Instrument ID: GC-Y

Date Extracted: 07/23/2012

Matrix: SOIL

Date Analyzed: 07/25/2012

Time Analyzed: 14:27

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
R-19_(4.0-	07021-018	07/25/2012	14:45
Q-19_(0-2.	07021-019	07/25/2012	15:02
Q-19_(2.0-	07021-020	07/25/2012	15:19
Q-19_(4.0-	07021-021	07/25/2012	15:36
T-27_(0-2.	07021-022	07/25/2012	15:53
T-27_(2.0-	07021-023	07/25/2012	16:11
T-27_(4.0-	07021-024	07/25/2012	16:28
T-28_(0-2.	07021-025	07/25/2012	16:45
T-28_(2.0-	07021-026	07/25/2012	17:02
T-28_(4.0-	07021-027	07/25/2012	17:19
U-27_(2.0-	07021-029	07/25/2012	18:42
U-27_(4.0-	07021-030	07/25/2012	18:59
U-28_(0-2.	07021-031	07/25/2012	19:16
U-28_(2.0-	07021-032	07/25/2012	19:33
U-28_(4.0-	07021-033	07/25/2012	19:50
T-30_(2.0-	07021-035	07/25/2012	20:25
T-30_(4.0-	07021-036	07/25/2012	20:42
PCB	07021-031MS	07/25/2012	21:16
PCB	07021-031MSD	07/25/2012	21:34
PCB	LCSS120723-10	07/25/2012	21:51

PCB METHOD BLANK SUMMARY

Lab File ID:	Y7488.D	Instrument ID:	GC-Y
Date Extracted:	07/23/2012	Matrix:	SOIL
Date Analyzed:	07/27/2012	Time Analyzed:	17:01

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
U-27_(0-2.	07021-028	07/27/2012	17:18
T-30_(0-2.	07021-034	07/27/2012	17:36
U-29_(0-2.	07021-037	07/27/2012	18:13
PCB	LCSS120723-10	07/27/2012	18:30

PCB METHOD BLANK SUMMARY

Lab File ID: Y7359.D

Instrument ID: GC-Y

Date Extracted: 07/23/2012

Matrix: SOIL

Date Analyzed: 07/25/2012

Time Analyzed: 07:00

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
U-29_(4.5-	07021-040	07/25/2012	07:52
CS-3-15K	07288-001	07/25/2012	08:09
CS-3-15M	07288-003	07/25/2012	08:26
GPECWC0717	07194-001	07/25/2012	08:43
T-42_(0-2.	07070-001	07/25/2012	09:00
T-42_(3.0-	07070-003	07/25/2012	09:35
T-42_(4.0-	07070-004	07/25/2012	09:52
T-42_(6.0-	07070-005	07/25/2012	10:09
S-43_(0-2.	07070-006	07/25/2012	10:26
S-43_(8.0-	07070-010	07/25/2012	11:35
R-44_(2.0-	07070-012	07/25/2012	12:10
R-44_(4.0-	07070-013	07/25/2012	12:27
R-46_(0-2.	07070-014	07/25/2012	12:44
PCB	07194-001MS	07/25/2012	13:01
PCB	07194-001MSD	07/25/2012	13:19
PCB	LCSS120723-11	07/25/2012	13:36
U-29_(2.0-	07021-038	07/26/2012	00:26
U-29_(4.0-	07021-039	07/26/2012	00:43
T-42_(2.0-	07070-002	07/26/2012	01:00
S-43_(2.0-	07070-007	07/26/2012	01:17
S-43_(4.0-	07070-008	07/26/2012	01:35
S-43_(6.0-	07070-009	07/26/2012	01:52
R-44_(0-2.	07070-011	07/26/2012	02:09

PCB METHOD BLANK SUMMARY

Lab File ID: Y7556.D

Instrument ID: GC-Y

Date Extracted: 07/23/2012

Matrix: SOIL

Date Analyzed: 07/28/2012

Time Analyzed: 13:43

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
R-20_(0-2.	07021-001	07/28/2012	14:52
R-20_(2.0-	07021-002	07/28/2012	15:09
R-20_(4.0-	07021-003	07/28/2012	15:26
S-20_(0-2.	07021-004	07/28/2012	15:44
S-20_(2.0-	07021-005	07/28/2012	16:01
S-20_(4.0-	07021-006	07/28/2012	16:18
T-20_(0-2.	07021-007	07/28/2012	16:35
T-20_(2.0-	07021-008	07/28/2012	16:52
T-20_(4.0-	07021-009	07/28/2012	17:10
U-20_(0-2.	07021-010	07/28/2012	17:27
U-20_(2.0-	07021-011	07/28/2012	17:44
U-20_(4.0-	07021-012	07/28/2012	18:01
S-19_(0-2.	07021-013	07/28/2012	18:18
S-19_(2.0-	07021-014	07/28/2012	18:36
S-19_(4.0-	07021-015	07/28/2012	18:53
R-19_(0-2.	07021-016	07/28/2012	19:10
R-19_(2.0-	07021-017	07/28/2012	19:27
PCB	07021-011MS	07/28/2012	19:45
PCB	07021-011MSD	07/28/2012	20:02
PCB	LCSS120723-08	07/28/2012	20:19
SS-17	06986-017	07/29/2012	15:31
SS-18	06986-018	07/29/2012	15:48
SS-19	06986-019	07/29/2012	16:05

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 06/26/2012

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

Data File: Y5693.D Y5692.D Y5691.D Y5690.D Y5689.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1016	3.27	3.28	3.28	3.28	3.28	3.28	3.21	3.35
Aroclor-1016 {2}	4.11	4.10	4.11	4.11	4.11	4.11	4.04	4.18
Aroclor-1016 {3}	4.65	4.66	4.65	4.65	4.65	4.65	4.58	4.72
Aroclor-1016 {4}	5.16	5.16	5.16	5.16	5.16	5.16	5.09	5.23
Aroclor-1016 {5}	5.55	5.55	5.55	5.55	5.55	5.55	5.48	5.62
Aroclor-1221			2.17				2.10	2.24
Aroclor-1221 {2}			3.07				3.00	3.14
Aroclor-1221 {3}			3.19				3.12	3.26
Aroclor-1221 {4}			3.27				3.20	3.34
Aroclor-1221 {5}			3.86				3.79	3.93
Aroclor-1232			3.27				3.20	3.34
Aroclor-1232 {2}			4.10				4.03	4.17
Aroclor-1232 {3}			4.76				4.69	4.83
Aroclor-1232 {4}			5.35				5.28	5.42
Aroclor-1232 {5}			5.55				5.48	5.62
Aroclor-1242			4.11				4.04	4.18
Aroclor-1242 {2}			5.04				4.97	5.11
Aroclor-1242 {3}			5.36				5.29	5.43
Aroclor-1242 {4}			6.05				5.98	6.12
Aroclor-1242 {5}			6.32				6.25	6.39
Aroclor-1248			4.50				4.42	4.58
Aroclor-1248 {2}			5.04				4.96	5.12
Aroclor-1248 {3}			5.36				5.28	5.44
Aroclor-1248 {4}			6.06				5.98	6.14
Aroclor-1248 {5}			6.33				6.25	6.41
Aroclor-1254			6.45				6.37	6.53
Aroclor-1254 {2}			6.88				6.80	6.96
Aroclor-1254 {3}			7.05				6.96	7.14
Aroclor-1254 {4}			7.48				7.39	7.57
Aroclor-1254 {5}			8.33				8.24	8.42
Aroclor-1260	8.32	8.32	8.32	8.33	8.32	8.32	7.42	9.22
Aroclor-1260 {2}	9.00	9.00	9.00	9.00	9.00	9.00	8.10	9.90
Aroclor-1260 {3}	9.47	9.47	9.47	9.47	9.47	9.47	8.57	10.37
Aroclor-1260 {4}	9.95	9.95	9.95	9.95	9.95	9.95	9.05	10.85
Aroclor-1260 {5}	11.01	11.01	11.01	11.01	11.01	11.01	10.11	11.91

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 06/26/2012

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

Data File: Y5693.D Y5692.D Y5691.D Y5690.D Y5689.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	2158526	1576000	1698131	1764462	1711954	1781815	12.44
Aroclor-1016 {2}	2402575	2200752	2357394	2475021	2422935	2371736	4.41
Aroclor-1016 {3}	3011949	2882239	3177441	3334621	3218928	3125036	5.71
Aroclor-1016 {4}	1681635	1432658	1450872	1515174	1485014	1513071	6.57
Aroclor-1016 {5}	2597064	2368911	2578717	2724853	2708544	2595618	5.49
Aroclor-1221			828520				
Aroclor-1221 {2}			1275655				
Aroclor-1221 {3}			857847				
Aroclor-1221 {4}			2894853				
Aroclor-1221 {5}			670112				
Aroclor-1232			2063367				
Aroclor-1232 {2}			1131048				
Aroclor-1232 {3}			1055895				
Aroclor-1232 {4}			1126126				
Aroclor-1232 {5}			1450731				
Aroclor-1242			2034139				
Aroclor-1242 {2}			1293898				
Aroclor-1242 {3}			1881596				
Aroclor-1242 {4}			2805290				
Aroclor-1242 {5}			2579945				
Aroclor-1248			4238052				
Aroclor-1248 {2}			2416821				
Aroclor-1248 {3}			3236060				
Aroclor-1248 {4}			5160666				
Aroclor-1248 {5}			4144900				
Aroclor-1254			4674394				
Aroclor-1254 {2}			3742416				
Aroclor-1254 {3}			7049491				
Aroclor-1254 {4}			7076508				
Aroclor-1254 {5}			6604307				
Aroclor-1260	6883885	6422839	7458788	7740786	7175397	7136339	7.16
Aroclor-1260 {2}	3543900	3011968	3350316	3459291	3428078	3358711	6.13
Aroclor-1260 {3}	8936763	7244082	8370413	8710148	8431730	8338627	7.83
Aroclor-1260 {4}	4086888	4169347	4220226	4362104	4255205	4218754	2.42
Aroclor-1260 {5}	1823349	1628762	1601873	1633329	1570813	1651625	6.01
						Average %RSD	6.41

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 06/26/2012

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

Data File: Y5693.C Y5692.C Y5691.C Y5690.C Y5689.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1016	3.82	3.81	3.82	3.82	3.82	3.82	3.75	3.89
Aroclor-1016 {2}	4.42	4.42	4.42	4.42	4.42	4.42	4.35	4.49
Aroclor-1016 {3}	5.17	5.17	5.17	5.17	5.17	5.17	5.10	5.24
Aroclor-1016 {4}	5.38	5.38	5.38	5.38	5.38	5.38	5.31	5.45
Aroclor-1016 {5}	5.56	5.56	5.56	5.56	5.56	5.56	5.49	5.63
Aroclor-1221			2.49				2.42	2.56
Aroclor-1221 {2}			3.50				3.43	3.57
Aroclor-1221 {3}			3.73				3.66	3.80
Aroclor-1221 {4}			3.83				3.76	3.90
Aroclor-1221 {5}			5.18				5.11	5.25
Aroclor-1232			3.83				3.76	3.90
Aroclor-1232 {2}			4.82				4.75	4.89
Aroclor-1232 {3}			5.39				5.32	5.46
Aroclor-1232 {4}			5.57				5.50	5.64
Aroclor-1232 {5}			6.17				6.10	6.24
Aroclor-1242			4.81				4.74	4.88
Aroclor-1242 {2}			5.56				5.49	5.63
Aroclor-1242 {3}			6.16				6.09	6.23
Aroclor-1242 {4}			6.32				6.25	6.39
Aroclor-1242 {5}			6.85				6.78	6.92
Aroclor-1248			5.17				5.09	5.25
Aroclor-1248 {2}			5.76				5.68	5.84
Aroclor-1248 {3}			6.16				6.08	6.24
Aroclor-1248 {4}			6.31				6.23	6.39
Aroclor-1248 {5}			6.66				6.58	6.74
Aroclor-1254			7.16				7.08	7.24
Aroclor-1254 {2}			7.75				7.67	7.83
Aroclor-1254 {3}			8.36				8.27	8.45
Aroclor-1254 {4}			8.59				8.50	8.68
Aroclor-1254 {5}			9.18				9.09	9.27
Aroclor-1260	7.93	7.93	7.93	7.93	7.93	7.93	7.03	8.83
Aroclor-1260 {2}	8.18	8.18	8.18	8.18	8.18	8.18	7.28	9.08
Aroclor-1260 {3}	9.78	9.78	9.78	9.78	9.78	9.78	8.88	10.68
Aroclor-1260 {4}	10.28	10.28	10.28	10.28	10.28	10.28	9.38	11.18
Aroclor-1260 {5}	10.87	10.87	10.87	10.87	10.87	10.87	9.97	11.77

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 06/26/2012

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

Data File: Y5693.C Y5692.C Y5691.C Y5690.C Y5689.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	639129	556083	544610	543480	516688	559998	8.31
Aroclor-1016 {2}	1365709	1182903	1092201	1079621	1029700	1150027	11.53
Aroclor-1016 {3}	2992384	2496318	2480225	2496406	2421461	2577359	9.08
Aroclor-1016 {4}	1105095	1106203	1048532	1040620	999297	1059949	4.31
Aroclor-1016 {5}	1169612	852192	813028	812368	784228	886286	18.08
Aroclor-1221			258324				
Aroclor-1221 {2}			355681				
Aroclor-1221 {3}			235125				
Aroclor-1221 {4}			860404				
Aroclor-1221 {5}			159575				
Aroclor-1232			657366				
Aroclor-1232 {2}			243462				
Aroclor-1232 {3}			535109				
Aroclor-1232 {4}			410759				
Aroclor-1232 {5}			569667				
Aroclor-1242			407951				
Aroclor-1242 {2}			694356				
Aroclor-1242 {3}			923104				
Aroclor-1242 {4}			770055				
Aroclor-1242 {5}			1481229				
Aroclor-1248			1317451				
Aroclor-1248 {2}			1948855				
Aroclor-1248 {3}			1413456				
Aroclor-1248 {4}			1205391				
Aroclor-1248 {5}			660352				
Aroclor-1254			1777649				
Aroclor-1254 {2}			1317035				
Aroclor-1254 {3}			1340827				
Aroclor-1254 {4}			737293				
Aroclor-1254 {5}			1811680				
Aroclor-1260	917650	964102	906415	900990	871776	912187	3.68
Aroclor-1260 {2}	1607423	1384418	1296595	1285273	1245243	1363790	10.66
Aroclor-1260 {3}	1232724	1193984	1095226	1068774	1055784	1129299	7.02
Aroclor-1260 {4}	2390638	2154327	2351228	2354437	2330183	2316162	4.02
Aroclor-1260 {5}	1690329	1459572	1755368	1697742	1795274	1679657	7.76
					Average %RSD		8.45

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 06/26/2012

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

Data File: Y5693.D Y5692.D Y5691.D Y5690.D Y5689.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1262			8.62				7.72	7.72
Aroclor-1262 {2}			9.47				8.57	8.57
Aroclor-1262 {3}			10.10				9.20	9.20
Aroclor-1262 {4}			10.19				9.19	9.19
Aroclor-1262 {5}			11.01				10.01	10.01
Aroclor-1268			10.10				9.10	9.10
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}			11.61				10.51	10.51

GC Column (2nd): DB-1701P

Data File: Y5693.C Y5692.C Y5691.C Y5690.C Y5689.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1262			9.78				8.88	8.88
Aroclor-1262 {2}			10.28				9.38	9.38
Aroclor-1262 {3}			10.78				9.88	9.88
Aroclor-1262 {4}			10.87				9.87	9.87
Aroclor-1262 {5}			11.47				10.47	10.47
Aroclor-1268			10.78				9.78	9.78
Aroclor-1268 {2}			10.86				9.76	9.76
Aroclor-1268 {3}			11.12				10.02	10.02
Aroclor-1268 {4}			11.26				10.16	10.16
Aroclor-1268 {5}			12.34				11.24	11.24

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 06/26/2012

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

Data File: Y5693.D Y5692.D Y5691.D Y5690.D Y5689.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			7073891				
Aroclor-1262 {2}			13053876				
Aroclor-1262 {3}			3301435				
Aroclor-1262 {4}			4436742				
Aroclor-1262 {5}			3777047				
Aroclor-1268			11864453				
Aroclor-1268 {2}			12465549				
Aroclor-1268 {3}			7914907				
Aroclor-1268 {4}			2259144				
Aroclor-1268 {5}			29144624				

GC Column (2nd): DB-1701P

Data File: Y5693.C Y5692.C Y5691.C Y5690.C Y5689.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			1362153				
Aroclor-1262 {2}			3461876				
Aroclor-1262 {3}			1183328				
Aroclor-1262 {4}			2333360				
Aroclor-1262 {5}			429177				
Aroclor-1268			3479624				
Aroclor-1268 {2}			3499079				
Aroclor-1268 {3}			2918320				
Aroclor-1268 {4}			824937				
Aroclor-1268 {5}			9305585				

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 WI NDOW FROM	TO
Aroclor-1262			8.62				7.72	7.72
Aroclor-1262 {2}			9.48				8.58	8.58
Aroclor-1262 {3}			10.11				9.21	9.21
Aroclor-1262 {4}			10.20				9.20	9.20
Aroclor-1262 {5}			11.02				10.02	10.02
Aroclor-1268			10.11				9.11	9.11
Aroclor-1268 {2}			10.19				9.09	9.09
Aroclor-1268 {3}			10.66				9.56	9.56
Aroclor-1268 {4}			10.79				9.69	9.69
Aroclor-1268 {5}			11.62				10.52	10.52

GC Column (2nd): DB-1701P

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

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

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 07/27/2012

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

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

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

GC Column (2nd): DB-1701P

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

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

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 07/24/2012 **Instrument ID:** GC-Y

Data File: Y7271.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	1781815	1460685	18.02
Aroclor-1016 {2}	4.11	4.04	4.18	2371736	2190783	7.63
Aroclor-1016 {3}	4.66	4.58	4.72	3125036	2723138	12.86
Aroclor-1016 {4}	5.17	5.09	5.23	1513071	1278828	15.48
Aroclor-1016 {5}	5.56	5.48	5.62	2595618	2181299	15.96
Aroclor-1260	8.33	7.42	9.22	7136339	5988895	16.08
Aroclor-1260 {2}	9.00	8.10	9.90	3358711	2822385	15.97
Aroclor-1260 {3}	9.48	8.57	10.37	8338627	6791092	18.56
Aroclor-1260 {4}	9.96	9.05	10.85	4218754	3679435	12.78
Aroclor-1260 {5}	11.02	10.11	11.91	1651625	1360599	17.62
					Average %D	15.10

Data File: Y7271.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.79	3.75	3.89	559998	568539	1.53
Aroclor-1016 {2}	4.39	4.35	4.49	1150027	1097400	4.58
Aroclor-1016 {3}	5.15	5.10	5.24	2577359	2526059	1.99
Aroclor-1016 {4}	5.36	5.31	5.45	1059949	1058539	0.13
Aroclor-1016 {5}	5.53	5.49	5.63	886286	832296	6.09
Aroclor-1260	7.89	7.03	8.83	912187	923174	1.20
Aroclor-1260 {2}	8.14	7.28	9.08	1363790	1341730	1.62
Aroclor-1260 {3}	9.73	8.88	10.68	1129299	1148934	1.74
Aroclor-1260 {4}	10.24	9.38	11.18	2316162	2484457	7.27
Aroclor-1260 {5}	10.83	9.97	11.77	1679657	1855622	10.48
					Average %D	3.66

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 07/24/2012 **Instrument ID:** GC-Y

Data File: Y7286.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	1781815	1502826	15.66
Aroclor-1016 {2}	4.11	4.04	4.18	2371736	1996750	15.81
Aroclor-1016 {3}	4.66	4.58	4.72	3125036	2808090	10.14
Aroclor-1016 {4}	5.17	5.09	5.23	1513071	1338633	11.53
Aroclor-1016 {5}	5.56	5.48	5.62	2595618	2272984	12.43
Aroclor-1260	8.33	7.42	9.22	7136339	6618502	7.26
Aroclor-1260 {2}	9.00	8.10	9.90	3358711	2880829	14.23
Aroclor-1260 {3}	9.48	8.57	10.37	8338627	7197511	13.68
Aroclor-1260 {4}	9.96	9.05	10.85	4218754	3637764	13.77
Aroclor-1260 {5}	11.02	10.11	11.91	1651625	1600467	3.10
					Average %D	11.76

Data File: Y7286.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.80	3.75	3.89	559998	565428	0.97
Aroclor-1016 {2}	4.39	4.35	4.49	1150027	1090816	5.15
Aroclor-1016 {3}	5.15	5.10	5.24	2577359	2519368	2.25
Aroclor-1016 {4}	5.36	5.31	5.45	1059949	1056920	0.29
Aroclor-1016 {5}	5.53	5.49	5.63	886286	833165	5.99
Aroclor-1260	7.89	7.03	8.83	912187	946082	3.72
Aroclor-1260 {2}	8.14	7.28	9.08	1363790	1378623	1.09
Aroclor-1260 {3}	9.74	8.88	10.68	1129299	1206119	6.80
Aroclor-1260 {4}	10.24	9.38	11.18	2316162	2595500	12.06
Aroclor-1260 {5}	10.83	9.97	11.77	1679657	1880373	11.95
					Average %D	5.03

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 07/25/2012 **Instrument ID:** GC-Y

Data File: Y7358.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	1781815	1526889	14.31
Aroclor-1016 {2}	4.11	4.04	4.18	2371736	2064725	12.94
Aroclor-1016 {3}	4.66	4.58	4.72	3125036	2878086	7.90
Aroclor-1016 {4}	5.17	5.09	5.23	1513071	1362389	9.96
Aroclor-1016 {5}	5.56	5.48	5.62	2595618	2317824	10.70
Aroclor-1260	8.33	7.42	9.22	7136339	6988441	2.07
Aroclor-1260 {2}	9.01	8.10	9.90	3358711	2906139	13.47
Aroclor-1260 {3}	9.48	8.57	10.37	8338627	8021323	3.81
Aroclor-1260 {4}	9.96	9.05	10.85	4218754	3982764	5.59
Aroclor-1260 {5}	11.02	10.11	11.91	1651625	1790623	8.42
					Average %D	8.92

Data File: Y7358.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.79	3.75	3.89	559998	555660	0.77
Aroclor-1016 {2}	4.39	4.35	4.49	1150027	1104126	3.99
Aroclor-1016 {3}	5.14	5.10	5.24	2577359	2567799	0.37
Aroclor-1016 {4}	5.35	5.31	5.45	1059949	1083035	2.18
Aroclor-1016 {5}	5.53	5.49	5.63	886286	847316	4.40
Aroclor-1260	7.89	7.03	8.83	912187	976322	7.03
Aroclor-1260 {2}	8.14	7.28	9.08	1363790	1429111	4.79
Aroclor-1260 {3}	9.73	8.88	10.68	1129299	1259981	11.57
Aroclor-1260 {4}	10.24	9.38	11.18	2316162	2630671	13.58
Aroclor-1260 {5}	10.83	9.97	11.77	1679657	1757938	4.66
					Average %D	5.33

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 07/25/2012 **Instrument ID:** GC-Y

Data File: Y7383.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	1781815	1510618	15.22
Aroclor-1016 {2}	4.11	4.04	4.18	2371736	2040053	13.98
Aroclor-1016 {3}	4.66	4.58	4.72	3125036	2840918	9.09
Aroclor-1016 {4}	5.17	5.09	5.23	1513071	1353946	10.52
Aroclor-1016 {5}	5.56	5.48	5.62	2595618	2287009	11.89
Aroclor-1260	8.33	7.42	9.22	7136339	6967409	2.37
Aroclor-1260 {2}	9.01	8.10	9.90	3358711	2899622	13.67
Aroclor-1260 {3}	9.48	8.57	10.37	8338627	8091050	2.97
Aroclor-1260 {4}	9.96	9.05	10.85	4218754	4079429	3.30
Aroclor-1260 {5}	11.02	10.11	11.91	1651625	1879589	13.80
					Average %D	9.68

Data File: Y7383.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.79	3.75	3.89	559998	543404	2.96
Aroclor-1016 {2}	4.39	4.35	4.49	1150027	1085725	5.59
Aroclor-1016 {3}	5.14	5.10	5.24	2577359	2526217	1.98
Aroclor-1016 {4}	5.35	5.31	5.45	1059949	1064680	0.45
Aroclor-1016 {5}	5.53	5.49	5.63	886286	832976	6.01
Aroclor-1260	7.89	7.03	8.83	912187	957654	4.98
Aroclor-1260 {2}	8.14	7.28	9.08	1363790	1401281	2.75
Aroclor-1260 {3}	9.73	8.88	10.68	1129299	1246142	10.35
Aroclor-1260 {4}	10.24	9.38	11.18	2316162	2585569	11.63
Aroclor-1260 {5}	10.83	9.97	11.77	1679657	1802184	7.29
					Average %D	5.40

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 07/25/2012 **Instrument ID:** GC-Y

Data File: Y7384.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	1781815	1515208	14.96
Aroclor-1016 {2}	4.11	4.04	4.18	2371736	2044496	13.80
Aroclor-1016 {3}	4.66	4.58	4.72	3125036	2840983	9.09
Aroclor-1016 {4}	5.17	5.09	5.23	1513071	1361598	10.01
Aroclor-1016 {5}	5.56	5.48	5.62	2595618	2293756	11.63
Aroclor-1260	8.33	7.42	9.22	7136339	6918941	3.05
Aroclor-1260 {2}	9.00	8.10	9.90	3358711	2857923	14.91
Aroclor-1260 {3}	9.48	8.57	10.37	8338627	7997574	4.09
Aroclor-1260 {4}	9.96	9.05	10.85	4218754	3971870	5.85
Aroclor-1260 {5}	11.02	10.11	11.91	1651625	1560234	5.53
					Average %D	9.29

Data File: Y7384.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.79	3.75	3.89	559998	545670	2.56
Aroclor-1016 {2}	4.39	4.35	4.49	1150027	1092240	5.02
Aroclor-1016 {3}	5.14	5.10	5.24	2577359	2525782	2.00
Aroclor-1016 {4}	5.35	5.31	5.45	1059949	1063730	0.36
Aroclor-1016 {5}	5.53	5.49	5.63	886286	831897	6.14
Aroclor-1260	7.89	7.03	8.83	912187	959854	5.23
Aroclor-1260 {2}	8.14	7.28	9.08	1363790	1404215	2.96
Aroclor-1260 {3}	9.73	8.88	10.68	1129299	1235320	9.39
Aroclor-1260 {4}	10.24	9.38	11.18	2316162	2697829	16.48
Aroclor-1260 {5}	10.83	9.97	11.77	1679657	1984289	18.14
					Average %D	6.83

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 07/25/2012 **Instrument ID:** GC-Y

Data File: Y7409.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	1781815	1563618	12.25
Aroclor-1016 {2}	4.11	4.04	4.18	2371736	2079276	12.33
Aroclor-1016 {3}	4.66	4.58	4.72	3125036	2900295	7.19
Aroclor-1016 {4}	5.17	5.09	5.23	1513071	1385171	8.45
Aroclor-1016 {5}	5.56	5.48	5.62	2595618	2333968	10.08
Aroclor-1260	8.33	7.42	9.22	7136339	6327204	11.34
Aroclor-1260 {2}	9.00	8.10	9.90	3358711	2855698	14.98
Aroclor-1260 {3}	9.48	8.57	10.37	8338627	6837343	18.00
Aroclor-1260 {4}	9.96	9.05	10.85	4218754	3558931	15.64
Aroclor-1260 {5}	11.02	10.11	11.91	1651625	1478014	10.51
					Average %D	12.08

Data File: Y7409.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.79	3.75	3.89	559998	567761	1.39
Aroclor-1016 {2}	4.39	4.35	4.49	1150027	1136388	1.19
Aroclor-1016 {3}	5.14	5.10	5.24	2577359	2629174	2.01
Aroclor-1016 {4}	5.35	5.31	5.45	1059949	1097619	3.55
Aroclor-1016 {5}	5.53	5.49	5.63	886286	861856	2.76
Aroclor-1260	7.89	7.03	8.83	912187	968232	6.14
Aroclor-1260 {2}	8.14	7.28	9.08	1363790	1406513	3.13
Aroclor-1260 {3}	9.73	8.88	10.68	1129299	1225275	8.50
Aroclor-1260 {4}	10.24	9.38	11.18	2316162	2689898	16.14
Aroclor-1260 {5}	10.83	9.97	11.77	1679657	1781569	6.07
					Average %D	5.09

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 07/25/2012 **Instrument ID:** GC-Y

Data File: Y7410.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	1781815	1613602	9.44
Aroclor-1016 {2}	4.11	4.04	4.18	2371736	2140606	9.75
Aroclor-1016 {3}	4.66	4.58	4.72	3125036	2978831	4.68
Aroclor-1016 {4}	5.17	5.09	5.23	1513071	1427884	5.63
Aroclor-1016 {5}	5.56	5.48	5.62	2595618	2406717	7.28
Aroclor-1260	8.33	7.42	9.22	7136339	6918197	3.06
Aroclor-1260 {2}	9.00	8.10	9.90	3358711	2927858	12.83
Aroclor-1260 {3}	9.48	8.57	10.37	8338627	7880097	5.50
Aroclor-1260 {4}	9.96	9.05	10.85	4218754	3935095	6.72
Aroclor-1260 {5}	11.02	10.11	11.91	1651625	1577550	4.48
					Average %D	6.94

Data File: Y7410.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.79	3.75	3.89	559998	582225	3.97
Aroclor-1016 {2}	4.39	4.35	4.49	1150027	1163253	1.15
Aroclor-1016 {3}	5.14	5.10	5.24	2577359	2675040	3.79
Aroclor-1016 {4}	5.35	5.31	5.45	1059949	1120294	5.69
Aroclor-1016 {5}	5.53	5.49	5.63	886286	879109	0.81
Aroclor-1260	7.89	7.03	8.83	912187	1001792	9.82
Aroclor-1260 {2}	8.14	7.28	9.08	1363790	1461707	7.18
Aroclor-1260 {3}	9.73	8.88	10.68	1129299	1154163	2.20
Aroclor-1260 {4}	10.24	9.38	11.18	2316162	2569324	10.93
Aroclor-1260 {5}	10.83	9.97	11.77	1679657	1762721	4.95
					Average %D	5.05

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 07/26/2012 **Instrument ID:** GC-Y

Data File: Y7423.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	1781815	1561541	12.36
Aroclor-1016 {2}	4.11	4.04	4.18	2371736	2038137	14.07
Aroclor-1016 {3}	4.66	4.58	4.72	3125036	2842497	9.04
Aroclor-1016 {4}	5.17	5.09	5.23	1513071	1337871	11.58
Aroclor-1016 {5}	5.56	5.48	5.62	2595618	2261382	12.88
Aroclor-1260	8.33	7.42	9.22	7136339	6094477	14.60
Aroclor-1260 {2}	9.00	8.10	9.90	3358711	2964222	11.75
Aroclor-1260 {3}	9.48	8.57	10.37	8338627	6872317	17.58
Aroclor-1260 {4}	9.96	9.05	10.85	4218754	3671028	12.98
Aroclor-1260 {5}	11.02	10.11	11.91	1651625	1560365	5.53
					Average %D	12.24

Data File: Y7423.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.79	3.75	3.89	559998	551281	1.56
Aroclor-1016 {2}	4.39	4.35	4.49	1150027	1119217	2.68
Aroclor-1016 {3}	5.14	5.10	5.24	2577359	2590668	0.52
Aroclor-1016 {4}	5.35	5.31	5.45	1059949	1069245	0.88
Aroclor-1016 {5}	5.53	5.49	5.63	886286	844415	4.72
Aroclor-1260	7.89	7.03	8.83	912187	916156	0.44
Aroclor-1260 {2}	8.14	7.28	9.08	1363790	1325583	2.80
Aroclor-1260 {3}	9.73	8.88	10.68	1129299	1153884	2.18
Aroclor-1260 {4}	10.24	9.38	11.18	2316162	2519752	8.79
Aroclor-1260 {5}	10.83	9.97	11.77	1679657	1975399	17.61
					Average %D	4.22

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 07/27/2012 **Instrument ID:** GC-Y

Data File: Y7483.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	1689148	2.81
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2304210	1.31
Aroclor-1016 {3}	4.66	4.59	4.73	3100344	3174840	2.40
Aroclor-1016 {4}	5.17	5.10	5.24	1496150	1530885	2.32
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2555210	2.79
Aroclor-1260	8.33	7.43	9.23	7263492	7729278	6.41
Aroclor-1260 {2}	9.00	8.11	9.91	3168969	3270107	3.19
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	8840812	7.13
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	4330311	4.78
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1913476	13.69
					Average %D	4.68

Data File: Y7483.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	618696	3.42
Aroclor-1016 {2}	4.39	4.32	4.46	1272837	1222331	3.97
Aroclor-1016 {3}	5.14	5.07	5.21	2901089	2821888	2.73
Aroclor-1016 {4}	5.35	5.28	5.42	1246404	1200554	3.68
Aroclor-1016 {5}	5.52	5.45	5.59	971379	938120	3.42
Aroclor-1260	7.89	6.99	8.79	1075405	1070639	0.44
Aroclor-1260 {2}	8.14	7.24	9.04	1584623	1572172	0.79
Aroclor-1260 {3}	9.73	8.83	10.63	1324822	1379007	4.09
Aroclor-1260 {4}	10.24	9.34	11.14	2885884	3012461	4.39
Aroclor-1260 {5}	10.83	9.93	11.73	2032527	2194067	7.95
					Average %D	3.49

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 07/27/2012 **Instrument ID:** GC-Y

Data File: Y7493.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	1709103	4.03
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2323551	2.16
Aroclor-1016 {3}	4.66	4.59	4.73	3100344	3190095	2.89
Aroclor-1016 {4}	5.17	5.10	5.24	1496150	1541652	3.04
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2559939	2.98
Aroclor-1260	8.33	7.43	9.23	7263492	7722492	6.32
Aroclor-1260 {2}	9.00	8.11	9.91	3168969	3337588	5.32
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	8888076	7.70
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	4423634	7.04
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1724098	2.44
					Average %D	4.39

Data File: Y7493.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	619161	3.35
Aroclor-1016 {2}	4.39	4.32	4.46	1272837	1226841	3.61
Aroclor-1016 {3}	5.14	5.07	5.21	2901089	2833531	2.33
Aroclor-1016 {4}	5.35	5.28	5.42	1246404	1202333	3.54
Aroclor-1016 {5}	5.53	5.45	5.59	971379	936988	3.54
Aroclor-1260	7.89	6.99	8.79	1075405	1061695	1.27
Aroclor-1260 {2}	8.14	7.24	9.04	1584623	1547535	2.34
Aroclor-1260 {3}	9.73	8.83	10.63	1324822	1353476	2.16
Aroclor-1260 {4}	10.24	9.34	11.14	2885884	2931291	1.57
Aroclor-1260 {5}	10.83	9.93	11.73	2032527	2079954	2.33
					Average %D	2.60

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 07/28/2012 **Instrument ID:** GC-Y

Data File: Y7555.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	1888010	14.92
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2536204	11.51
Aroclor-1016 {3}	4.66	4.59	4.73	3100344	3553779	14.63
Aroclor-1016 {4}	5.17	5.10	5.24	1496150	1688848	12.88
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2854000	14.81
Aroclor-1260	8.33	7.43	9.23	7263492	8537139	17.53
Aroclor-1260 {2}	9.00	8.11	9.91	3168969	3438403	8.50
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	9660865	17.06
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	4651981	12.56
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1884812	11.99
					Average %D	13.64

Data File: Y7555.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	693467	8.25
Aroclor-1016 {2}	4.39	4.32	4.46	1272837	1370292	7.66
Aroclor-1016 {3}	5.14	5.07	5.21	2901089	3171548	9.32
Aroclor-1016 {4}	5.35	5.28	5.42	1246404	1334586	7.07
Aroclor-1016 {5}	5.52	5.45	5.59	971379	1048883	7.98
Aroclor-1260	7.88	6.99	8.79	1075405	1189542	10.61
Aroclor-1260 {2}	8.14	7.24	9.04	1584623	1740011	9.81
Aroclor-1260 {3}	9.73	8.83	10.63	1324822	1519990	14.73
Aroclor-1260 {4}	10.23	9.34	11.14	2885884	3273105	13.42
Aroclor-1260 {5}	10.82	9.93	11.73	2032527	2324400	14.36
					Average %D	10.32

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 07/28/2012 **Instrument ID:** GC-Y

Data File: Y7580.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	1867144	13.65
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2539943	11.67
Aroclor-1016 {3}	4.66	4.59	4.73	3100344	3489036	12.54
Aroclor-1016 {4}	5.17	5.10	5.24	1496150	1694344	13.25
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2792655	12.34
Aroclor-1260	8.33	7.43	9.23	7263492	8306470	14.36
Aroclor-1260 {2}	9.01	8.11	9.91	3168969	3514968	10.92
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	9386339	13.74
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	4567897	10.53
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1833282	8.93
					Average %D	12.19

Data File: Y7580.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	682030	6.47
Aroclor-1016 {2}	4.39	4.32	4.46	1272837	1346266	5.77
Aroclor-1016 {3}	5.14	5.07	5.21	2901089	3118661	7.50
Aroclor-1016 {4}	5.35	5.28	5.42	1246404	1322426	6.10
Aroclor-1016 {5}	5.52	5.45	5.59	971379	1033609	6.41
Aroclor-1260	7.88	6.99	8.79	1075405	1169955	8.79
Aroclor-1260 {2}	8.14	7.24	9.04	1584623	1712011	8.04
Aroclor-1260 {3}	9.73	8.83	10.63	1324822	1484430	12.05
Aroclor-1260 {4}	10.23	9.34	11.14	2885884	3209781	11.22
Aroclor-1260 {5}	10.82	9.93	11.73	2032527	2318288	14.06
					Average %D	8.64

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 07/29/2012 **Instrument ID:** GC-Y

Data File: Y7581.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	1802422	9.71
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2449300	7.69
Aroclor-1016 {3}	4.66	4.59	4.73	3100344	3336284	7.61
Aroclor-1016 {4}	5.16	5.10	5.24	1496150	1697908	13.49
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2629485	5.78
Aroclor-1260	8.33	7.43	9.23	7263492	7495941	3.20
Aroclor-1260 {2}	9.00	8.11	9.91	3168969	3089332	2.51
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	8033127	2.66
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	3654261	11.58
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1495323	11.15
					Average %D	7.54

Data File: Y7581.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.80	3.72	3.86	640595	610600	4.68
Aroclor-1016 {2}	4.40	4.32	4.46	1272837	1187193	6.73
Aroclor-1016 {3}	5.15	5.07	5.21	2901089	2736054	5.69
Aroclor-1016 {4}	5.36	5.28	5.42	1246404	1157184	7.16
Aroclor-1016 {5}	5.53	5.45	5.59	971379	904255	6.91
Aroclor-1260	7.89	6.99	8.79	1075405	981829	8.70
Aroclor-1260 {2}	8.15	7.24	9.04	1584623	1369160	13.60
Aroclor-1260 {3}	9.74	8.83	10.63	1324822	1222613	7.71
Aroclor-1260 {4}	10.24	9.34	11.14	2885884	2551204	11.60
Aroclor-1260 {5}	10.83	9.93	11.73	2032527	1791854	11.84
					Average %D	8.46

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 07/29/2012 **Instrument ID:** GC-Y

Data File: Y7590.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	1707247	3.92
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2303360	1.27
Aroclor-1016 {3}	4.66	4.59	4.73	3100344	3176246	2.45
Aroclor-1016 {4}	5.17	5.10	5.24	1496150	1525304	1.95
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2517717	1.28
Aroclor-1260	8.34	7.43	9.23	7263492	7298178	0.48
Aroclor-1260 {2}	9.01	8.11	9.91	3168969	3194009	0.79
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	8067191	2.25
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	4036565	2.33
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1879729	11.69
					Average %D	2.84

Data File: Y7590.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	587126	8.35
Aroclor-1016 {2}	4.39	4.32	4.46	1272837	1159612	8.90
Aroclor-1016 {3}	5.14	5.07	5.21	2901089	2677307	7.71
Aroclor-1016 {4}	5.35	5.28	5.42	1246404	1136394	8.83
Aroclor-1016 {5}	5.52	5.45	5.59	971379	884557	8.94
Aroclor-1260	7.89	6.99	8.79	1075405	1002971	6.74
Aroclor-1260 {2}	8.14	7.24	9.04	1584623	1465974	7.49
Aroclor-1260 {3}	9.73	8.83	10.63	1324822	1273373	3.88
Aroclor-1260 {4}	10.23	9.34	11.14	2885884	2746510	4.83
Aroclor-1260 {5}	10.82	9.93	11.73	2032527	2051202	0.92
					Average %D	6.66

PCB RETENTION TIME SHIFT SUMMARY

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

Surrogate RT from initial calibration :

TCMX 1	2.83	DCB 1	12.10	TCMX 2	2.92	DCB 2	12.51

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKA120719-17	07/24/2012	04:30	2.83		12.10		2.92		12.51	
FB-11	06968-052	07/24/2012	04:48	2.82		12.10		2.92		12.51	
TRE-V12-18	07090-001	07/24/2012	05:05	2.84		12.11		2.94		12.51	
TRE-V12-18	07090-002	07/24/2012	05:22	2.84		12.11		2.93		12.52	
FB-12	07021-041	07/24/2012	05:39	2.83		12.11		2.92		12.51	
MW-2R	07047-001	07/24/2012	05:56	2.83		12.10		2.92		12.51	
MW-3	07047-002	07/24/2012	06:13	2.83		12.11		2.92		12.51	
FB	07047-004	07/24/2012	06:48	2.82		12.10		2.92		12.51	
FB-14	07117-058	07/24/2012	07:05	2.83		12.10		2.93		12.51	
FB-13	07070-059	07/24/2012	07:22	2.82		12.10		2.92		12.51	
PCB	07047-001MS	07/24/2012	07:39	2.83		12.10		2.92		12.51	
PCB	07047-001MSD	07/24/2012	07:57	2.83		12.11		2.92		12.51	
PCB	LCSA120719-17	07/24/2012	08:14	2.82		12.10		2.91		12.51	
MW-15	07047-003	07/25/2012	04:43	2.82		12.11		2.91		12.51	

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** 12.10 **TCMX 2** 2.91 **DCB 2** 12.51

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS120723-10	07/25/2012	14:27	2.82		12.10		2.91		12.51	
R-19_(4.0-	07021-018	07/25/2012	14:45	2.82		12.11		2.91		12.51	
Q-19_(0-2.	07021-019	07/25/2012	15:02	2.82		12.10		2.91		12.51	
Q-19_(2.0-	07021-020	07/25/2012	15:19	2.82		12.10		2.91		12.51	
Q-19_(4.0-	07021-021	07/25/2012	15:36	2.82		12.11		2.91		12.51	
T-27_(0-2.	07021-022	07/25/2012	15:53	2.82		12.11		2.92		12.51	
T-27_(2.0-	07021-023	07/25/2012	16:11	2.82		12.10		2.91		12.51	
T-27_(4.0-	07021-024	07/25/2012	16:28	2.82		12.11		2.91		12.51	
T-28_(0-2.	07021-025	07/25/2012	16:45	2.82		12.10		2.91		12.51	
T-28_(2.0-	07021-026	07/25/2012	17:02	2.82		12.11		2.91		12.51	
T-28_(4.0-	07021-027	07/25/2012	17:19	2.82		12.11		2.91		12.51	
U-27_(2.0-	07021-029	07/25/2012	18:42	2.81		12.11		2.92		12.52	
U-27_(4.0-	07021-030	07/25/2012	18:59	2.82		12.11		2.91		12.51	
U-28_(0-2.	07021-031	07/25/2012	19:16	2.82		12.10		2.91		12.51	
U-28_(2.0-	07021-032	07/25/2012	19:33	2.82		12.10		2.91		12.51	
U-28_(4.0-	07021-033	07/25/2012	19:50	2.82		12.10		2.91		12.51	
T-30_(2.0-	07021-035	07/25/2012	20:25	2.82		12.11		2.92		12.51	
T-30_(4.0-	07021-036	07/25/2012	20:42	2.82		12.11		2.91		12.51	
PCB	07021-031MS	07/25/2012	21:16	2.82		12.10		2.91		12.51	
PCB	07021-031MSD	07/25/2012	21:34	2.82		12.10		2.91		12.51	
PCB	LCSS120723-10	07/25/2012	21:51	2.82		12.11		2.91		12.51	

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** 12.51

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS120723-10	07/27/2012	17:01	2.82		12.11		2.91		12.51	
U-27_(0-2.	07021-028	07/27/2012	17:18	D		D		D		D	
T-30_(0-2.	07021-034	07/27/2012	17:36	2.82		12.11		2.91		12.50	
U-29_(0-2.	07021-037	07/27/2012	18:13	D		D		D		D	
PCB	LCSS120723-10	07/27/2012	18:30	2.82		12.11		2.91		12.51	

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** 12.51

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS120723-11	07/25/2012	07:00	2.82		12.11		2.91		12.51	
U-29_(4.5-	07021-040	07/25/2012	07:52	2.82		12.10		2.91		12.51	
CS-3-15K	07288-001	07/25/2012	08:09	2.82		12.10		2.91		12.51	
CS-3-15M	07288-003	07/25/2012	08:26	2.82		12.10		2.91		12.51	
GPECWC0717	07194-001	07/25/2012	08:43	2.82		12.11		2.92		12.51	
T-42_(0-2.	07070-001	07/25/2012	09:00	2.82		12.11		2.91		12.50	
T-42_(3.0-	07070-003	07/25/2012	09:35	2.82		12.10		2.91		12.51	
T-42_(4.0-	07070-004	07/25/2012	09:52	D		D		D		D	
T-42_(6.0-	07070-005	07/25/2012	10:09	2.82		12.10		2.91		12.51	
S-43_(0-2.	07070-006	07/25/2012	10:26	2.82		12.10		2.91		12.51	
S-43_(8.0-	07070-010	07/25/2012	11:35	2.82		12.10		2.91		12.51	
R-44_(2.0-	07070-012	07/25/2012	12:10	2.82		12.10		2.91		12.51	
R-44_(4.0-	07070-013	07/25/2012	12:27	2.82		12.11		2.91		12.51	
R-46_(0-2.	07070-014	07/25/2012	12:44	2.82		12.10		2.91		12.51	
PCB	07194-001MS	07/25/2012	13:01	2.82		12.11		2.92		12.51	
PCB	07194-001MSD	07/25/2012	13:19	2.82		12.10		2.92		12.51	
PCB	LCSS120723-11	07/25/2012	13:36	2.82		12.11		2.91		12.51	
U-29_(2.0-	07021-038	07/26/2012	00:26	2.82		12.08		2.91		12.51	
U-29_(4.0-	07021-039	07/26/2012	00:43	2.82		12.11		2.92		12.52	
T-42_(2.0-	07070-002	07/26/2012	01:00	D		D		D		D	
S-43_(2.0-	07070-007	07/26/2012	01:17	2.82		12.11		2.91		12.51	
S-43_(4.0-	07070-008	07/26/2012	01:35	2.82		12.11		2.91		12.51	
S-43_(6.0-	07070-009	07/26/2012	01:52	2.82		12.11		2.91		12.51	
R-44_(0-2.	07070-011	07/26/2012	02:09	2.82		12.11		2.91		12.51	

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** 12.10 **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	BLKS120723-08	07/28/2012	13:43	2.82		12.10		2.91		12.50	
R-20_(0-2.	07021-001	07/28/2012	14:52	D		D		D		D	
R-20_(2.0-	07021-002	07/28/2012	15:09	2.82		12.10		2.91		12.50	
R-20_(4.0-	07021-003	07/28/2012	15:26	2.82		12.11		2.91		12.50	
S-20_(0-2.	07021-004	07/28/2012	15:44	2.82		12.10		2.91		12.50	
S-20_(2.0-	07021-005	07/28/2012	16:01	2.82		12.10		2.91		12.50	
S-20_(4.0-	07021-006	07/28/2012	16:18	2.82		12.11		2.91		12.50	
T-20_(0-2.	07021-007	07/28/2012	16:35	2.82		12.10		2.91		12.50	
T-20_(2.0-	07021-008	07/28/2012	16:52	2.82		12.10		2.91		12.50	
T-20_(4.0-	07021-009	07/28/2012	17:10	2.82		12.10		2.91		12.50	
U-20_(0-2.	07021-010	07/28/2012	17:27	2.82		12.10		2.91		12.50	
U-20_(2.0-	07021-011	07/28/2012	17:44	2.82		12.10		2.91		12.50	
U-20_(4.0-	07021-012	07/28/2012	18:01	2.82		12.11		2.91		12.50	
S-19_(0-2.	07021-013	07/28/2012	18:18	2.82		12.11		2.91		12.50	
S-19_(2.0-	07021-014	07/28/2012	18:36	2.82		12.11		2.91		12.50	
S-19_(4.0-	07021-015	07/28/2012	18:53	2.82		12.11		2.91		12.50	
R-19_(0-2.	07021-016	07/28/2012	19:10	2.82		12.10		2.91		12.50	
R-19_(2.0-	07021-017	07/28/2012	19:27	2.82		12.10		2.91		12.50	
PCB	07021-011MS	07/28/2012	19:45	2.82		12.10		2.91		12.50	
PCB	07021-011MSD	07/28/2012	20:02	2.82		12.10		2.91		12.50	
PCB	LCSS120723-08	07/28/2012	20:19	2.82		12.10		2.91		12.50	
SS-17	06986-017	07/29/2012	15:31	2.82		12.10		2.91		12.50	
SS-18	06986-018	07/29/2012	15:48	2.82		12.11		2.91		12.50	
SS-19	06986-019	07/29/2012	16:05	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 SAMPLE DATA

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7560.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 14:52
Operator : YG
Sample : R-20_(0-2.,07021-001,S,5.62g,27.4,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,100
ALS Vial : 74 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:02:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	4.52	5.14	358.4E6	147.5E6	81.288	92.559
24) L6 Aroclor-1248 {2}	5.05	5.73	237.5E6	287.3E6	97.977	122.621 #
25) L6 Aroclor-1248 {3}	5.37	6.12	288.5E6	183.9E6	94.023	108.597
26) L6 Aroclor-1248 {4}	6.06	6.28	612.5E6	155.9E6	109.911	107.278
27) L6 Aroclor-1248 {5}	6.34	6.63	421.7E6	91204277	101.232	108.624
Sum Aroclor-1248			1918.6E6	865.9E6	484.432	539.679
Average Aroclor-1248					96.886	107.936
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

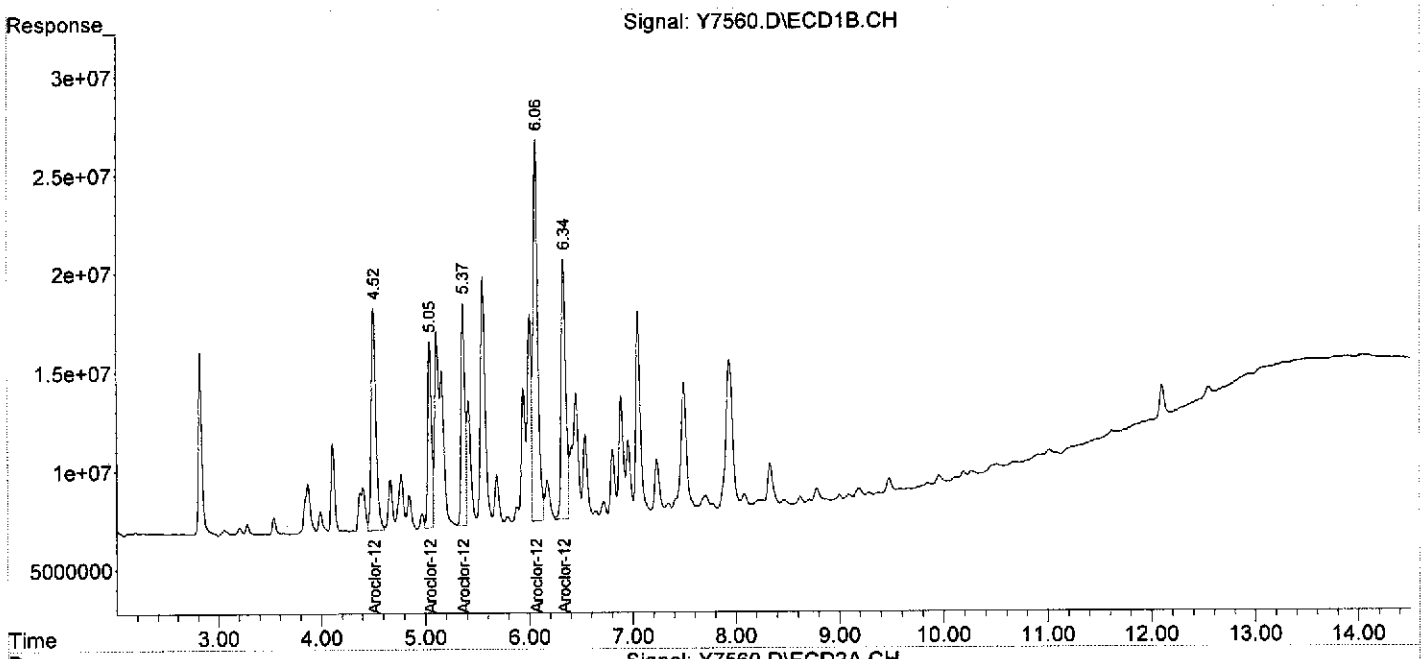
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

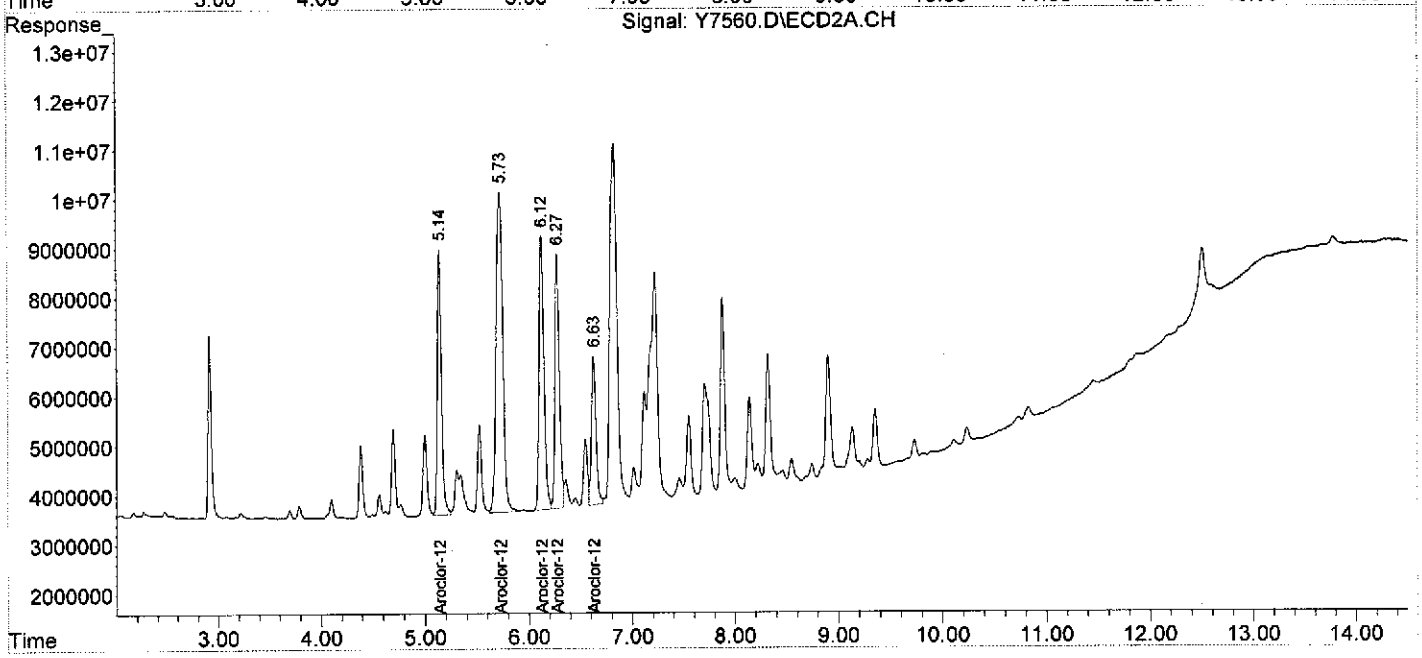
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7560.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 14:52
Operator : YG
Sample : R-20_(0-2.,07021-001,S,5.62g,27.4,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,100
ALS Vial : 74 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:02:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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 : Y7561.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 15:09
Operator : YG
Sample : R-20_(2.0-,07021-002,S,5.66g,51.3,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 75 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:04:15 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	22575.3E6	8134.4E6	237.458	232.726
Spiked Amount 200.000			Recovery	=	118.73%	116.36%
2) S DCB	12.10	12.50	5173.3E6	2211.3E6	251.033	257.324
Spiked Amount 200.000			Recovery	=	125.52%	128.66%
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
23) L6 Aroclor-1248	4.51	5.14	930.0E6	336.2E6	210.926	210.927
24) L6 Aroclor-1248 {2}	5.05	5.72	667.1E6	778.8E6	275.225	332.446
25) L6 Aroclor-1248 {3}	5.37	6.12	597.6E6	385.5E6	194.769	227.615
26) L6 Aroclor-1248 {4}	6.06	6.27	1068.8E6	308.5E6	191.781	212.205
27) L6 Aroclor-1248 {5}	6.34	6.63	679.9E6	102.9E6	163.210	122.568
Sum Aroclor-1248			3943.4E6	1911.9E6	1035.911	1105.762
Average Aroclor-1248					207.182	221.152
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

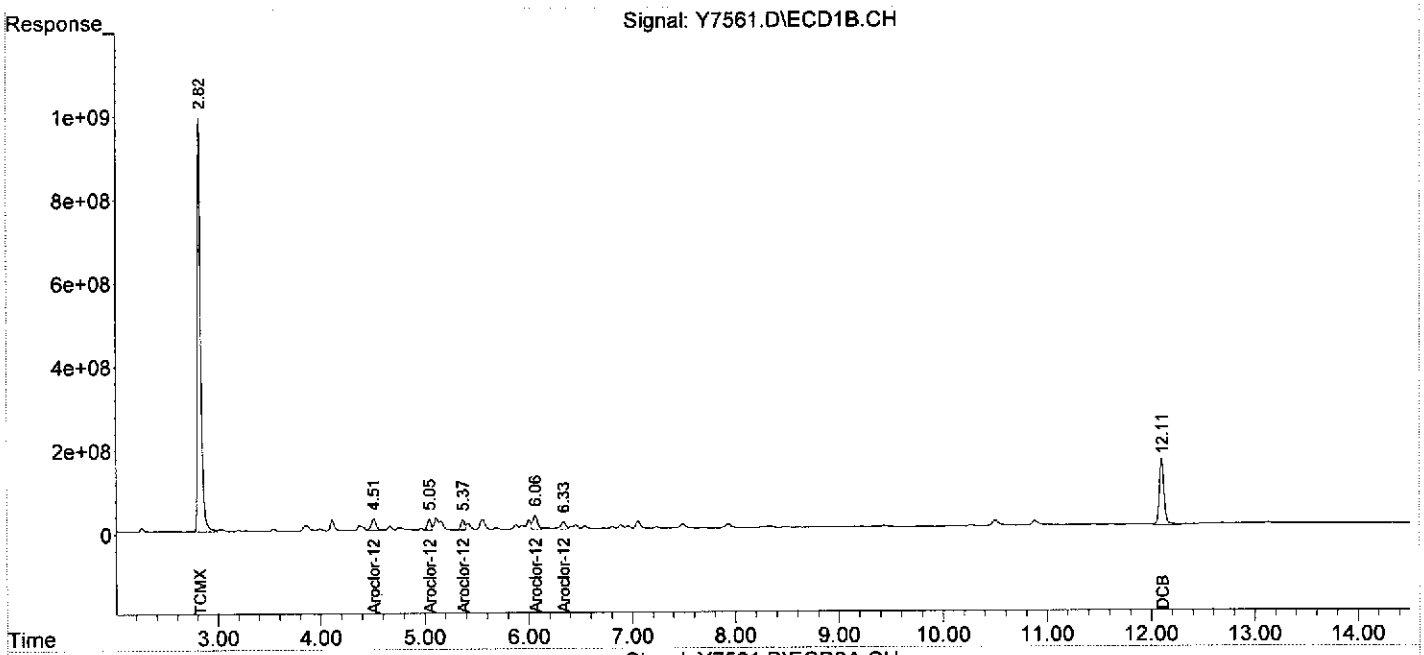
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

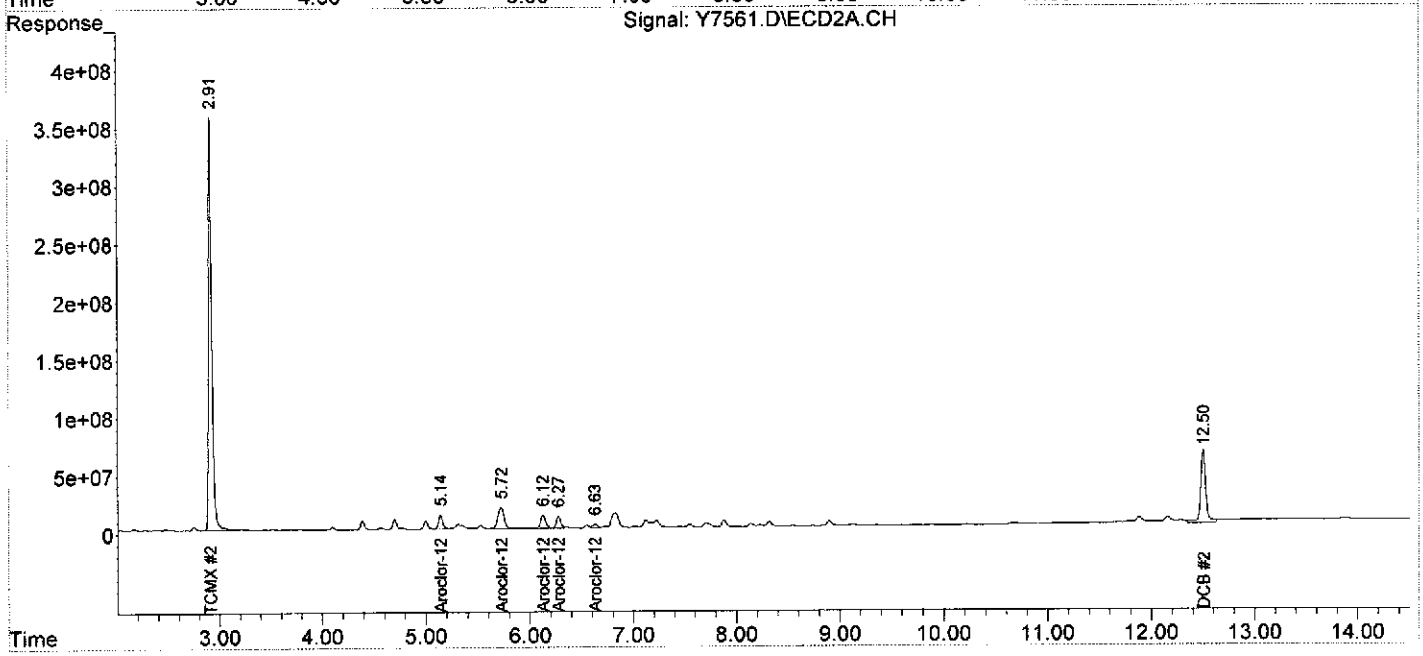
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7561.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 15:09
Operator : YG
Sample : R-20_(2.0-,07021-002,S,5.66g,51.3,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 75 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:04:15 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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 : Y7562.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 15:26
Operator : YG
Sample : R-20_(4.0-,07021-003,S,5.62g,20.7,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 76 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:04:43 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	21700.3E6	7650.9E6	228.254	218.894
Spiked Amount 200.000			Recovery	=	114.13%	109.45%
2) S DCB	12.11	12.50	3210.6E6	2160.2E6	155.791	251.376 #
Spiked Amount 200.000			Recovery	=	77.90%	125.69%
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

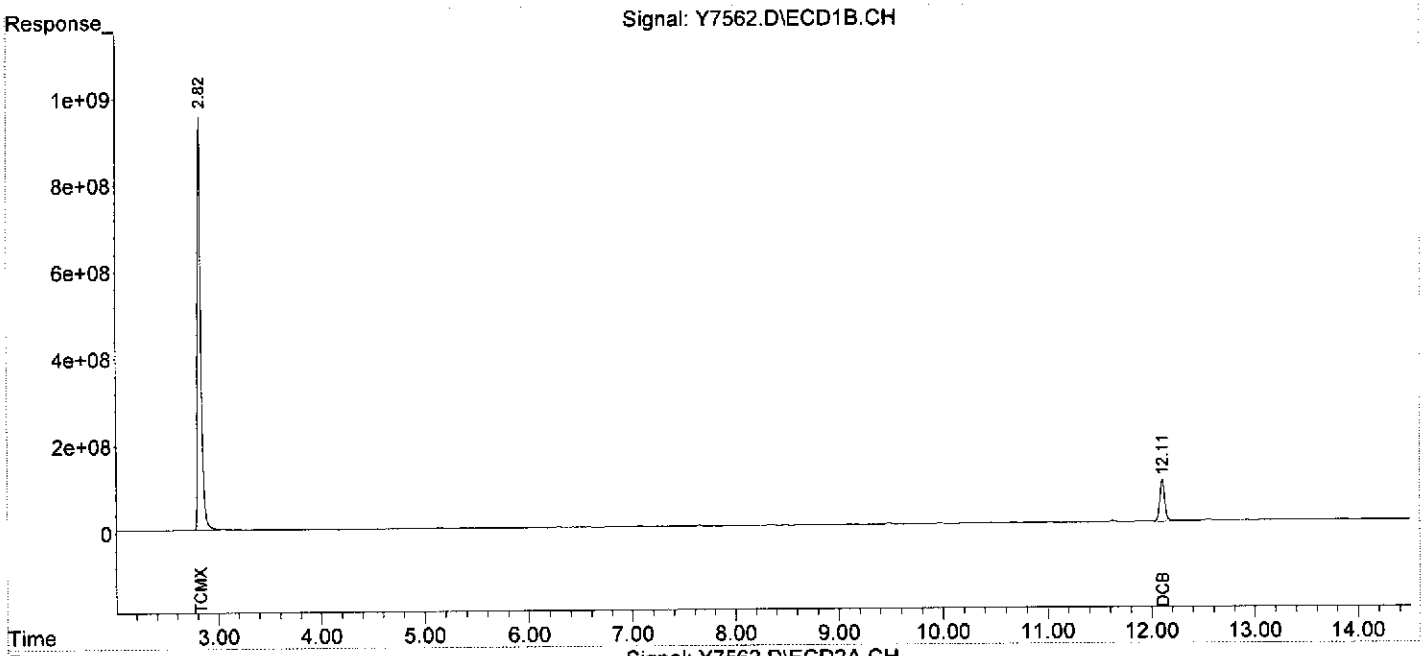
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

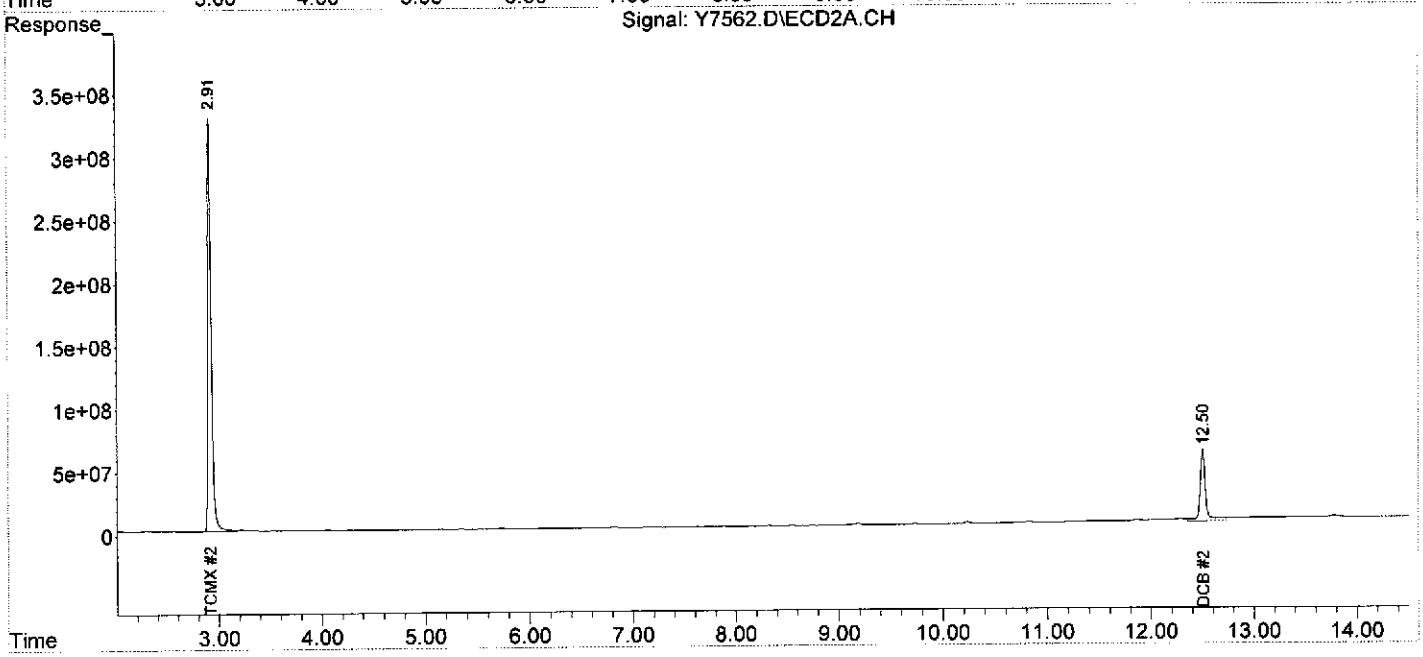
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7562.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 15:26
Operator : YG
Sample : R-20_(4.0-,07021-003,S,5.62g,20.7,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 76 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:04:43 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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 : Y7563.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 15:44
Operator : YG
Sample : S-20_(0-2.,07021-004,S,5.71g,19.4,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 77 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:05:25 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	17626.5E6	7555.6E6	185.405	216.167
Spiked Amount 200.000			Recovery =		92.70%	108.08%
2) S DCB	12.10	12.50	4038.4E6	1615.8E6	195.961	188.031m
Spiked Amount 200.000			Recovery =		97.98%	94.02%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.14	670.4E6	281.0E6	152.055	176.280
24) L6 Aroclor-1248 {2}	5.05	5.72	436.2E6	543.2E6	179.986	231.860 #
25) L6 Aroclor-1248 {3}	5.37	6.12	872.1E6	378.6E6	284.216	223.497
26) L6 Aroclor-1248 {4}	6.06	6.28	1249.4E6	315.9E6	224.186	217.321
27) L6 Aroclor-1248 {5}	6.33	6.63	1532.4E6	200.2E6	367.868	238.451 #
Sum Aroclor-1248			4760.6E6	1718.8E6	1208.311	1087.410
Average Aroclor-1248					241.662	217.482
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

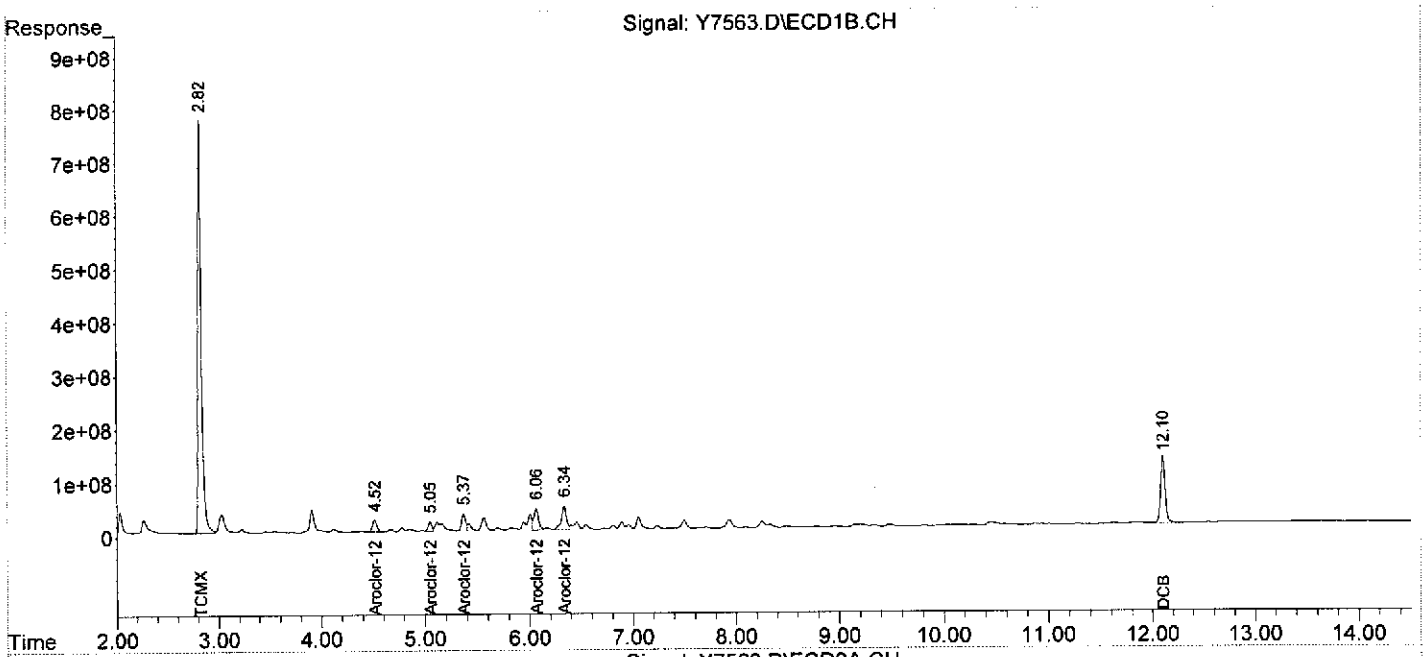
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

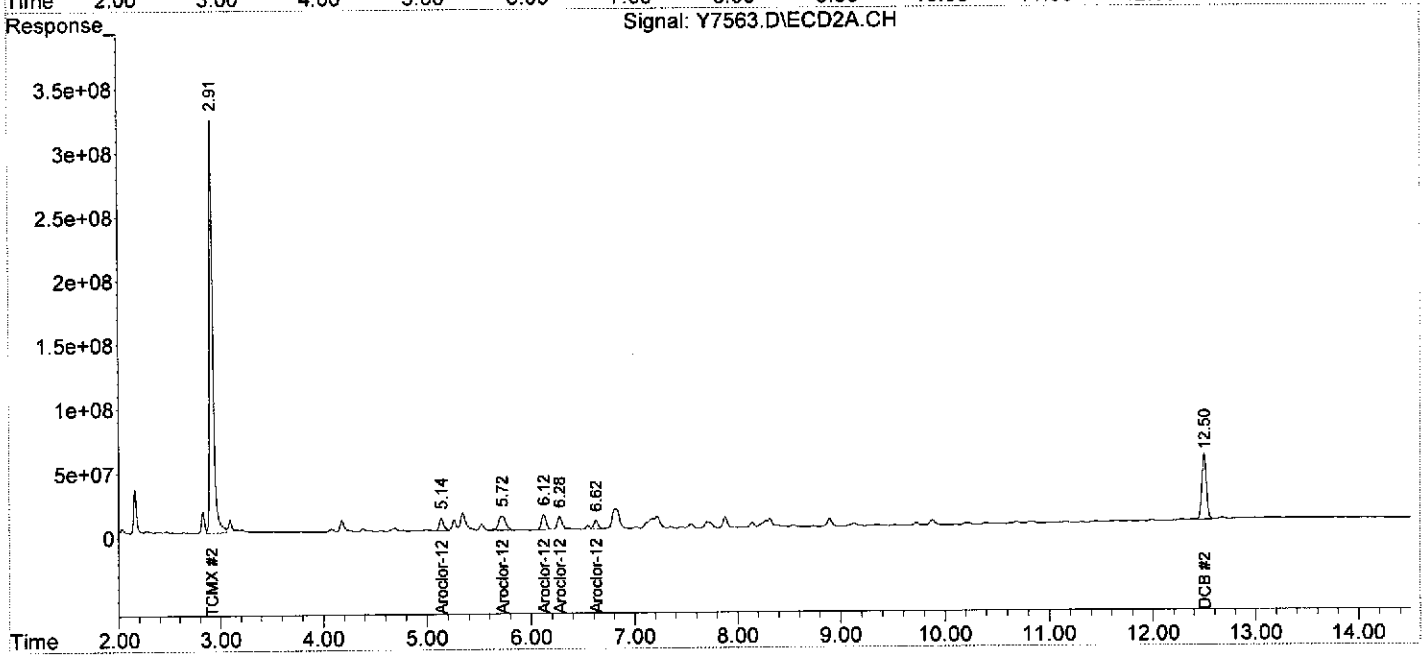
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7563.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 15:44
Operator : YG
Sample : S-20_(0-2.,07021-004,S,5.71g,19.4,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 77 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:05:25 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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 : Y7564.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 16:01
Operator : YG
Sample : S-20_(2.0-,07021-005,S,5.54g,45.1,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 78 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:05:55 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	23293.6E6	8223.6E6	245.014	235.278
Spiked Amount 200.000			Recovery	=	122.51%	117.64%
2) S DCB	12.10	12.50	4172.5E6	1835.5E6	202.469	213.593
Spiked Amount 200.000			Recovery	=	101.23%	106.80%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

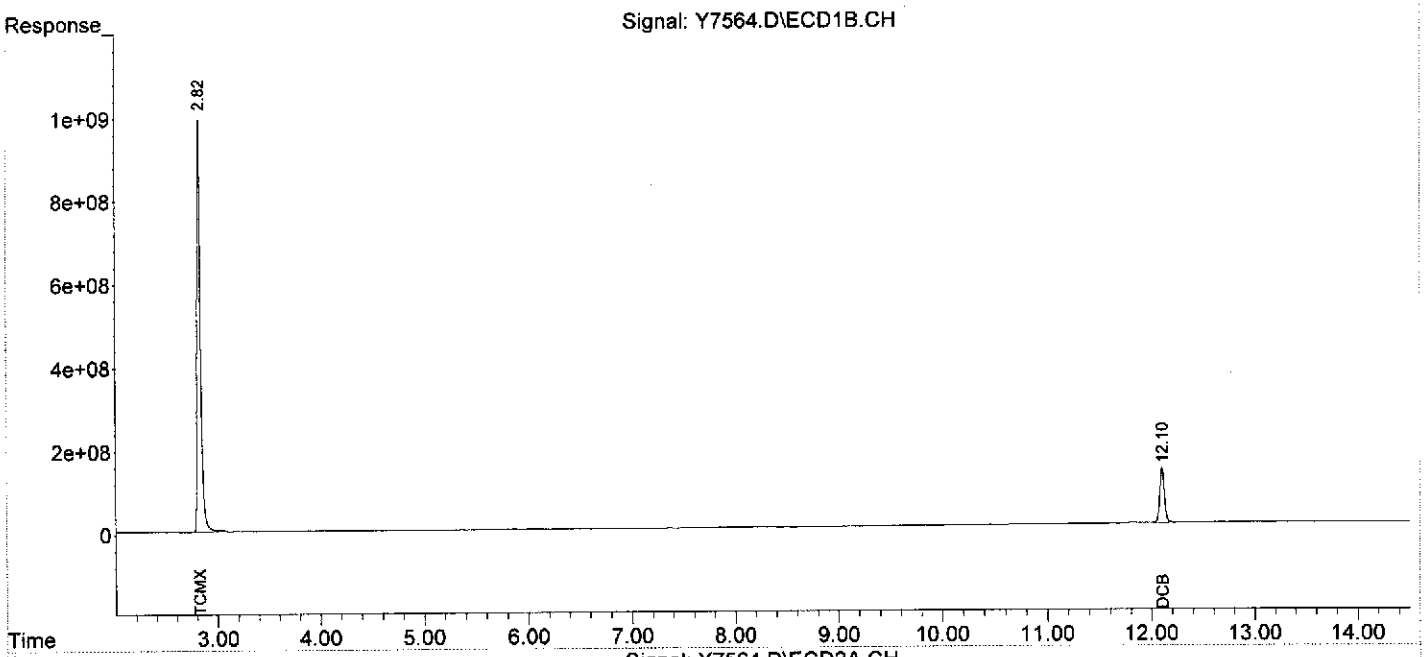
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

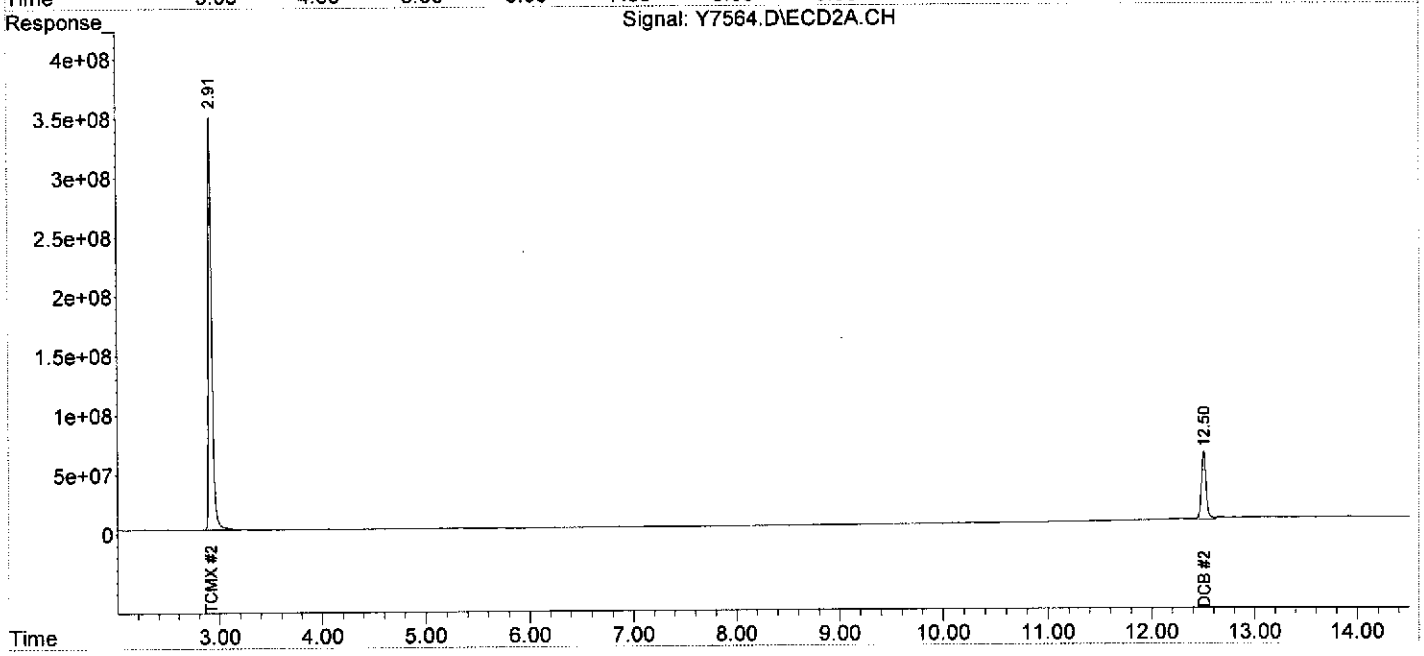
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7564.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 16:01
Operator : YG
Sample : S-20_(2.0-,07021-005,S,5.54g,45.1,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 78 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:05:55 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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 : Y7565.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 16:18
Operator : YG
Sample : S-20_(4.0-,07021-006,S,5.86g,18.3,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 79 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:06:15 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	21475.7E6	7507.1E6	225.891	214.779
Spiked Amount 200.000			Recovery	=	112.95%	107.39%
2) S DCB	12.11	12.50	4052.1E6	1897.4E6	196.625	220.798
Spiked Amount 200.000			Recovery	=	98.31%	110.40%
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

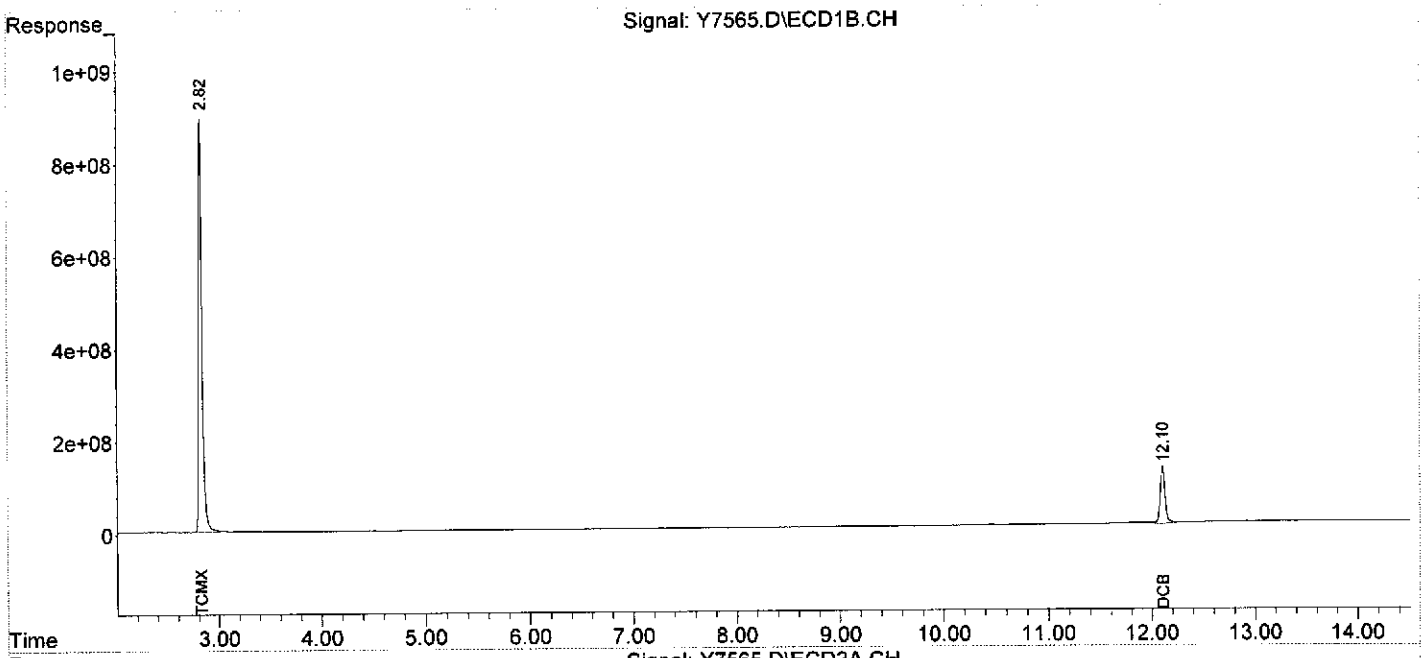
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

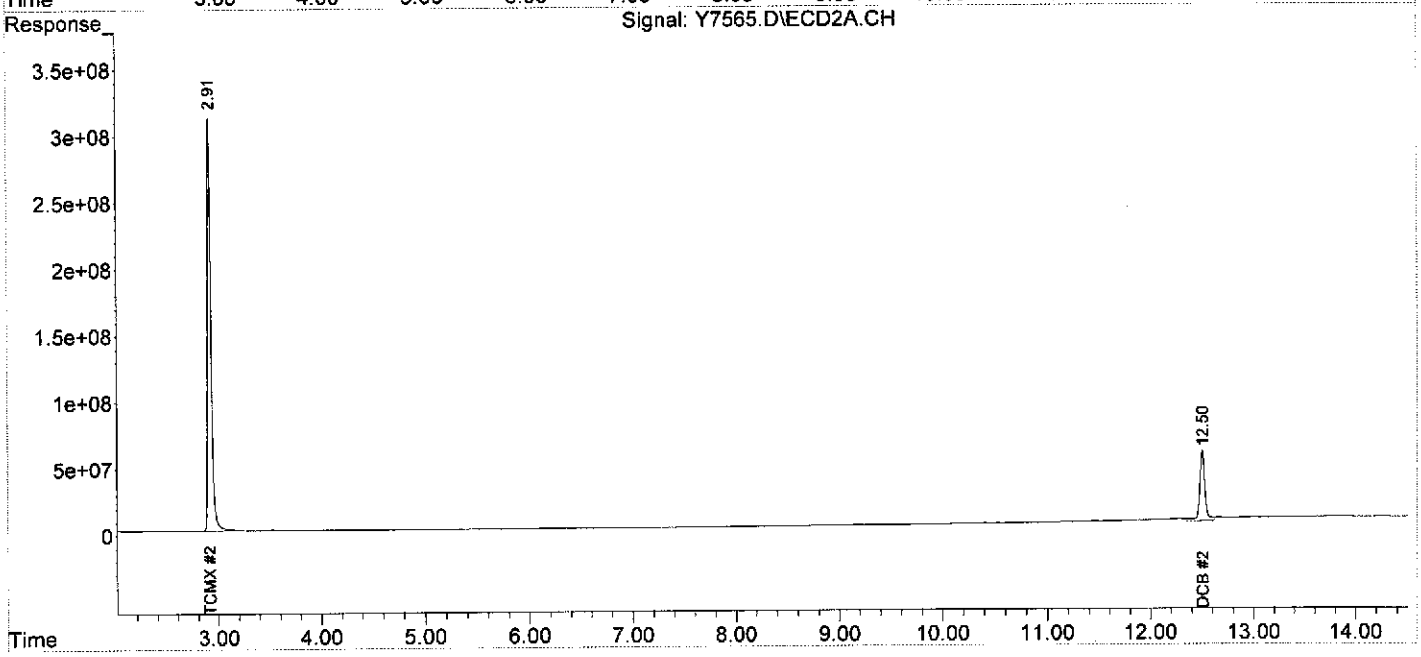
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7565.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 16:18
Operator : YG
Sample : S-20_(4.0-,07021-006,S,5.86g,18.3,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 79 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:06:15 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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 : Y7566.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 16:35
Operator : YG
Sample : T-20_(0-2.,07021-007,S,5.23g,12.9,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,10
ALS Vial : 80 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:08:02 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	2167.2E6	833.3E6	22.796	23.840
Spiked Amount 200.000			Recovery =		11.40%	11.92%
2) S DCB	12.10	12.50	453.3E6	202.2E6	21.997m	23.534m
Spiked Amount 200.000			Recovery =		11.00%	11.77%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.14	598.0E6	214.4E6	135.631	134.521
24) L6 Aroclor-1248 {2}	5.05	5.72	565.9E6	596.4E6	233.485	254.593
25) L6 Aroclor-1248 {3}	5.37	6.13	970.1E6	507.6E6	316.158	299.693
26) L6 Aroclor-1248 {4}	6.06	6.28	1689.4E6	343.4E6	303.140	236.265
27) L6 Aroclor-1248 {5}	6.31	6.63	1313.8E6	210.4E6	315.399m	250.611
Sum Aroclor-1248			5137.3E6	1872.3E6	1303.811	1175.683
Average Aroclor-1248					260.762	235.137
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

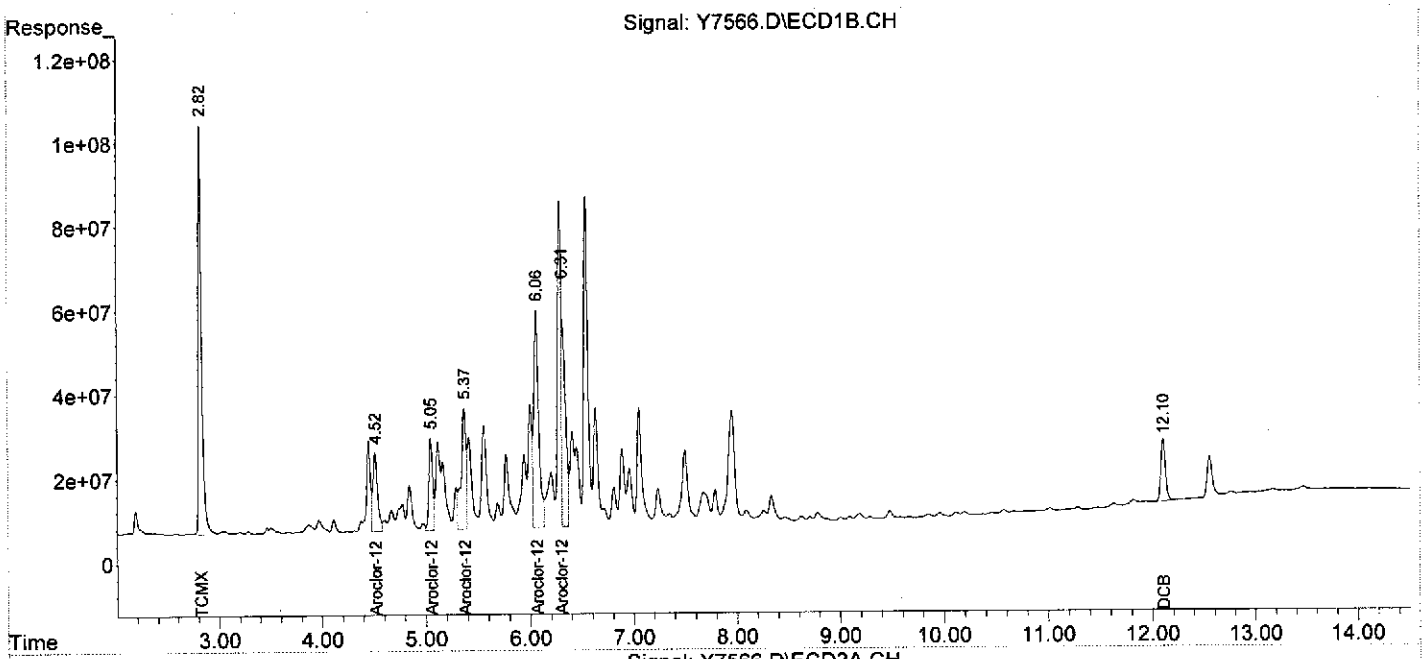
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

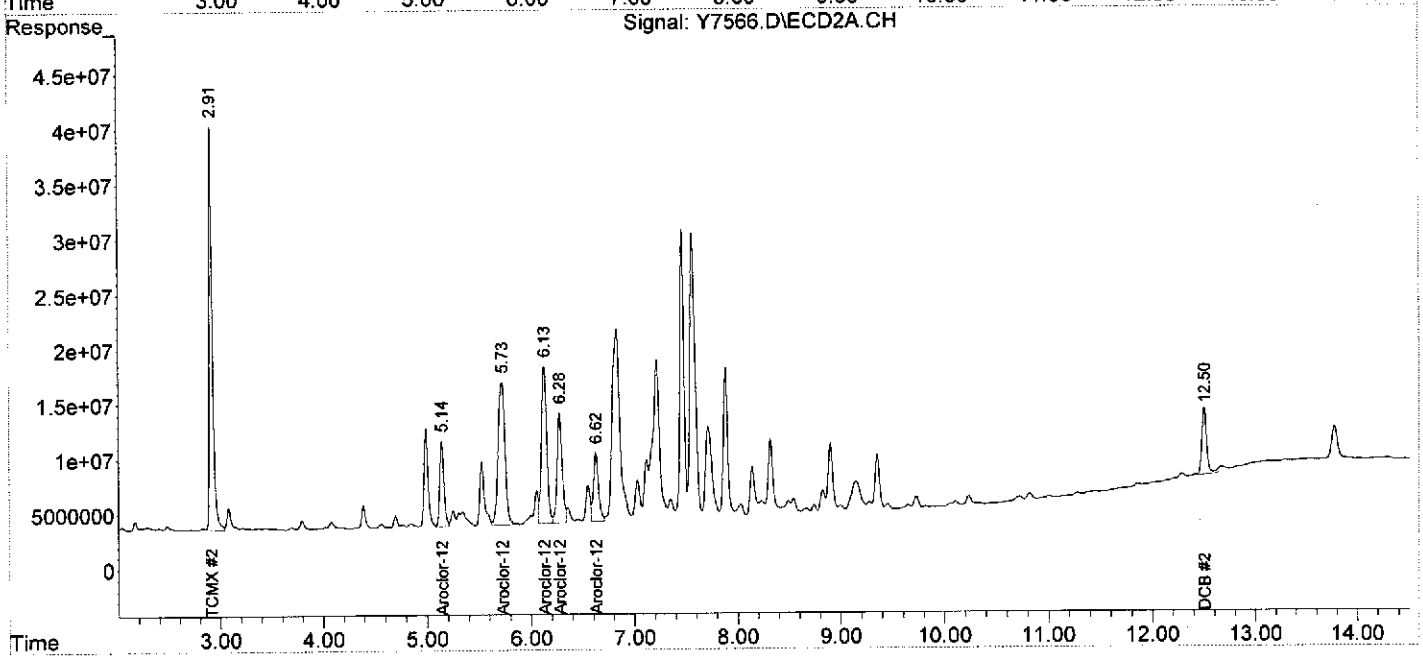
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7566.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 16:35
Operator : YG
Sample : T-20_(0-2.,07021-007,S,5.23g,12.9,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,10
ALS Vial : 80 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:08:02 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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 : Y7567.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 16:52
Operator : YG
Sample : T-20_(2.0-,07021-008,S,5.07g,34.1,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:08:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	19522.3E6	8229.1E6	205.345	235.437
Spiked Amount 200.000			Recovery	=	102.67%	117.72%
2) S DCB	12.10	12.50	4381.2E6	2093.6E6	212.595	243.622
Spiked Amount 200.000			Recovery	=	106.30%	121.81%
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
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

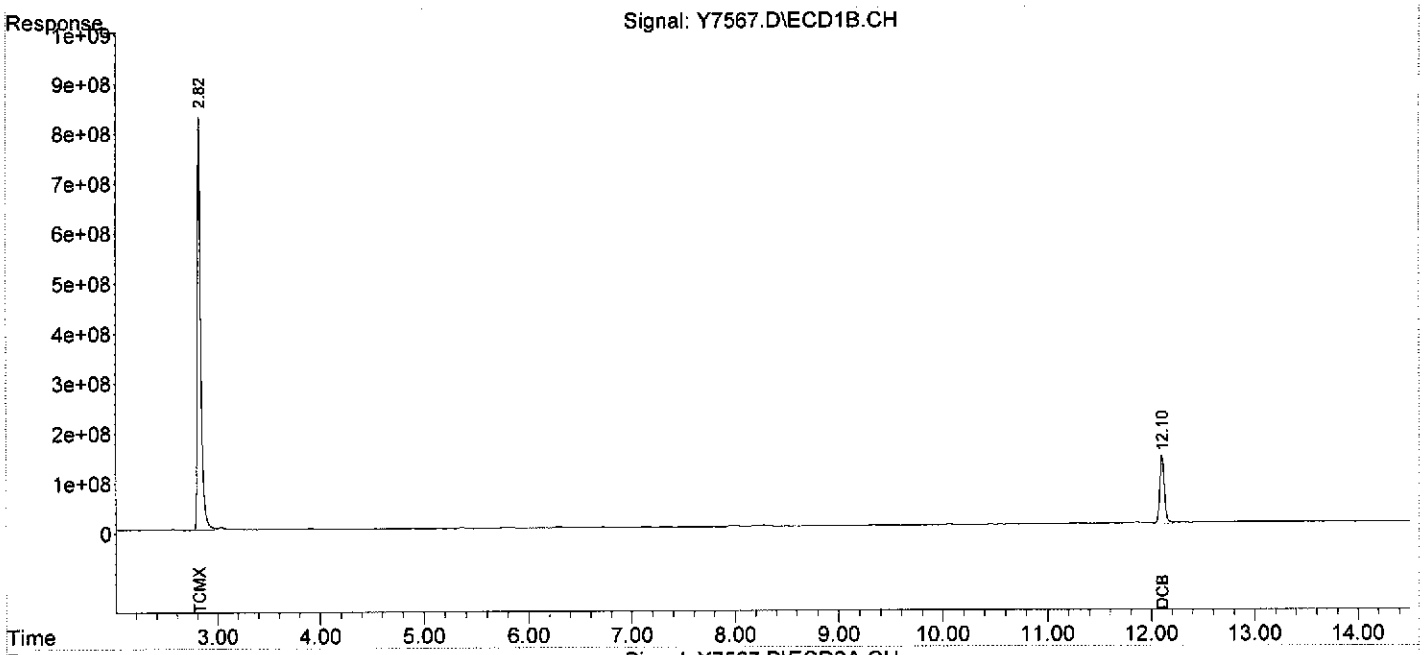
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

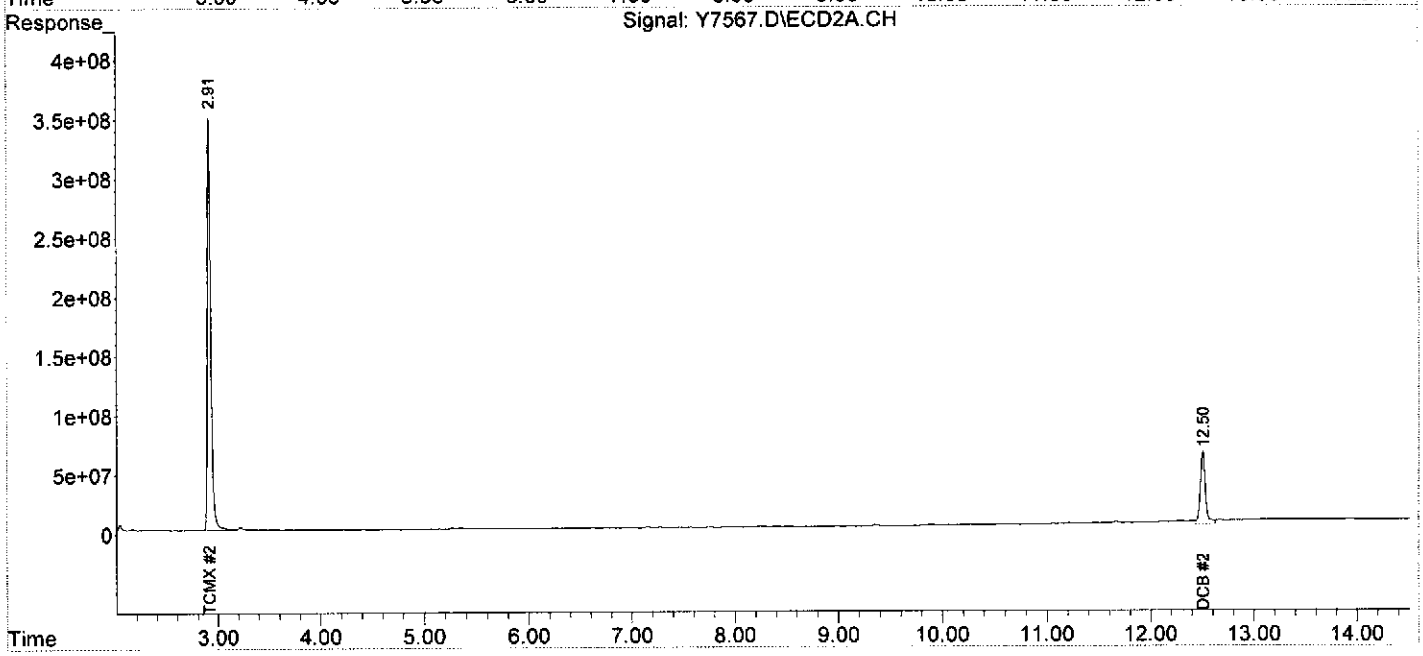
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7567.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 16:52
Operator : YG
Sample : T-20_(2.0-,07021-008,S,5.07g,34.1,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:08:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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 : Y7568.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 17:10
Operator : YG
Sample : T-20_(4.0-,07021-009,S,5.96g,34.5,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:08:48 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	22161.8E6	8386.7E6	233.109	239.945
Spiked Amount 200.000			Recovery	=	116.55%	119.97%
2) S DCB	12.10	12.50	4050.8E6	2157.1E6	196.564	251.015 #
Spiked Amount 200.000			Recovery	=	98.28%	125.51%
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

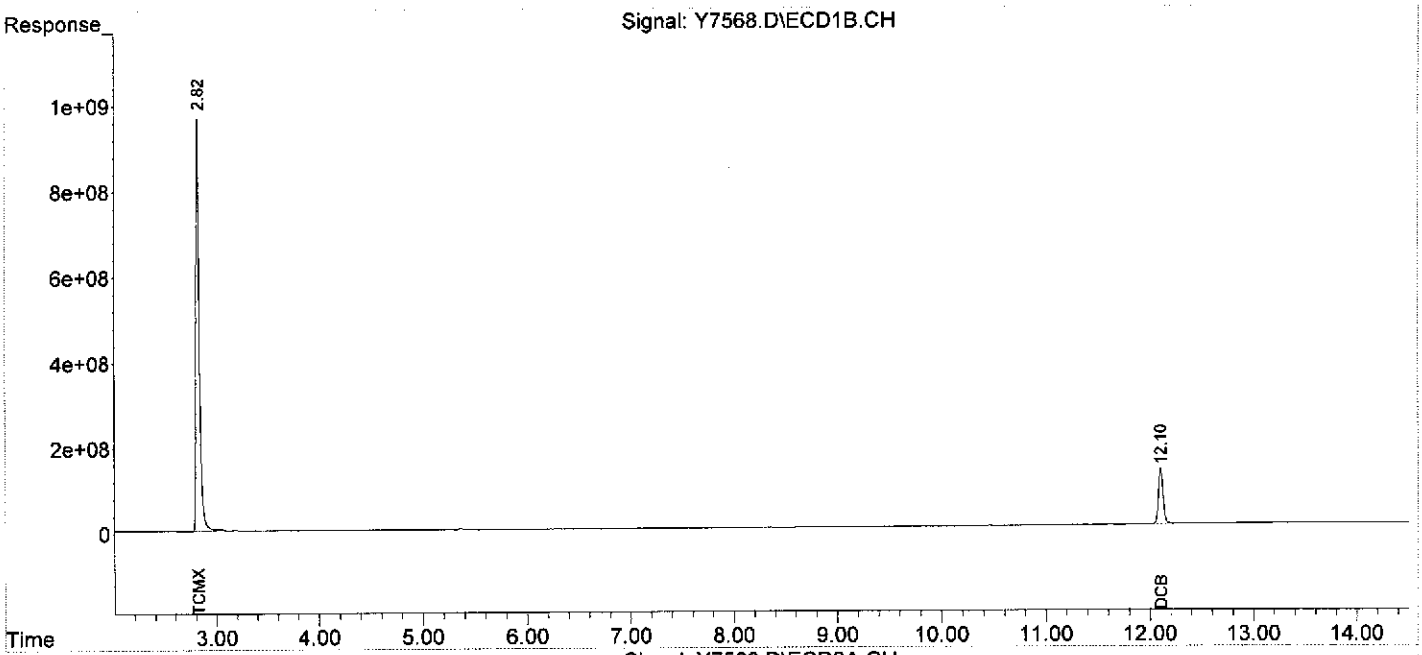
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

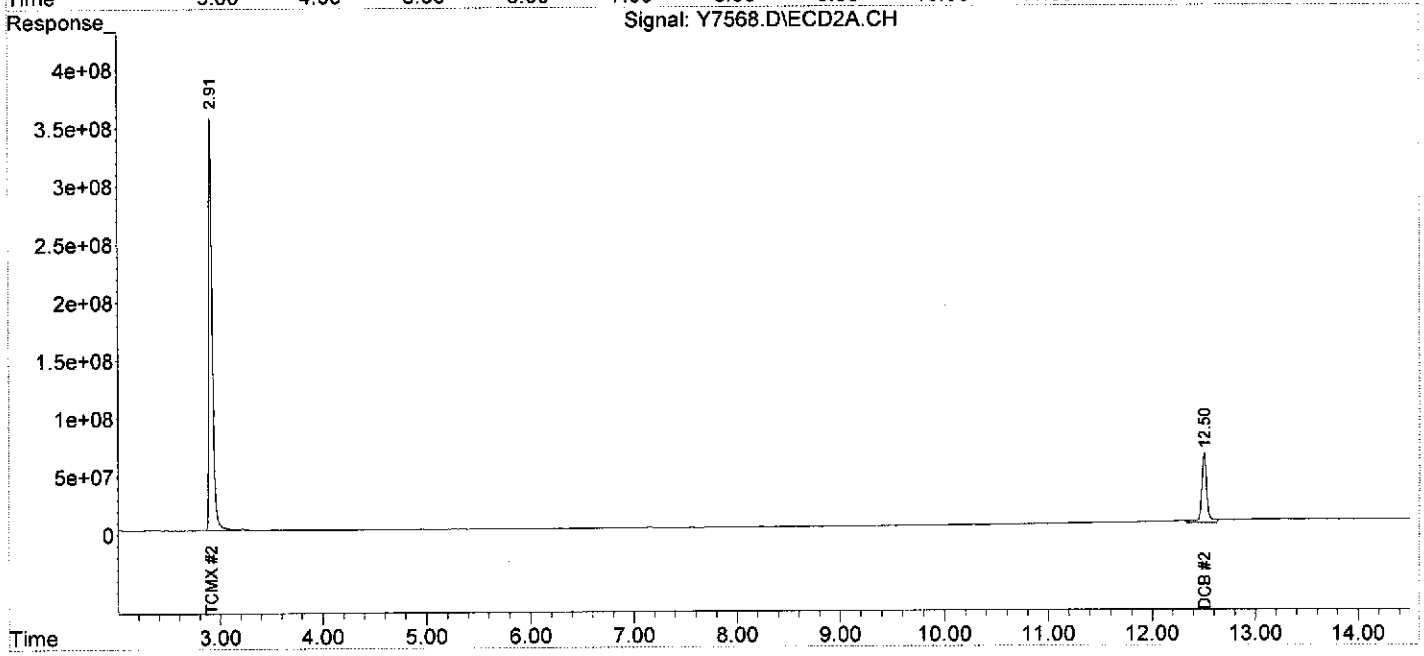
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7568.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 17:10
Operator : YG
Sample : T-20_(4.0-,07021-009,S,5.96g,34.5,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:08:48 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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 : Y7569.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 17:27
Operator : YG
Sample : U-20_(0-2.,07021-010,S,5.31g,14.7,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:09:13 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	18810.0E6	6881.2E6	197.853	196.873
Spiked Amount 200.000			Recovery	=	98.93%	98.44%
2) S DCB	12.10	12.50	3382.0E6	1655.3E6	164.111	192.621
Spiked Amount 200.000			Recovery	=	82.06%	96.31%
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

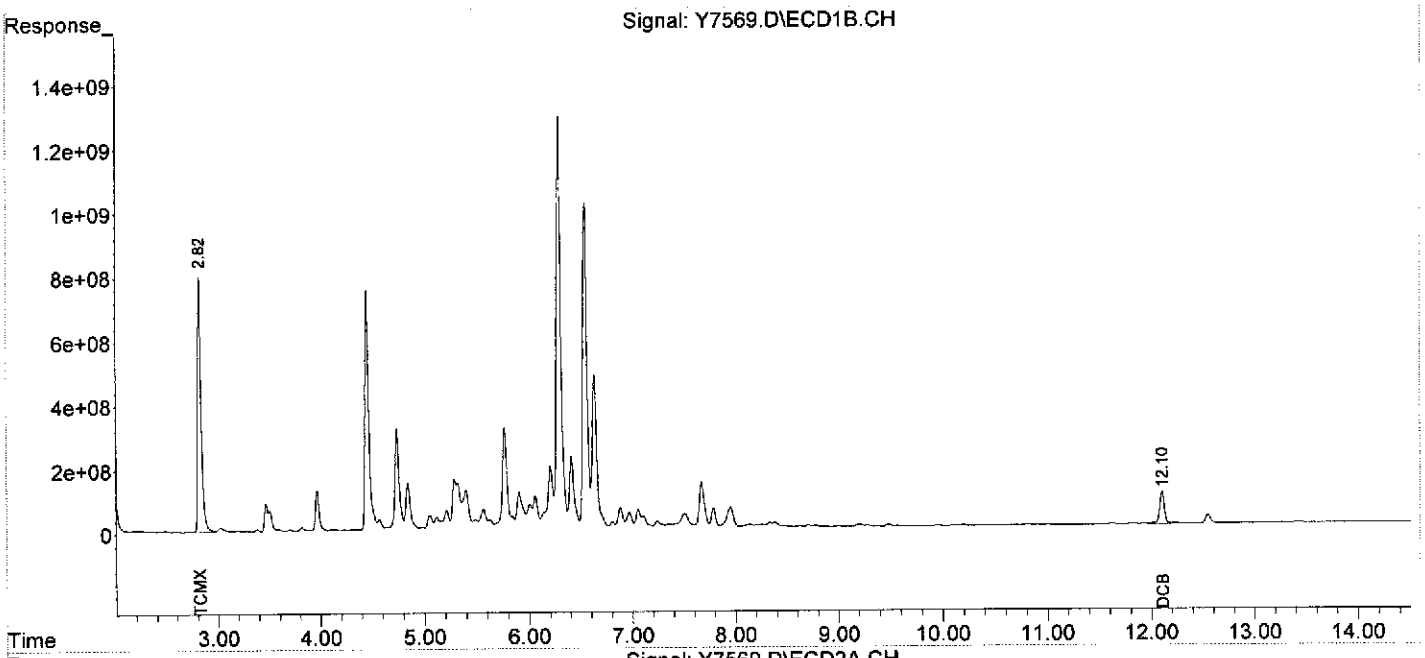
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

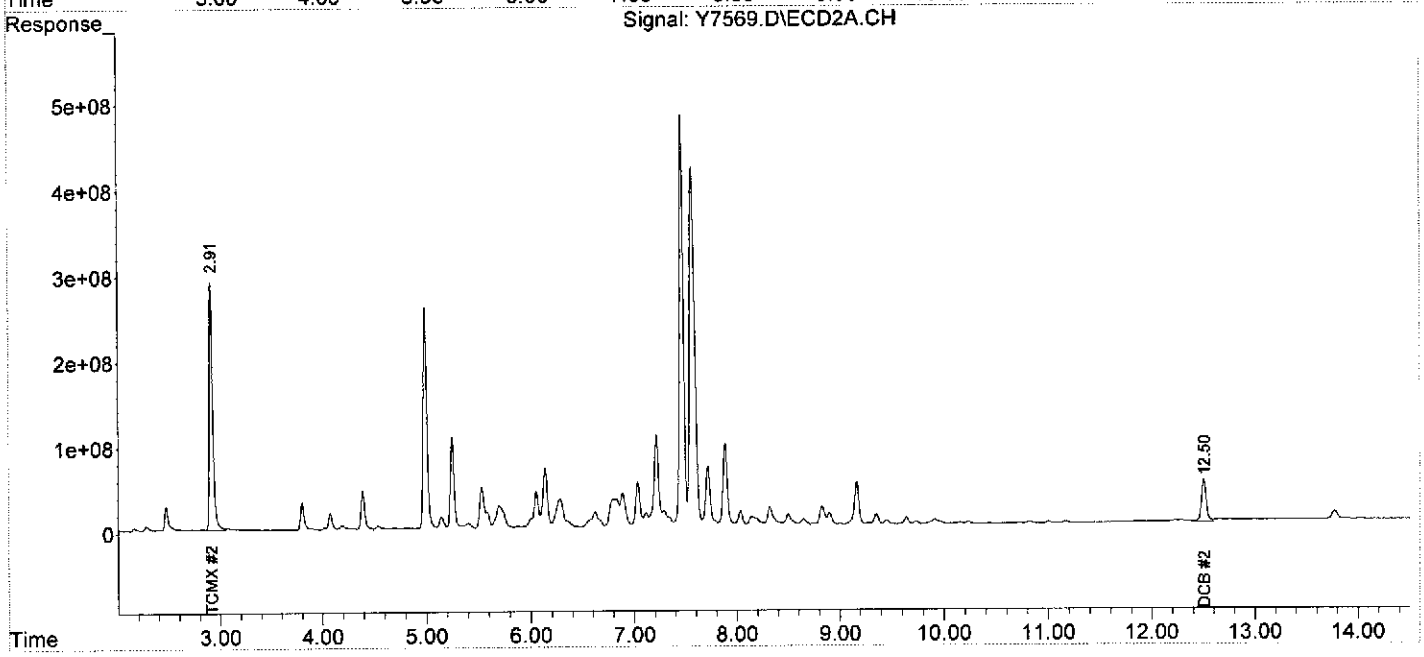
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7569.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 17:27
Operator : YG
Sample : U-20_(0-2.,07021-010,S,5.31g,14.7,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:09:13 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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 : Y7570.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 17:44
Operator : YG
Sample : U-20_(2.0-,07021-011,S,5.12g,13.7,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 84 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:09:36 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	20503.5E6	7288.9E6	215.665	208.536
Spiked Amount 200.000			Recovery	=	107.83%	104.27%
2) S DCB	12.10	12.50	4091.4E6	1653.6E6	198.534	192.422
Spiked Amount 200.000			Recovery	=	99.27%	96.21%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

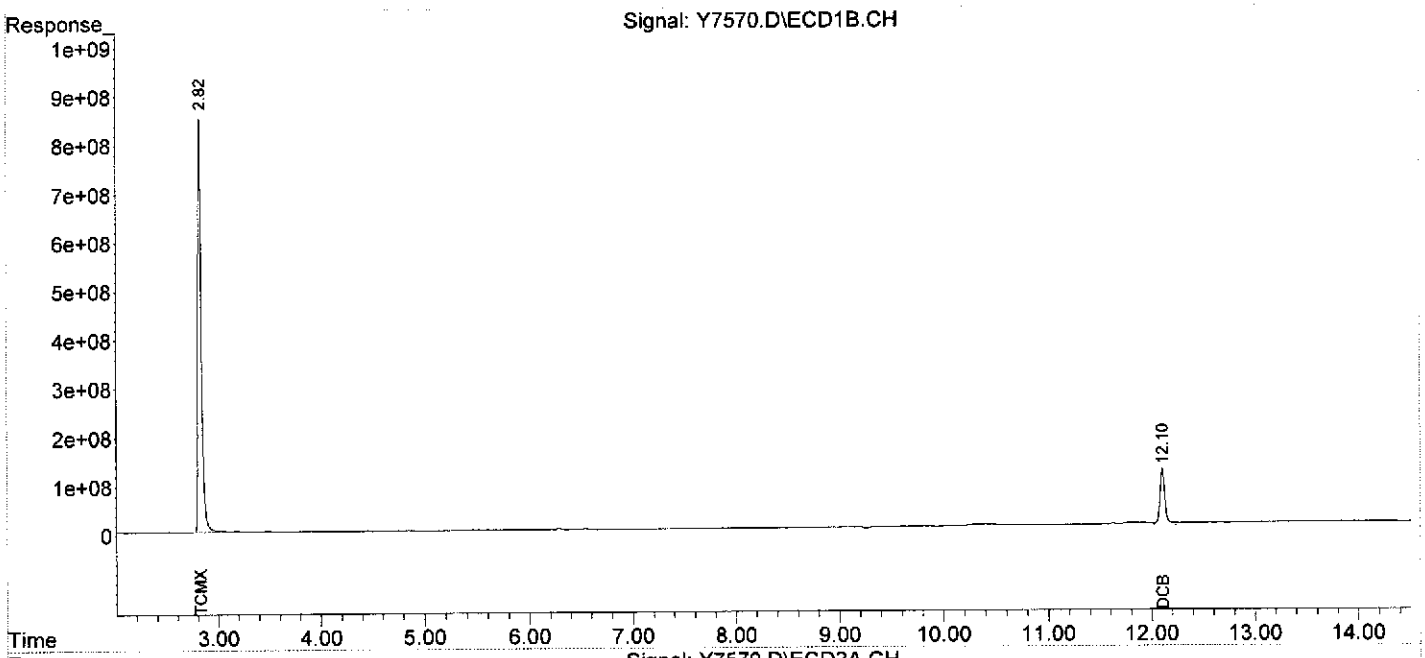
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

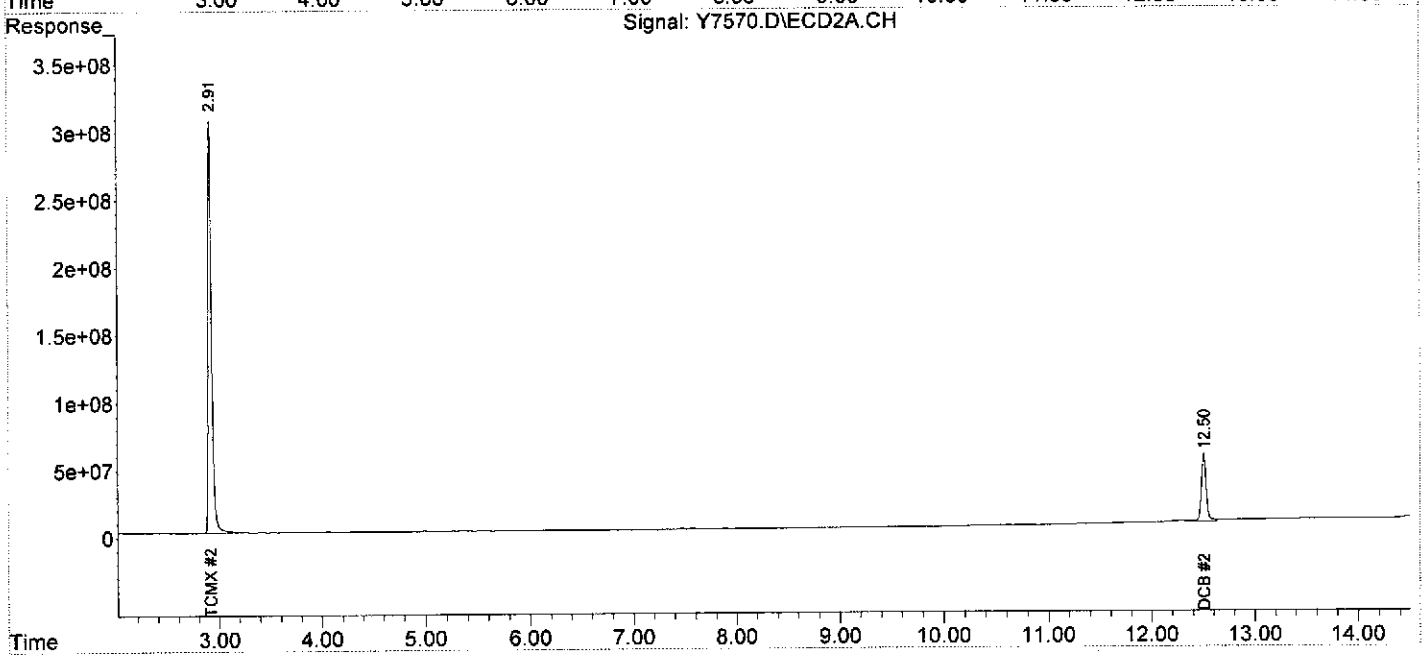
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7570.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 17:44
Operator : YG
Sample : U-20_(2.0-,07021-011,S,5.12g,13.7,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 84 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:09:36 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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 : Y7571.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 18:01
Operator : YG
Sample : U-20_(4.0-,07021-012,S,5.49g,20.6,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 85 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:10:00 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	21879.1E6	7804.7E6	230.135	223.295
Spiked Amount 200.000			Recovery	=	115.07%	111.65%
2) S DCB	12.11	12.50	3903.1E6	1745.9E6	189.397	203.166
Spiked Amount 200.000			Recovery	=	94.70%	101.58%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

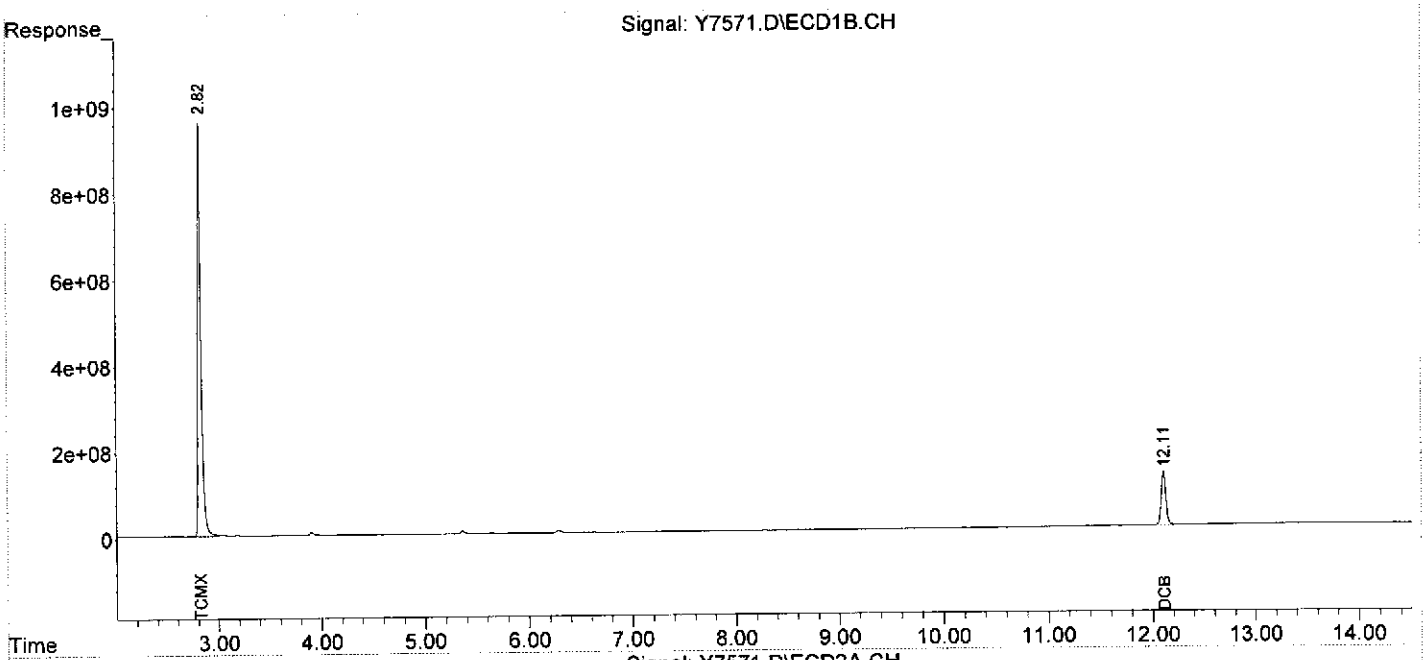
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

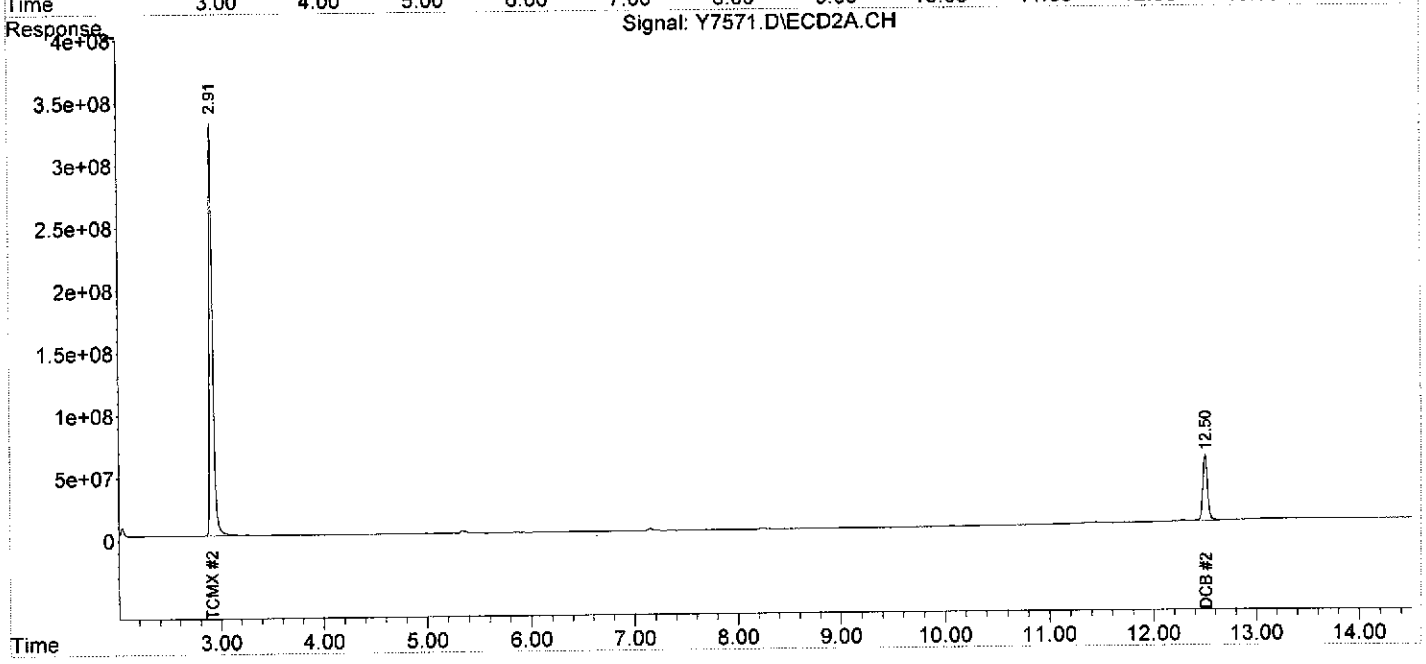
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7571.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 18:01
Operator : YG
Sample : U-20_(4.0-,07021-012,S,5.49g,20.6,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 85 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:10:00 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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 : Y7572.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 18:18
Operator : YG
Sample : S-19_(0-2.,07021-013,S,5.83g,16.0,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,10
ALS Vial : 86 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:10:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	2458.3E6	875.5E6	25.858	25.048
Spiked Amount 200.000			Recovery	=	12.93%	12.52%
2) S DCB	12.11	12.50	491.1E6	189.2E6	23.828m	22.013m
Spiked Amount 200.000			Recovery	=	11.91%	11.01%
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	4.52	5.14	2838.9E6	992.0E6	643.906	622.269
24) L6 Aroclor-1248 {2}	5.05	5.72	2208.1E6	2166.5E6	911.030	924.814
25) L6 Aroclor-1248 {3}	5.37	6.12	3200.6E6	1726.4E6	1043.038	1019.219
26) L6 Aroclor-1248 {4}	6.06	6.28	6893.3E6	1426.6E6	1236.881	981.442
27) L6 Aroclor-1248 {5}	6.34	6.63	6044.3E6	890.2E6	1451.016	1060.224 #
Sum Aroclor-1248			21185.2E6	7201.6E6	5285.871	4607.969
Average Aroclor-1248					1057.174	921.594
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

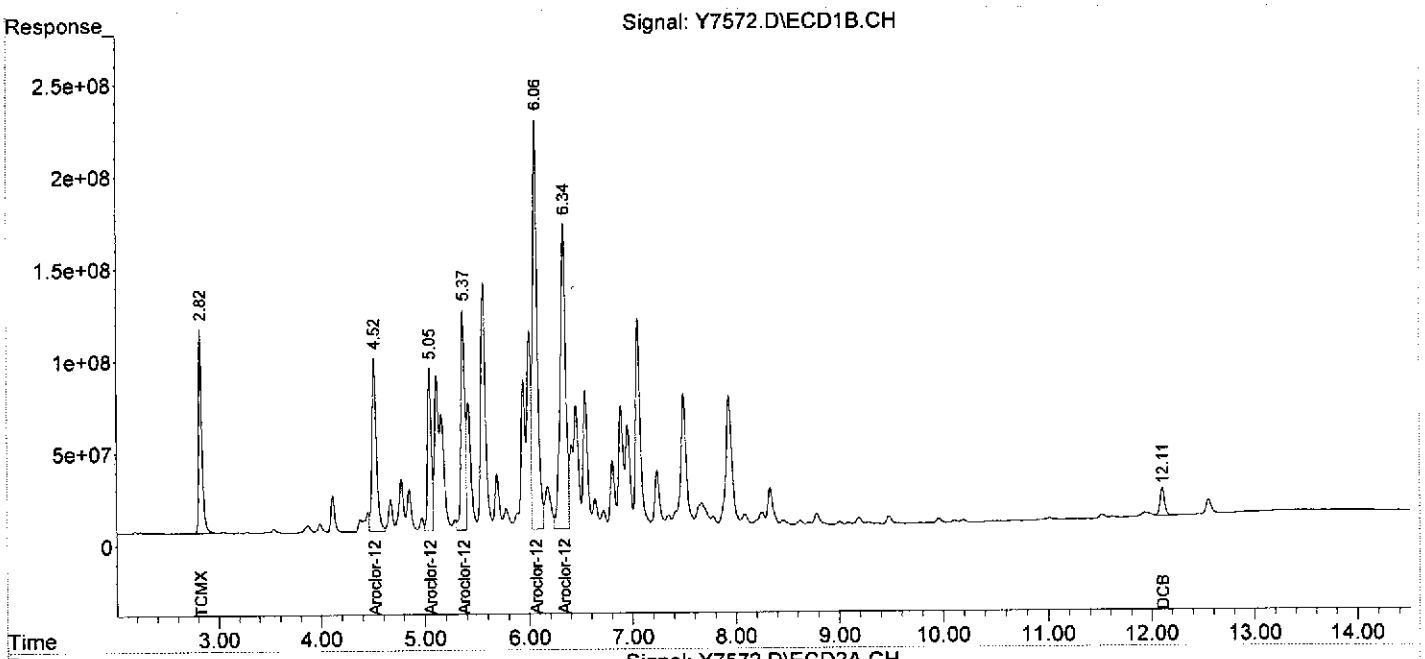
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

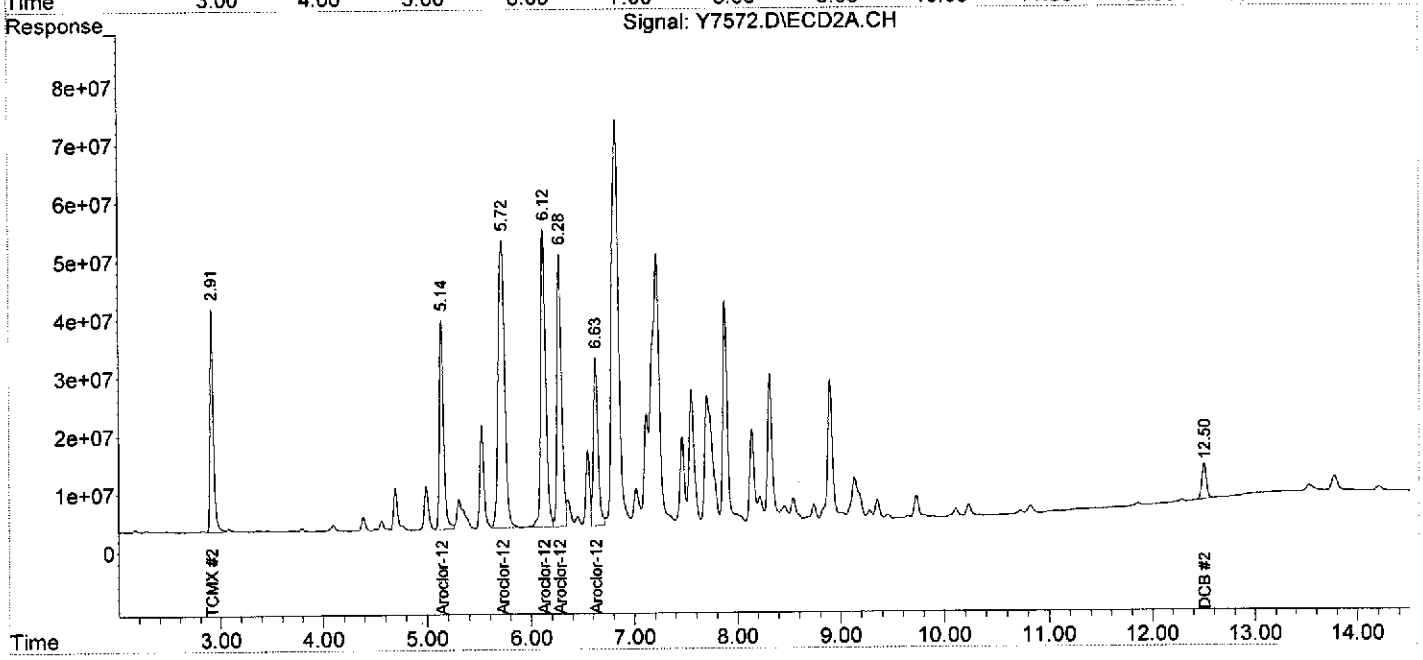
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7572.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 18:18
Operator : YG
Sample : S-19_(0-2.,07021-013,S,5.83g,16.0,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,10
ALS Vial : 86 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:10:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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 : Y7573.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 18:36
Operator : YG
Sample : S-19_(2.0-,07021-014,S,5.24g,13.0,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 87 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:10:54 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	21085.1E6	7493.5E6	221.784	214.391
Spiked Amount 200.000			Recovery	=	110.89%	107.20%
2) S DCB	12.11	12.50	4069.1E6	1680.1E6	197.452	195.508
Spiked Amount 200.000			Recovery	=	98.73%	97.75%
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

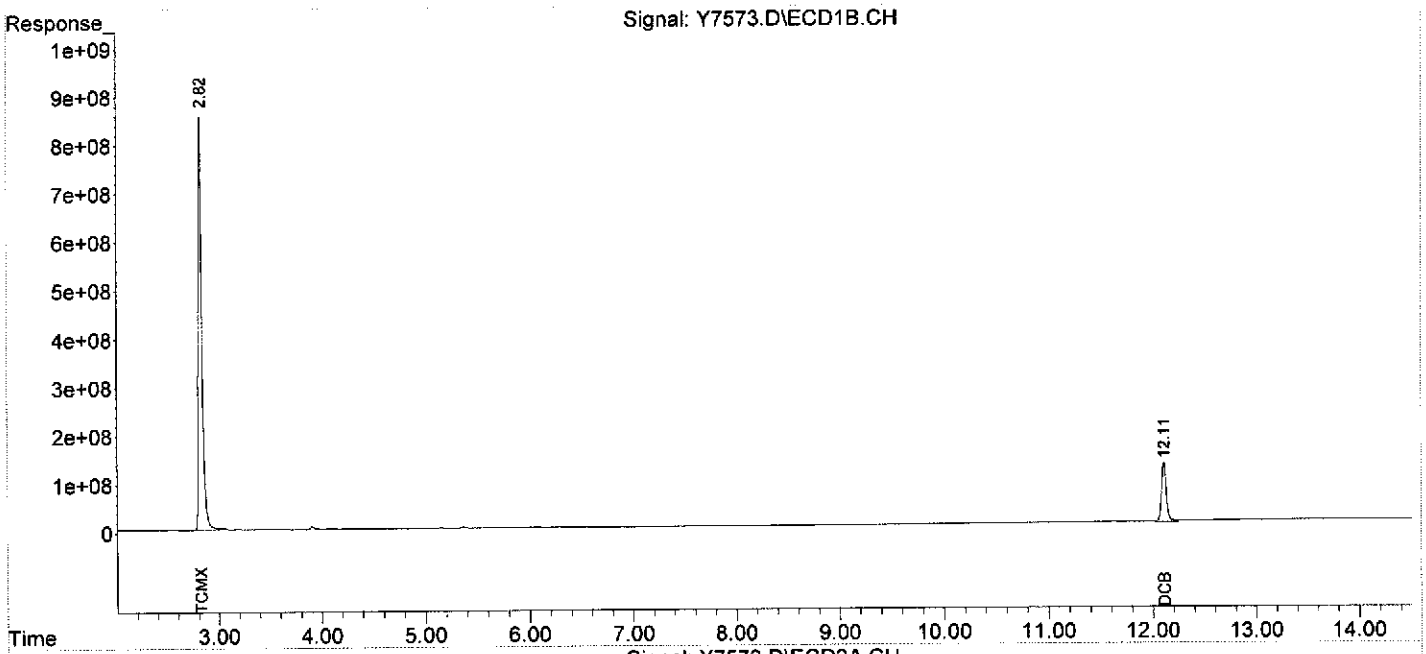
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

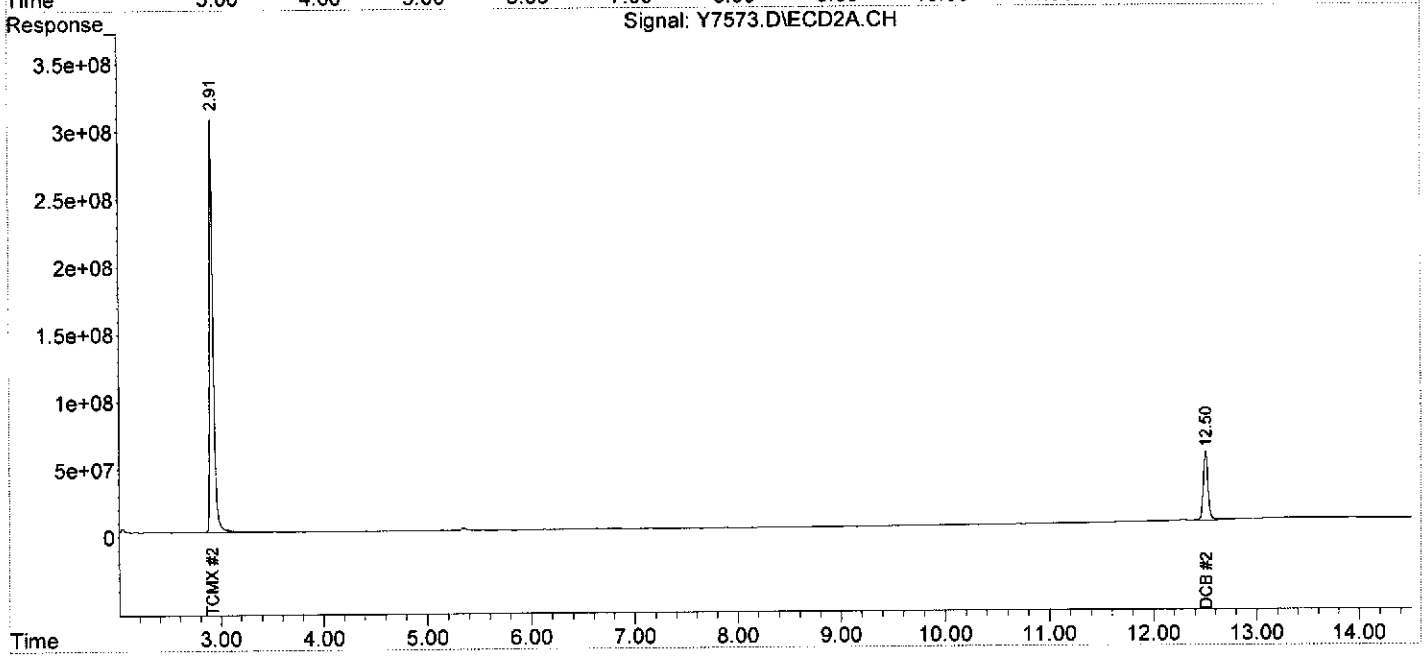
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7573.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 18:36
Operator : YG
Sample : S-19_(2.0-,07021-014,S,5.24g,13.0,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 87 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:10:54 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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 : Y7574.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 18:53
Operator : YG
Sample : S-19_(4.0-,07021-015,S,5.16g,45.1,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 88 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:11:15 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	23798.4E6	8672.8E6	250.324	248.132
Spiked Amount 200.000			Recovery	=	125.16%	124.07%
2) S DCB	12.11	12.50	5089.8E6	2282.6E6	246.979	265.624
Spiked Amount 200.000			Recovery	=	123.49%	132.81%
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
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

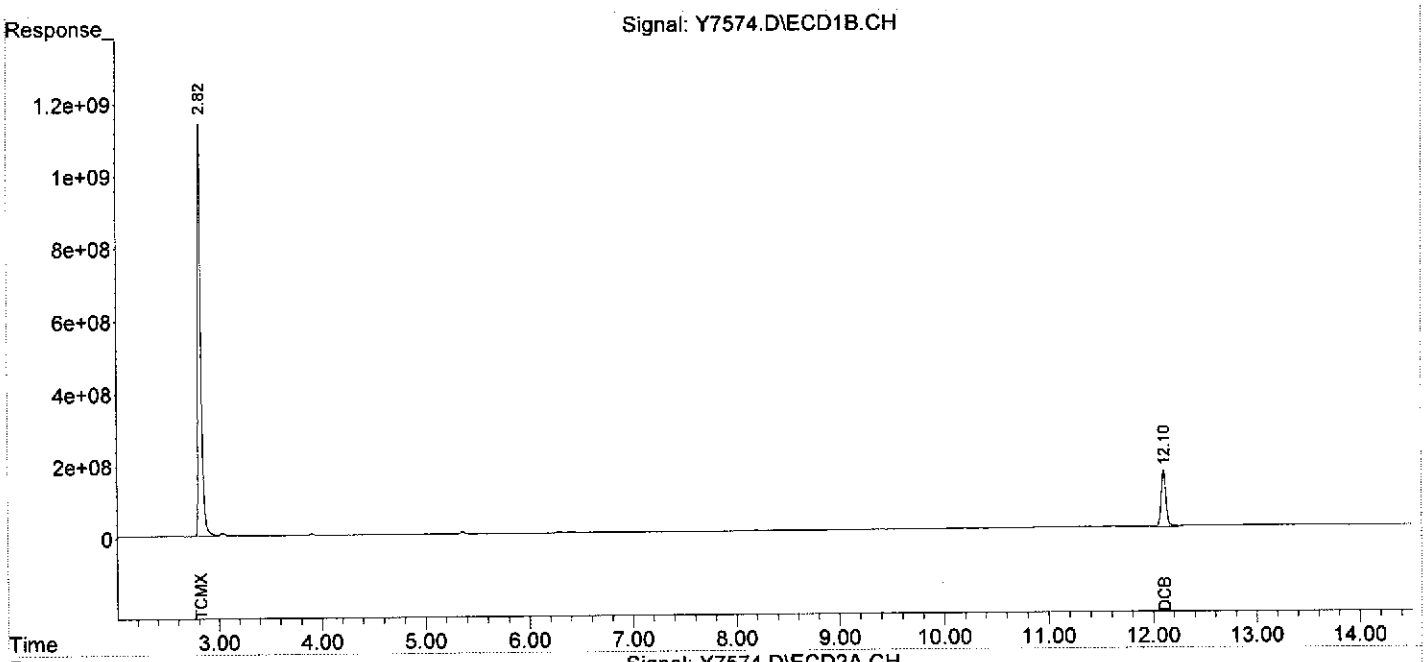
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

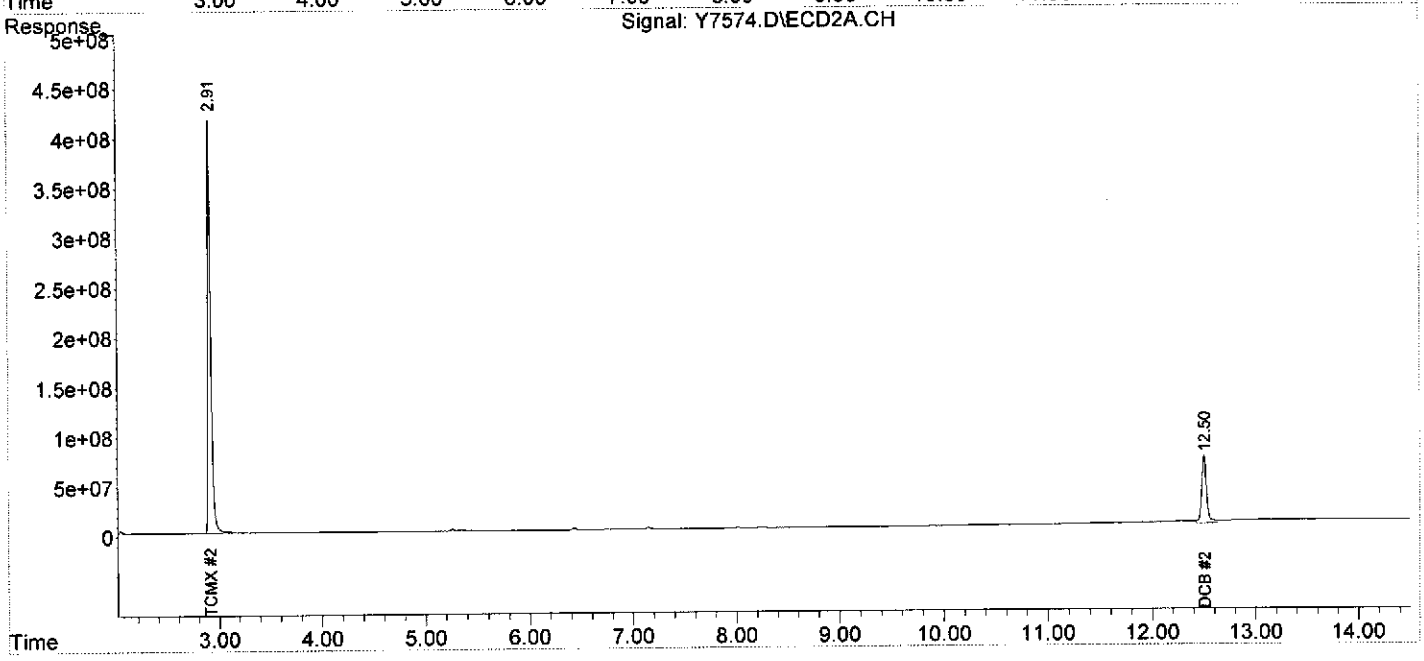
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7574.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 18:53
Operator : YG
Sample : S-19_(4.0-,07021-015,S,5.16g,45.1,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 88 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:11:15 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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 : Y7575.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 19:10
Operator : YG
Sample : R-19_(0-2.,07021-016,S,5.47g,15.9,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 89 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:11:32 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	20598.7E6	7415.0E6	216.667	212.145
Spiked Amount 200.000			Recovery	=	108.33%	106.07%
2) S DCB	12.10	12.50	4015.1E6	1725.7E6	194.832	200.812
Spiked Amount 200.000			Recovery	=	97.42%	100.41%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.14	571.6E6	240.8E6	129.654	151.039
24) L6 Aroclor-1248 {2}	5.05	5.72	669.8E6	724.1E6	276.366	309.106
25) L6 Aroclor-1248 {3}	5.37	6.12	1019.2E6	585.4E6	332.162	345.628
26) L6 Aroclor-1248 {4}	6.06	6.28	2021.4E6	516.6E6	362.710	355.370
27) L6 Aroclor-1248 {5}	6.33	6.63	1583.5E6	309.4E6	380.137	368.496
Sum Aroclor-1248			5865.6E6	2376.3E6	1481.030	1529.638
Average Aroclor-1248					296.206	305.928
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

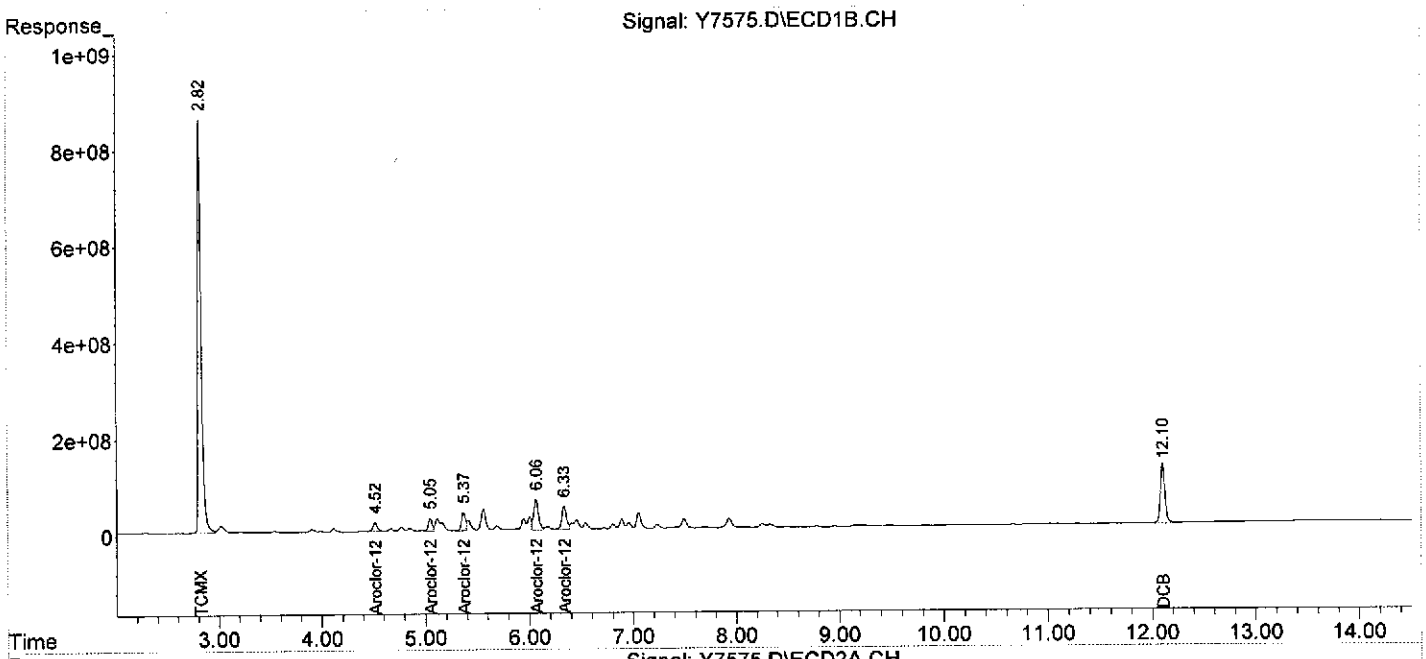
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

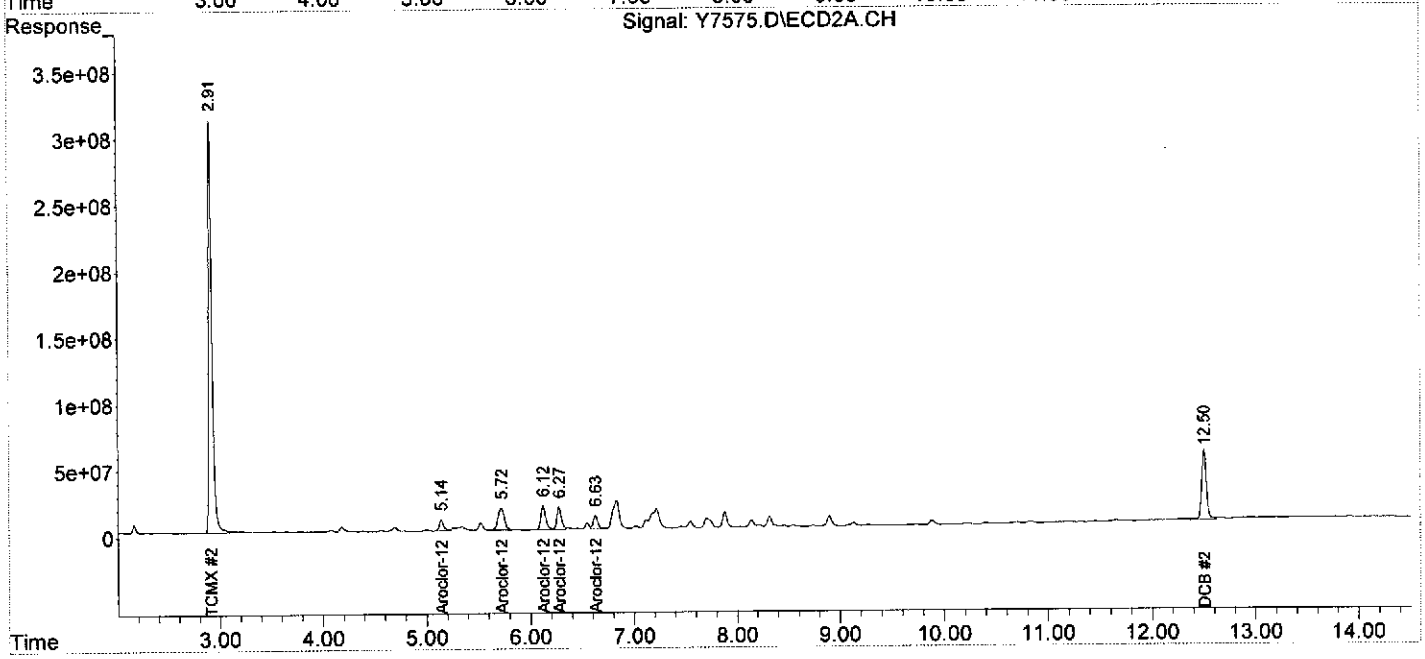
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7575.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 19:10
Operator : YG
Sample : R-19_(0-2.,07021-016,S,5.47g,15.9,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 89 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:11:32 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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 : Y7576.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 19:27
Operator : YG
Sample : R-19_(2.0-,07021-017,S,5.11g,48.5,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:12:03 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	22946.7E6	8178.5E6	241.364	233.988
Spiked Amount 200.000			Recovery	=	120.68%	116.99%
2) S DCB	12.10	12.50	4186.6E6	2136.4E6	203.152	248.606
Spiked Amount 200.000			Recovery	=	101.58%	124.30%
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

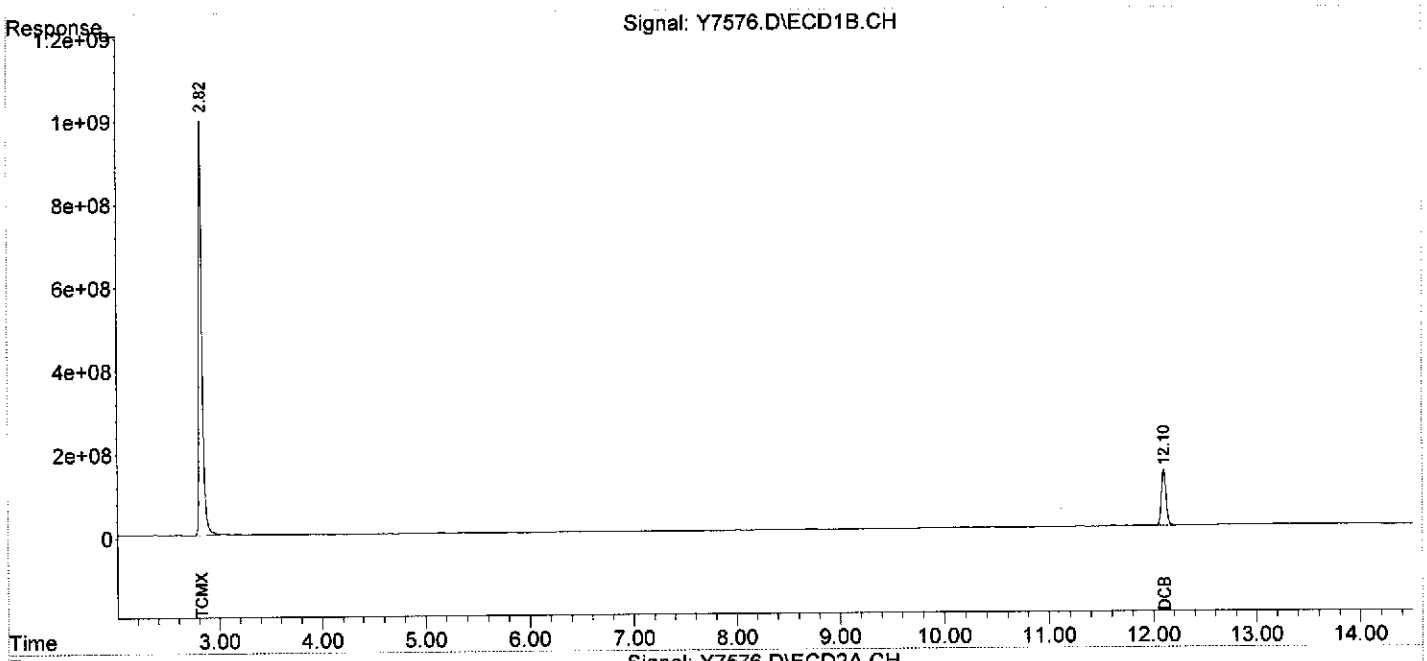
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

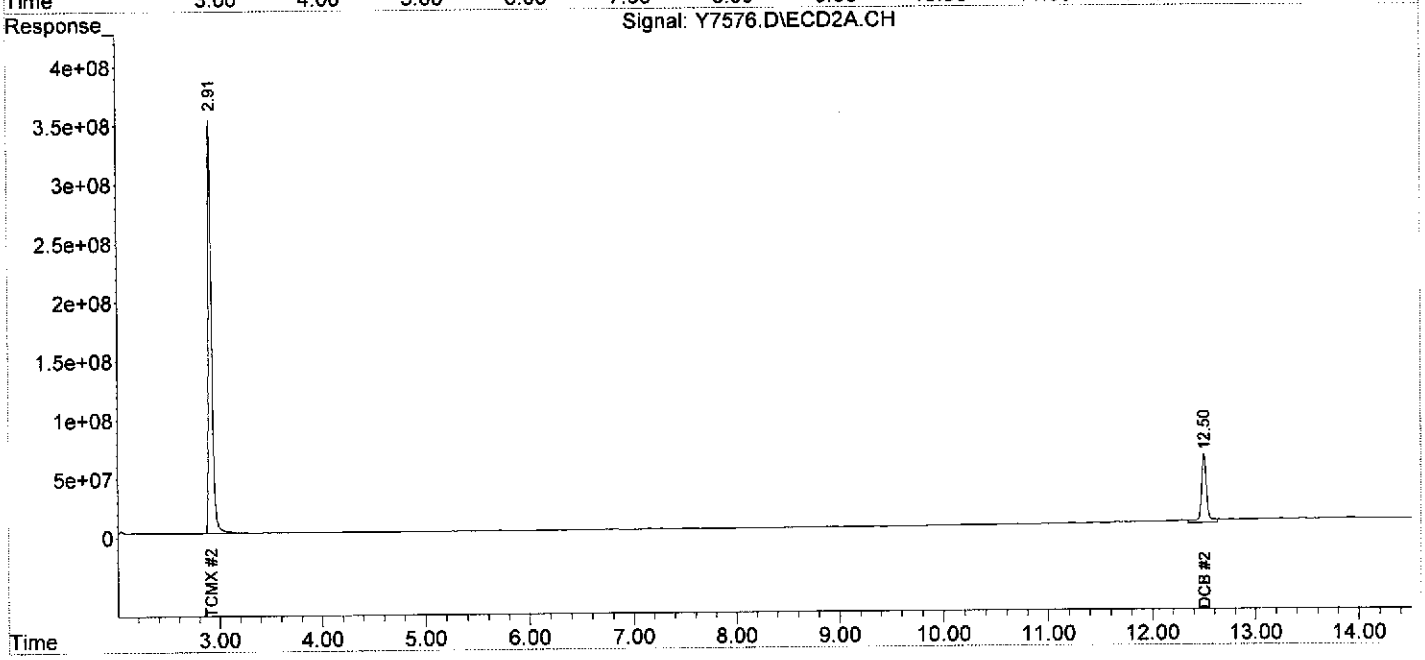
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7576.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 19:27
Operator : YG
Sample : R-19_(2.0-,07021-017,S,5.11g,48.5,07/23/12,4
Misc : 120723-08,07/13/12,07/13/12,1
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 14:12:03 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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\07-24-12\
Data File : Y7386.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 14:45
Operator : YG
Sample : R-19_(4.0-,07021-018,S,5.63g,20.7,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:06:42 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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	21242.2E6	7360.2E6	224.493	234.170
Spiked Amount 200.000			Recovery	=	112.25%	117.08%
2) S DCB	12.11	12.51	4792.7E6	1775.4E6	246.264m	232.925m
Spiked Amount 200.000			Recovery	=	123.13%	116.46%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

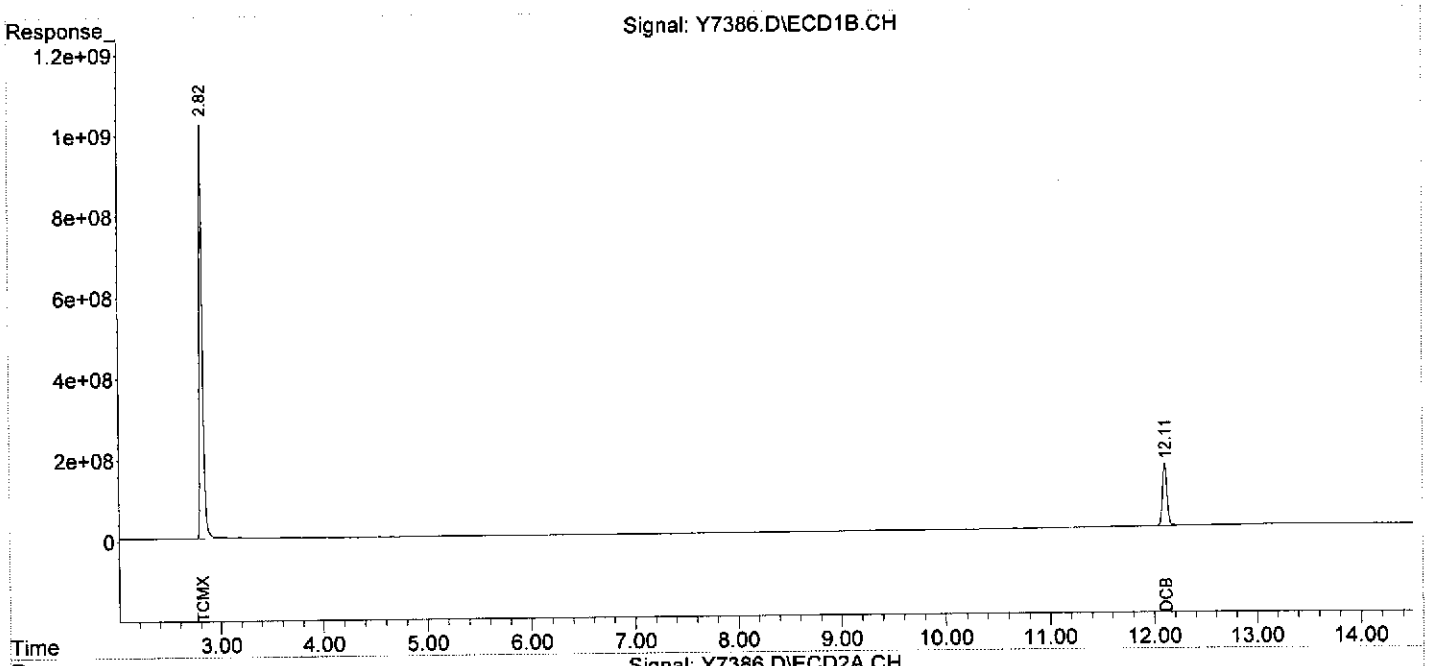
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

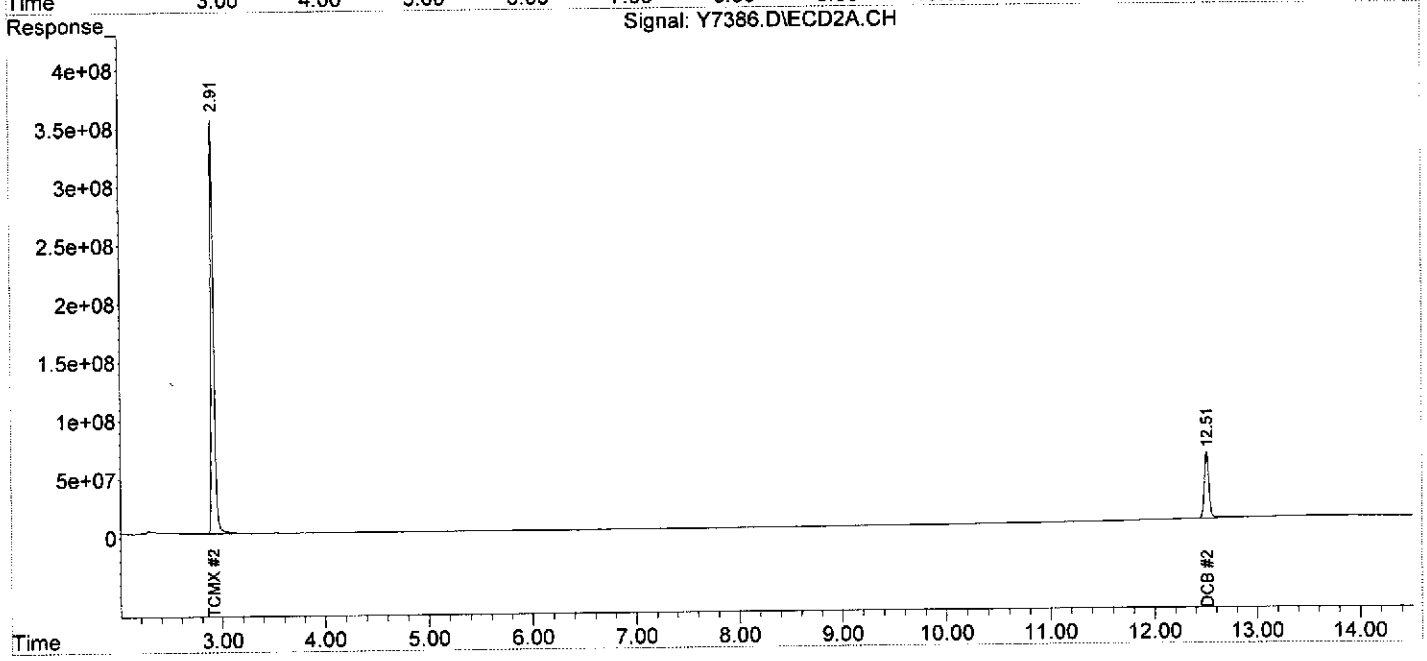
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7386.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 14:45
Operator : YG
Sample : R-19_(4.0-,07021-018,S,5.63g,20.7,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:06:42 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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\07-24-12\
Data File : Y7387.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 15:02
Operator : YG
Sample : Q-19_(0-2.,07021-019,S,5.46g,11.1,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:12:11 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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	18062.6E6	6803.1E6	190.890	216.445
Spiked Amount 200.000			Recovery	=	95.44%	108.22%
2) S DCB	12.10	12.51	4033.5E6	1541.7E6	207.255m	202.260m
Spiked Amount 200.000			Recovery	=	103.63%	101.13%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.14	2412.3E6	868.6E6	569.207	659.318
24) L6 Aroclor-1248 {2}	5.05	5.72	1736.4E6	1689.7E6	718.466	867.029
25) L6 Aroclor-1248 {3}	5.37	6.12	2589.5E6	1299.1E6	800.213	919.067
26) L6 Aroclor-1248 {4}	6.06	6.28	3537.5E6	1048.9E6	685.483	870.209 #
27) L6 Aroclor-1248 {5}	6.34	6.63	2803.4E6	506.9E6	676.338	767.679
Sum Aroclor-1248			13079.2E6	5413.3E6	3449.706	4083.303
Average Aroclor-1248					689.941	816.661
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.33	7.89	1024.7E6	699.9E6	143.843	768.038 #
34) L8 Aroclor-1260 {2}	9.00	8.14	401.7E6	364.9E6	119.715	269.575 #
35) L8 Aroclor-1260 {3}	9.48	9.73	1017.3E6	167.7E6	124.730	155.198
36) L8 Aroclor-1260 {4}	9.96	10.24	426.4E6	317.7E6	100.780	137.349 #
37) L8 Aroclor-1260 {5}	11.02	10.83	212.5E6	350.7E6	133.213m	205.233 #
Sum Aroclor-1260			3082.7E6	1900.8E6	622.281	1535.392
Average Aroclor-1260					124.456	307.078
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\07-24-12\
Data File : Y7387.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 15:02
Operator : YG
Sample : Q-19_(0-2.,07021-019,S,5.46g,11.1,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:12:11 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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

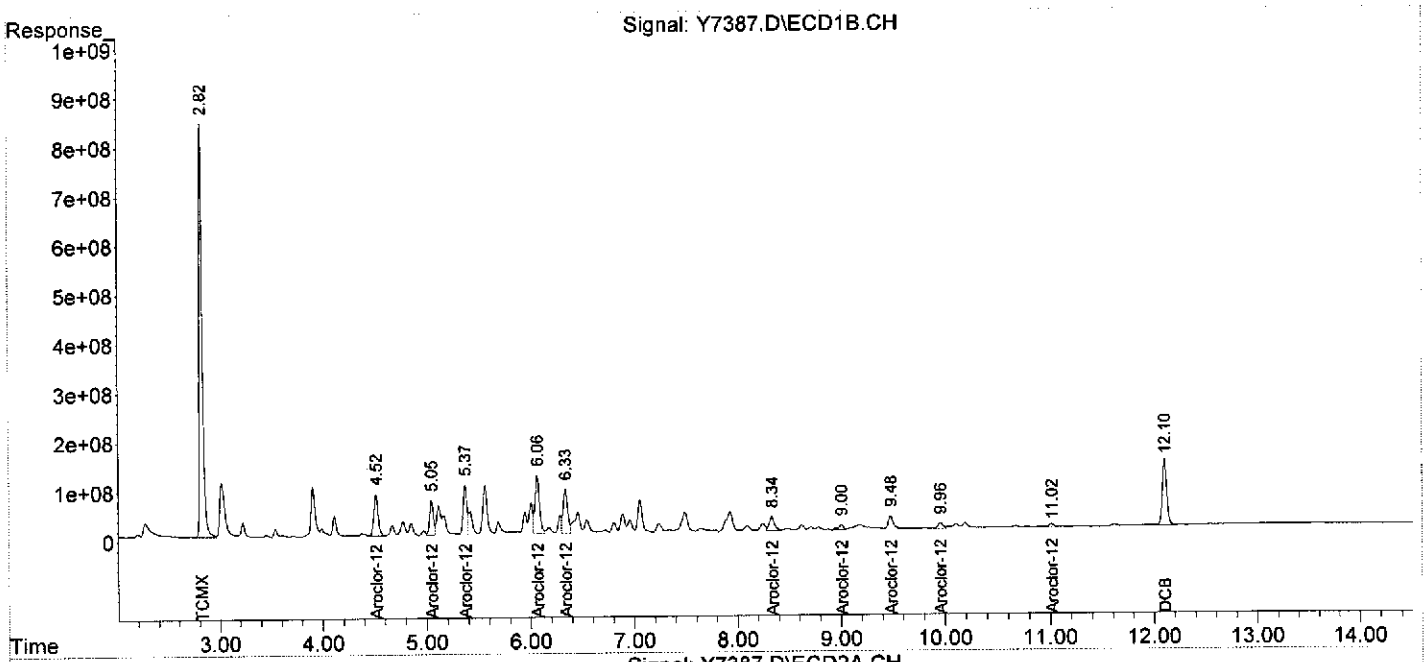
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

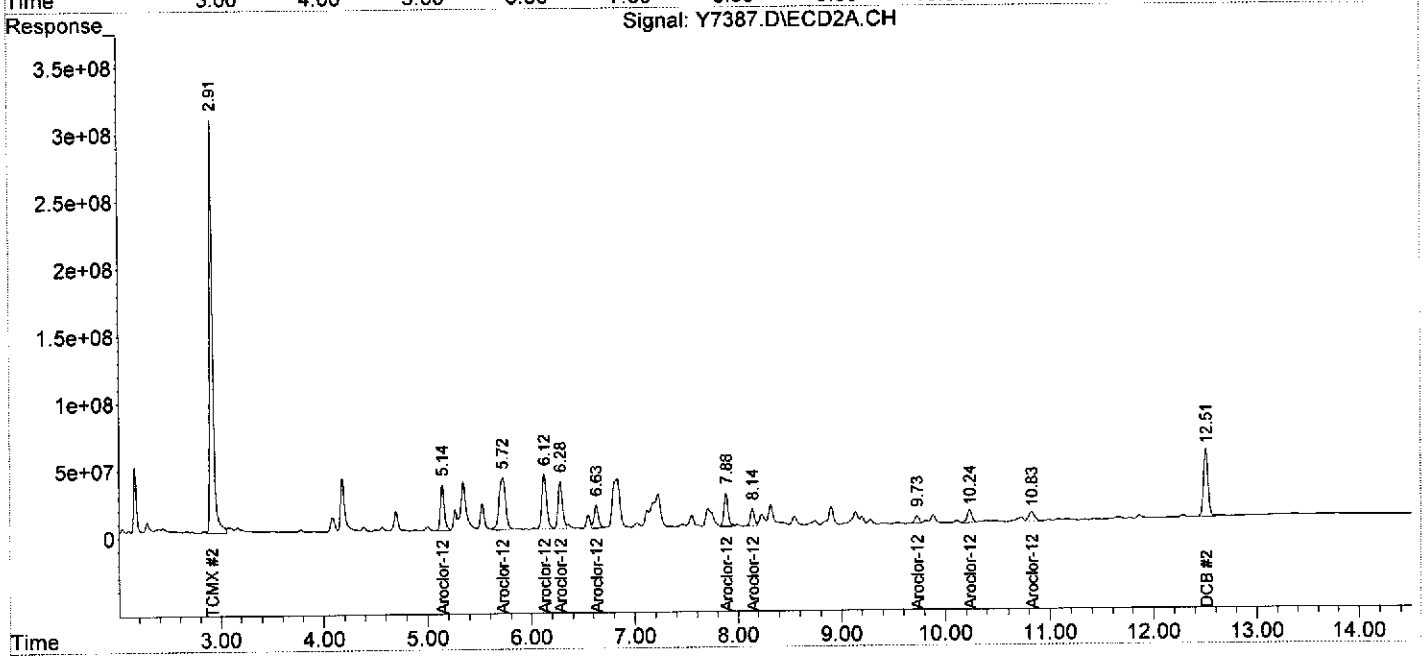
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7387.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 15:02
Operator : YG
Sample : Q-19_(0-2.,07021-019,S,5.46g,11.1,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:12:11 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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\07-24-12\
Data File : Y7388.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 15:19
Operator : YG
Sample : Q-19_(2.0-,07021-020,S,5.72g,23.8,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:14:09 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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	19858.4E6	7082.1E6	209.869	225.322
Spiked Amount 200.000			Recovery	=	104.93%	112.66%
2) S DCB	12.10	12.51	4090.1E6	1596.7E6	210.162m	209.481m
Spiked Amount 200.000			Recovery	=	105.08%	104.74%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.53	5.14	99235656	21329903	23.415	16.190 #
24) L6 Aroclor-1248 {2}	5.05	5.72	20286698	26196331	8.394	13.442 #
25) L6 Aroclor-1248 {3}	5.37	6.12	53774975	19297920	16.617	13.653
26) L6 Aroclor-1248 {4}	6.07	6.28	31548393	11676897	6.113	9.687 #
27) L6 Aroclor-1248 {5}	0.00	6.62	0	18840653	N.D. d	28.531 #
Sum Aroclor-1248			204.8E6	97341705	54.540	81.504
Average Aroclor-1248					13.635	16.301
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

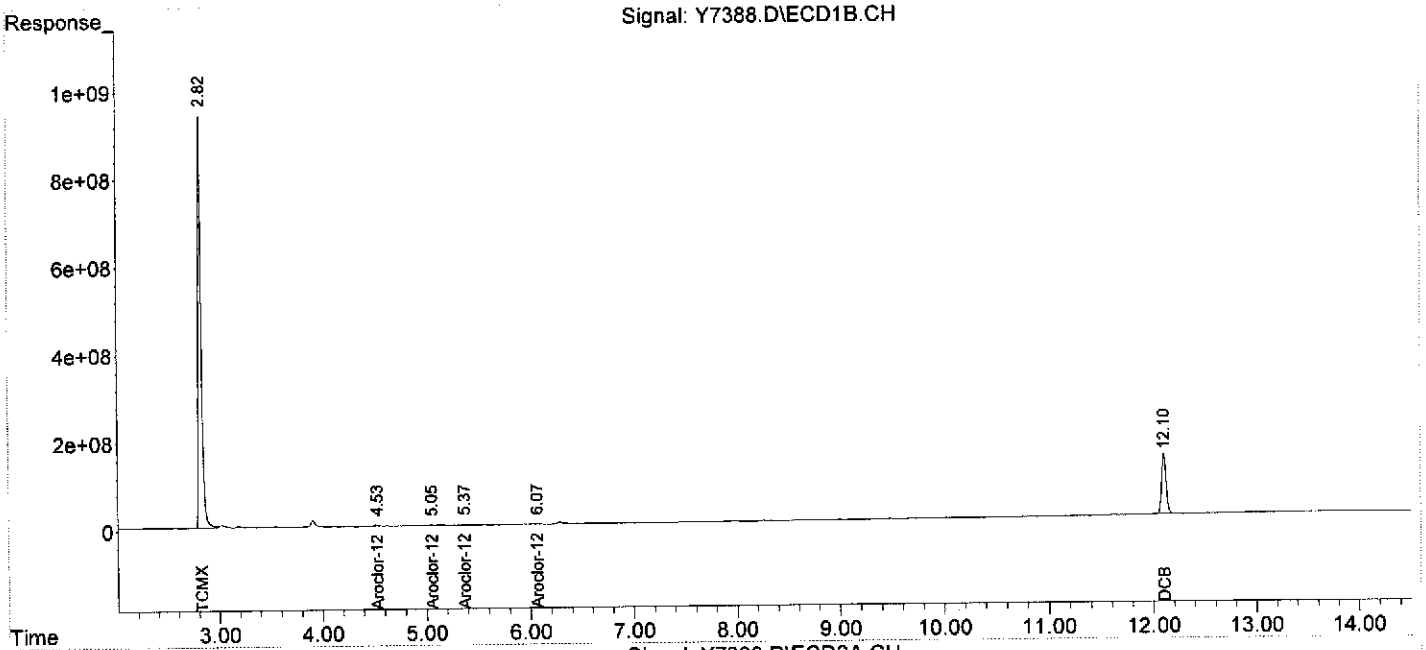
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

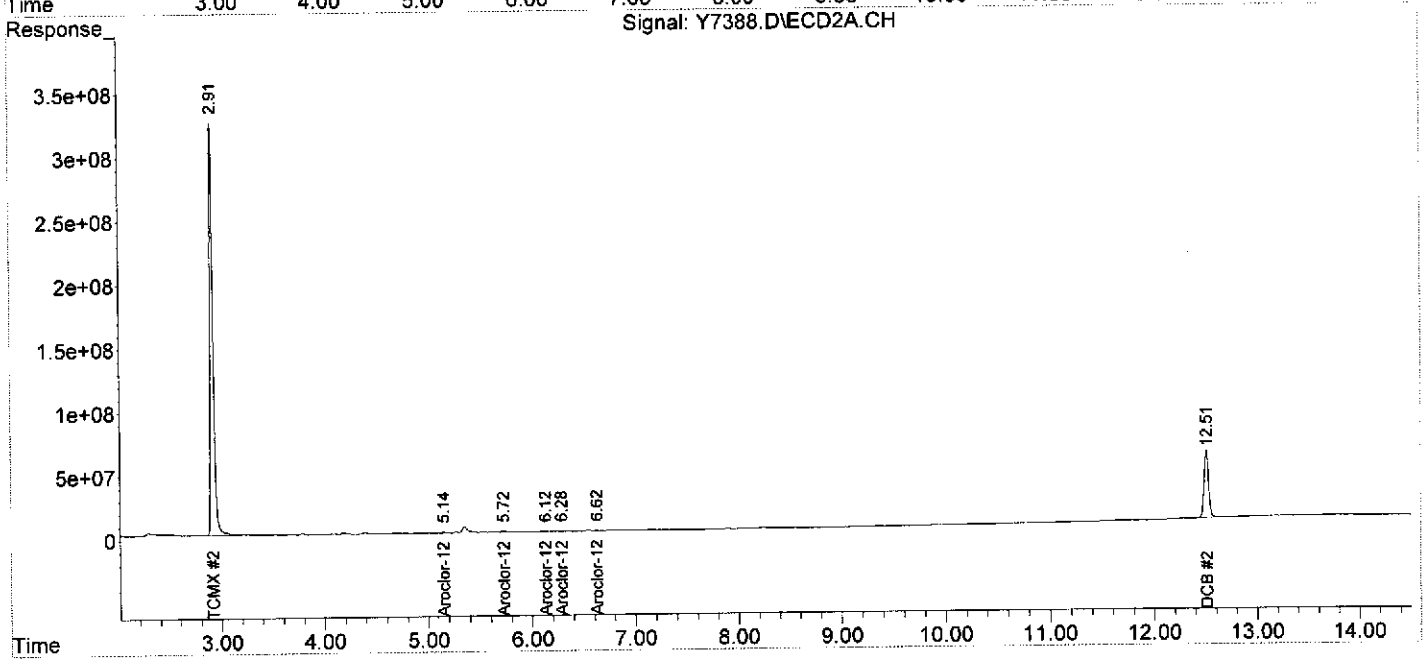
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7388.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 15:19
Operator : YG
Sample : Q-19_(2.0-,07021-020,S,5.72g,23.8,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:14:09 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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\07-24-12\
Data File : Y7389.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 15:36
Operator : YG
Sample : Q-19_(4.0-,07021-021,S,5.95g,31.5,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:17:35 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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	22015.5E6	7588.4E6	232.666	241.429
Spiked Amount 200.000			Recovery	=	116.33%	120.71%
2) S DCB	12.11	12.51	4341.4E6	1728.7E6	223.074m	226.792m
Spiked Amount 200.000			Recovery	=	111.54%	113.40%
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

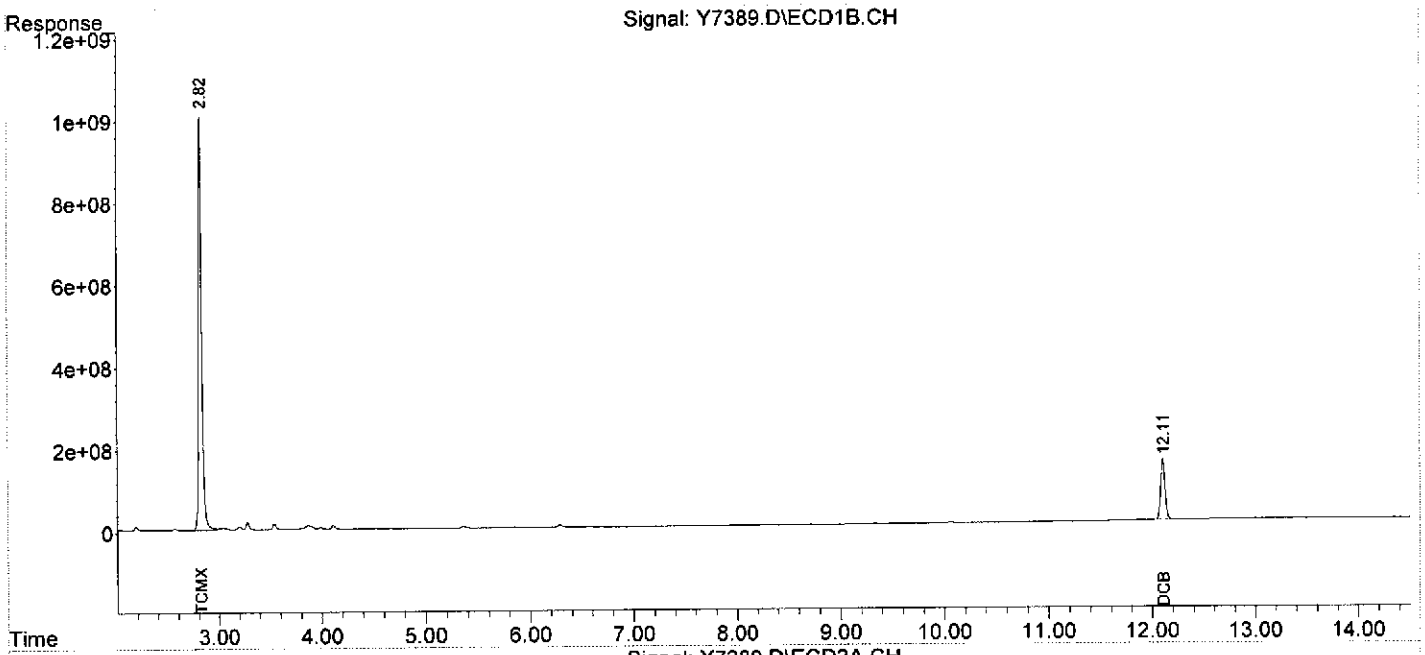
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

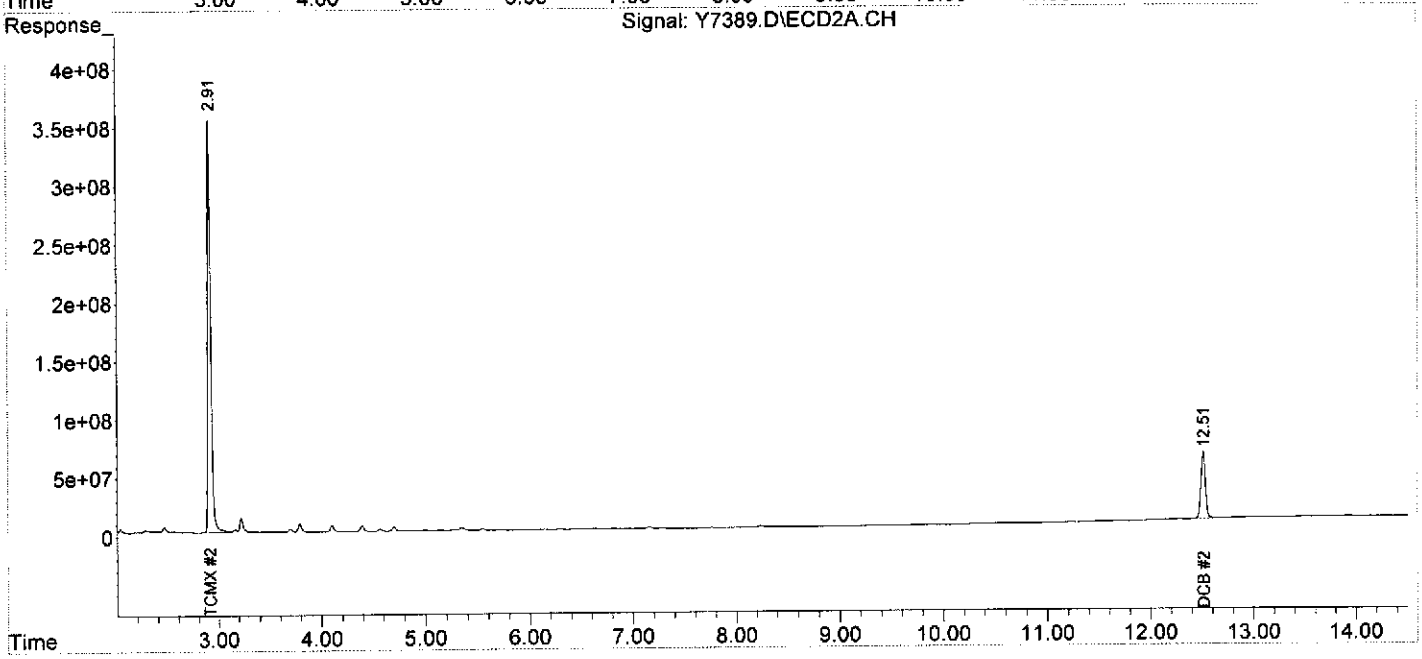
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7389.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 15:36
Operator : YG
Sample : Q-19_(4.0-,07021-021,S,5.95g,31.5,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:17:35 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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\07-24-12\
Data File : Y7390.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 15:53
Operator : YG
Sample : T-27_(0-2.,07021-022,S,5.36g,9.50,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:18:35 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.82	2.92	19324.3E6	6686.4E6	204.224	212.731
Spiked Amount 200.000			Recovery	=	102.11%	106.37%
2) S DCB	12.11	12.51	3964.4E6	1465.7E6	203.701m	192.286m
Spiked Amount 200.000			Recovery	=	101.85%	96.14%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.15	34499298	14399648	8.140	10.930 #
24) L6 Aroclor-1248 {2}	5.05	5.72	31580438	35155101	13.067	18.039 #
25) L6 Aroclor-1248 {3}	5.37	6.13	41239031	26042794	12.744	18.425 #
26) L6 Aroclor-1248 {4}	6.07	6.28	81443667	21832180	15.782	18.112
27) L6 Aroclor-1248 {5}	6.34	6.63	53879205	9382445	12.999	14.208
Sum Aroclor-1248			242.6E6	106.8E6	62.731	79.714
Average Aroclor-1248					12.546	15.943
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.33	7.89	50974569	26334972	7.155	28.899 #
34) L8 Aroclor-1260 {2}	9.01	8.15	26725759	18566327	7.964	13.717 #
35) L8 Aroclor-1260 {3}	9.48	9.73	83558251	13626171	10.245	12.612m
36) L8 Aroclor-1260 {4}	9.97	10.24	53208584	34627500	12.577	14.970m
37) L8 Aroclor-1260 {5}	11.02	10.83	33297617	20769998	20.871m	12.156m#
Sum Aroclor-1260			247.8E6	113.9E6	58.812	82.354
Average Aroclor-1260					11.762	16.471
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\07-24-12\
Data File : Y7390.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 15:53
Operator : YG
Sample : T-27_(0-2.,07021-022,S,5.36g,9.50,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:18:35 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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

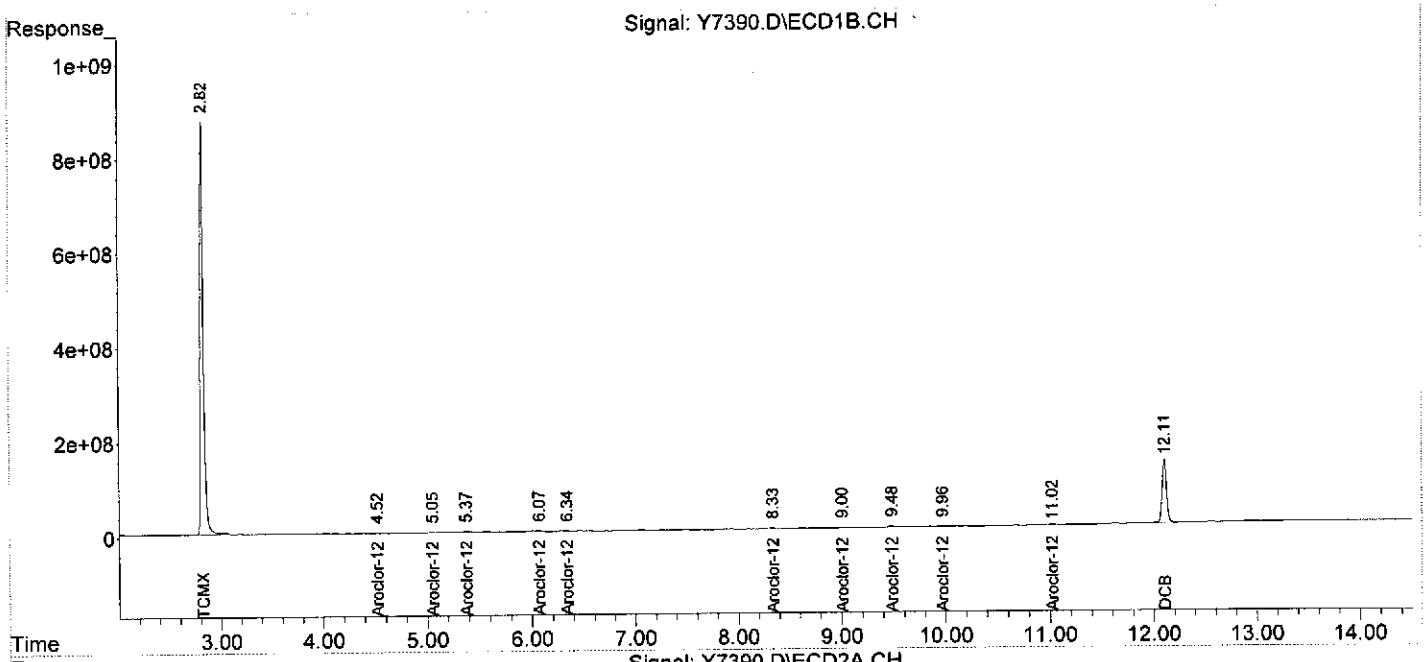
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

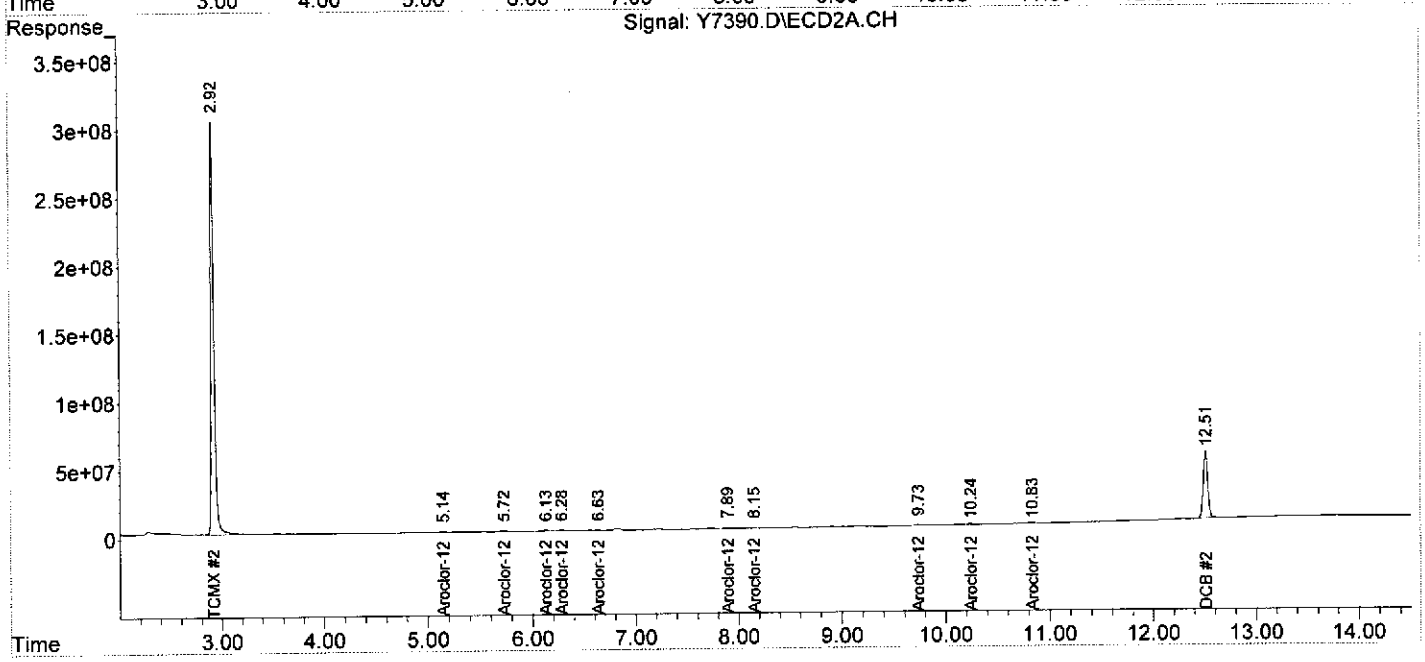
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7390.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 15:53
Operator : YG
Sample : T-27_(0-2.,07021-022,S,5.36g,9.50,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:18:35 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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\07-24-12\
Data File : Y7391.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 16:11
Operator : YG
Sample : T-27_(2.0-,07021-023,S,5.16g,14.2,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:20:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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	21121.1E6	7523.6E6	223.213	239.369
Spiked Amount 200.000			Recovery	=	111.61%	119.68%
2) S DCB	12.10	12.51	4451.1E6	1697.8E6	228.713m	222.740m
Spiked Amount 200.000			Recovery	=	114.36%	111.37%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.14	255.2E6	99385935	60.208	75.438 #
24) L6 Aroclor-1248 {2}	5.05	5.72	216.9E6	223.5E6	89.766	114.707 #
25) L6 Aroclor-1248 {3}	5.37	6.13	282.5E6	180.1E6	87.300	127.397 #
26) L6 Aroclor-1248 {4}	6.07	6.28	656.8E6	136.9E6	127.263	113.591
27) L6 Aroclor-1248 {5}	6.33	6.63	477.6E6	88711684	115.237	134.340
Sum Aroclor-1248			1889.0E6	728.6E6	479.775	565.474
Average Aroclor-1248					95.955	113.095
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.33	7.89	443.4E6	201.6E6	62.235	221.276 #
34) L8 Aroclor-1260 {2}	9.01	8.14	229.0E6	146.3E6	68.233	108.108 #
35) L8 Aroclor-1260 {3}	9.48	9.73	633.6E6	108.2E6	77.678	100.115 #
36) L8 Aroclor-1260 {4}	9.96	10.24	224.4E6	262.6E6	53.041	113.515 #
37) L8 Aroclor-1260 {5}	11.02	10.83	181.3E6	197.0E6	113.633m	115.266
Sum Aroclor-1260			1711.6E6	915.7E6	374.819	658.280
Average Aroclor-1260					74.964	131.656
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\07-24-12\
Data File : Y7391.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 16:11
Operator : YG
Sample : T-27_(2.0-,07021-023,S,5.16g,14.2,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:20:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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

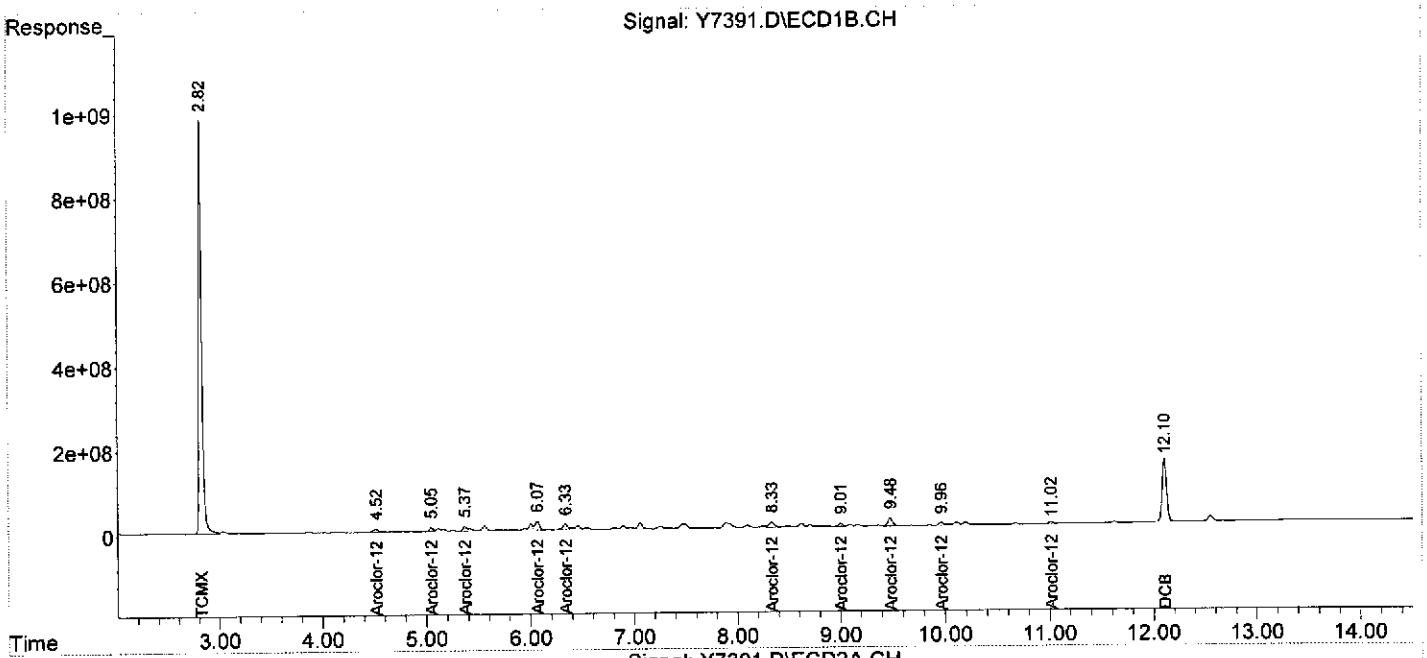
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

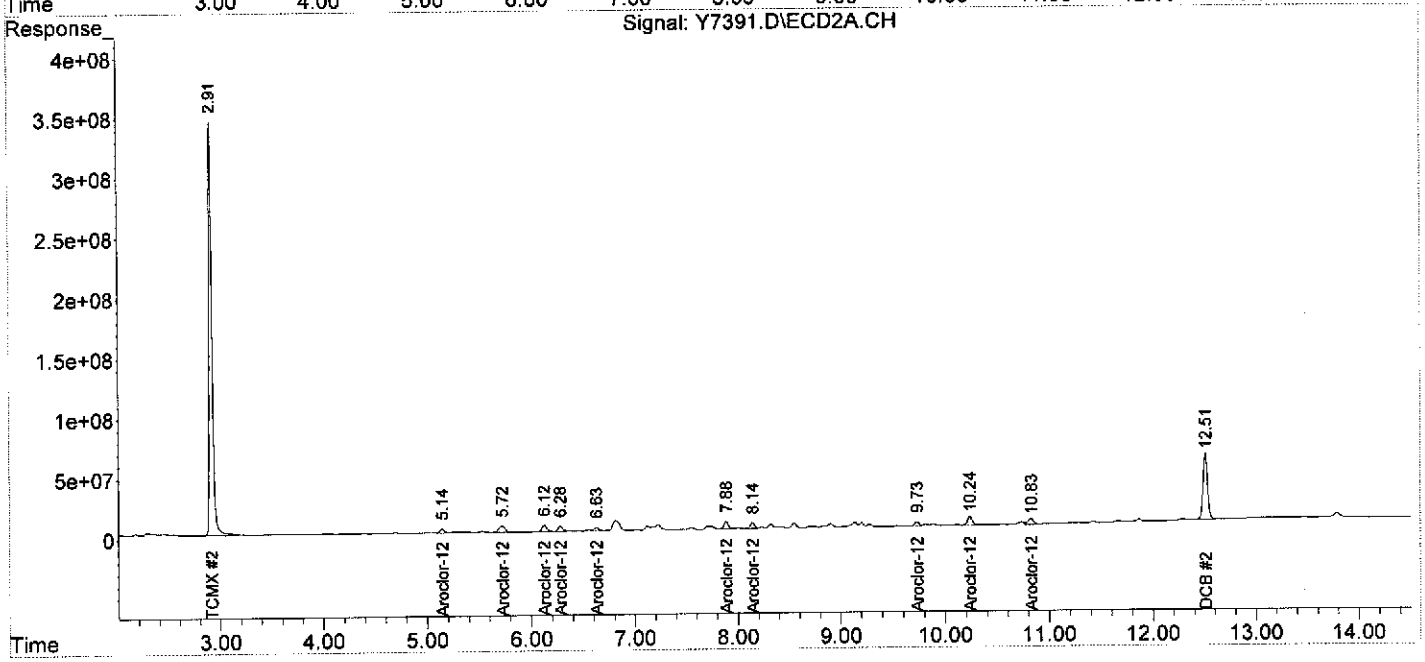
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7391.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 16:11
Operator : YG
Sample : T-27_(2.0-,07021-023,S,5.16g,14.2,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:20:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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\07-24-12\
Data File : Y7392.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 16:28
Operator : YG
Sample : T-27_(4.0-,07021-024,S,5.67g,60.3,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:22:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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	22509.5E6	7813.9E6	237.886	248.605
Spiked Amount 200.000			Recovery	=	118.94%	124.30%
2) S DCB	12.11	12.51	4423.0E6	1778.7E6	227.266m	233.352m
Spiked Amount 200.000			Recovery	=	113.63%	116.68%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

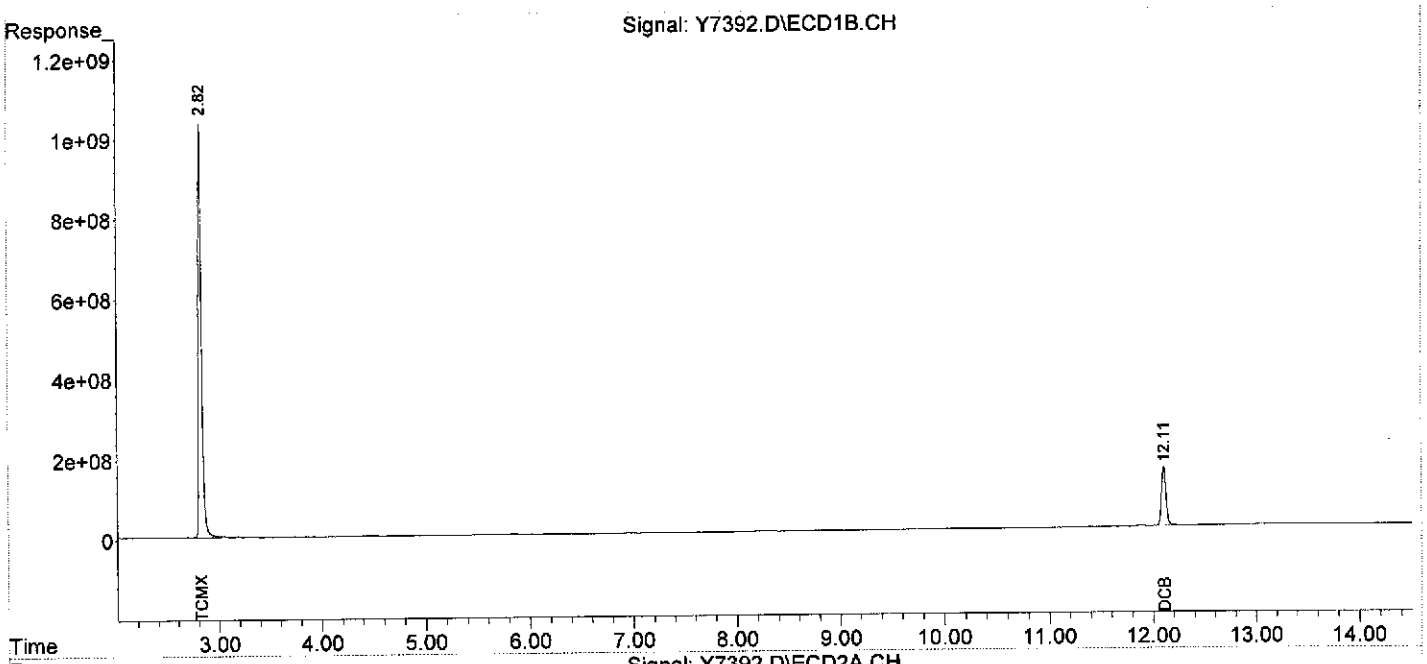
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

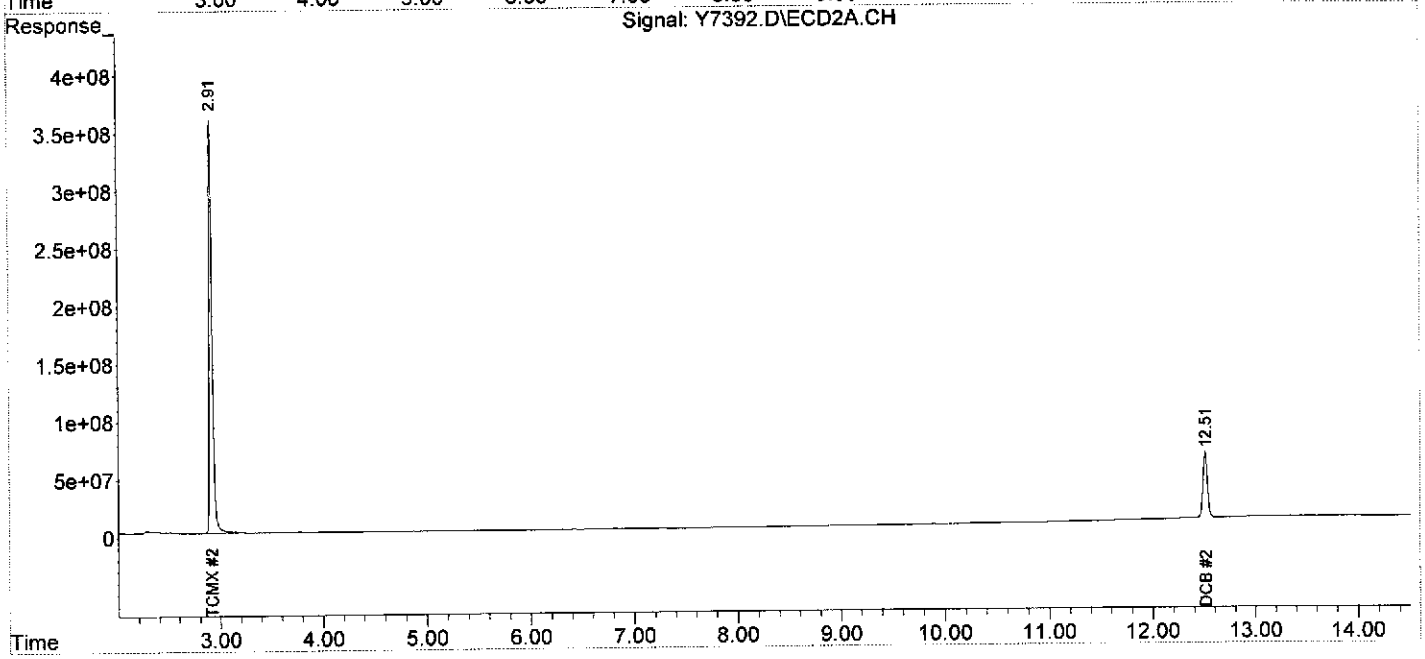
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7392.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 16:28
Operator : YG
Sample : T-27_(4.0-,07021-024,S,5.67g,60.3,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:22:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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\07-24-12\
Data File : Y7393.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 16:45
Operator : YG
Sample : T-28_(0-2.,07021-025,S,5.68g,17.9,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:24:25 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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	15926.2E6	6510.9E6	168.312	207.150
Spiked Amount 200.000			Recovery	=	84.16%	103.57%
2) S DCB	12.10	12.51	3558.1E6	1453.1E6	182.828m	190.635m
Spiked Amount 200.000			Recovery	=	91.41%	95.32%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.14	3797.7E6	1521.3E6	896.090	1154.693 #
24) L6 Aroclor-1248 {2}	5.04	5.73	1122.7E6	1976.4E6	464.550	1014.116 #
25) L6 Aroclor-1248 {3}	5.37	6.12	4137.3E6	1639.9E6	1278.507	1160.221
26) L6 Aroclor-1248 {4}	6.06	6.28	5137.1E6	1321.7E6	995.438	1096.474
27) L6 Aroclor-1248 {5}	6.33	6.63	5237.7E6	972.8E6	1263.651	1473.198
Sum Aroclor-1248			19432.6E6	7432.0E6	4898.235	5898.702
Average Aroclor-1248					979.647	1179.740
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.33	7.88	3875.2E6	1613.2E6	543.960m	1770.269m#
34) L8 Aroclor-1260 {2}	9.00	8.14	1614.6E6	1116.7E6	481.132m	825.025 #
35) L8 Aroclor-1260 {3}	9.48	9.73	3963.1E6	797.0E6	485.893m	737.665 #
36) L8 Aroclor-1260 {4}	9.96	10.24	1694.6E6	1502.1E6	400.549m	649.393 #
37) L8 Aroclor-1260 {5}	11.01	10.82	1127.3E6	1204.6E6	706.628m	704.988
Sum Aroclor-1260			12274.8E6	6233.6E6	2618.163	4687.339
Average Aroclor-1260					523.633	937.468
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\07-24-12\
Data File : Y7393.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 16:45
Operator : YG
Sample : T-28_(0-2.,07021-025,S,5.68g,17.9,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:24:25 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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

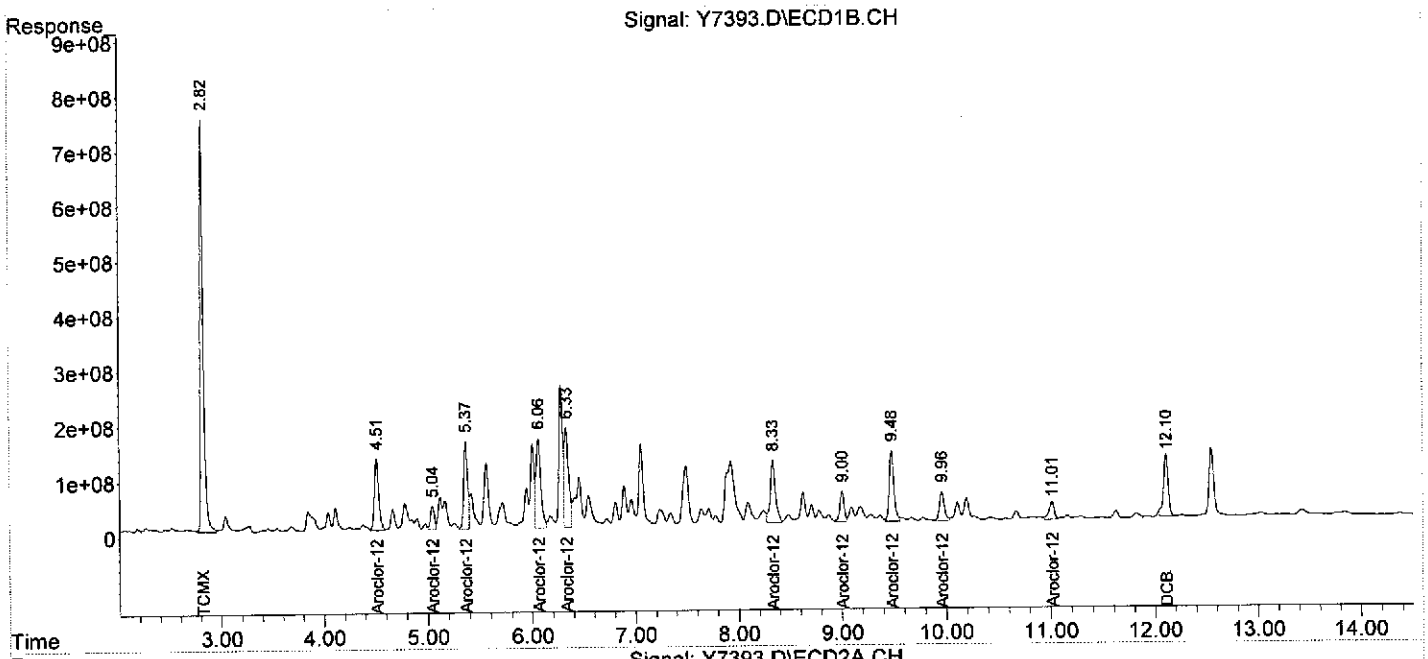
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

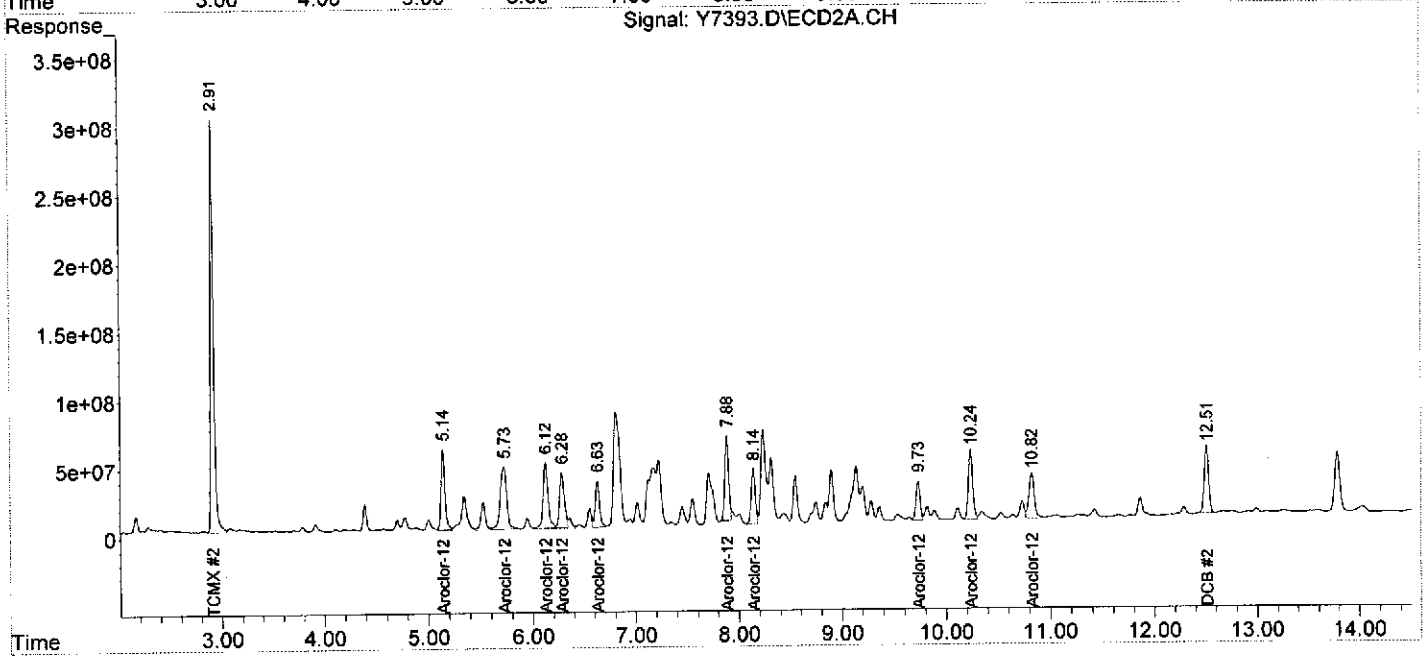
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7393.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 16:45
Operator : YG
Sample : T-28_(0-2.,07021-025,S,5.68g,17.9,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:24:25 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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\07-24-12\
Data File : Y7394.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 17:02
Operator : YG
Sample : T-28_(2.0-,07021-026,S,5.00g,16.6,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:24:56 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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	18943.1E6	7041.6E6	200.196	224.032
Spiked Amount 200.000			Recovery	=	100.10%	112.02%
2) S DCB	12.11	12.51	3960.4E6	1556.4E6	203.500m	204.187m
Spiked Amount 200.000			Recovery	=	101.75%	102.09%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

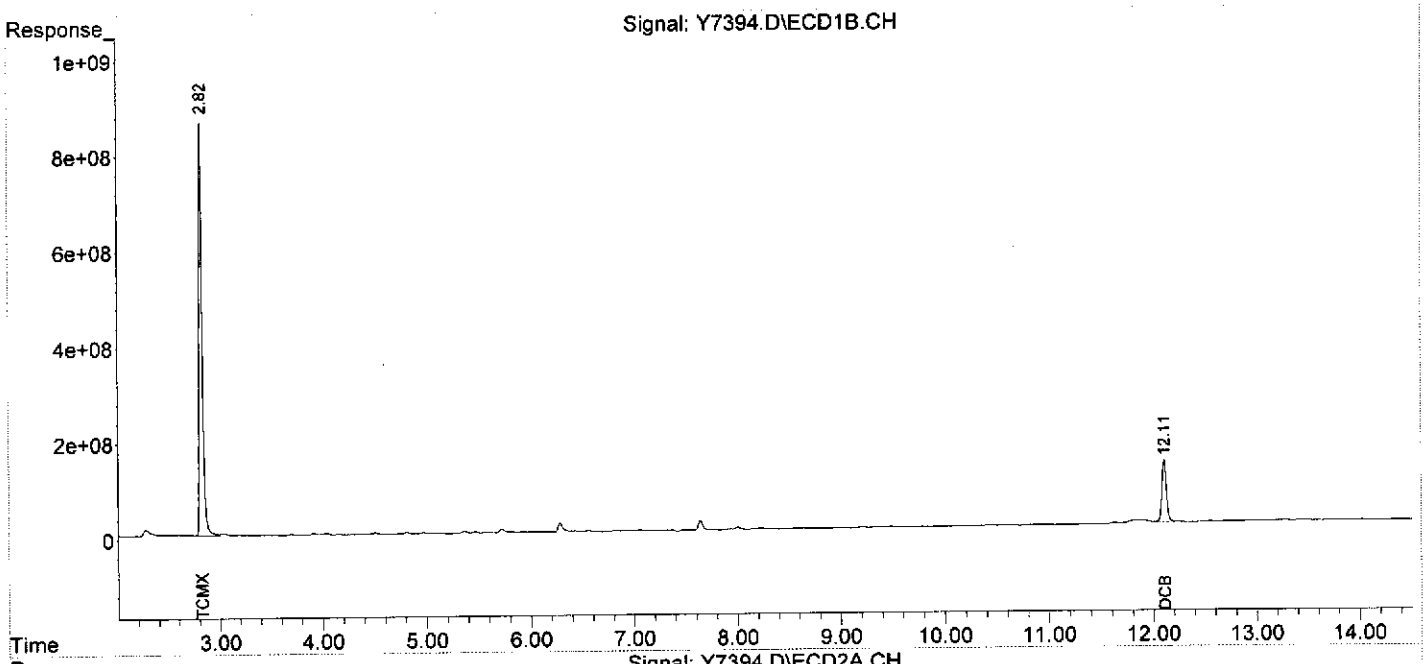
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

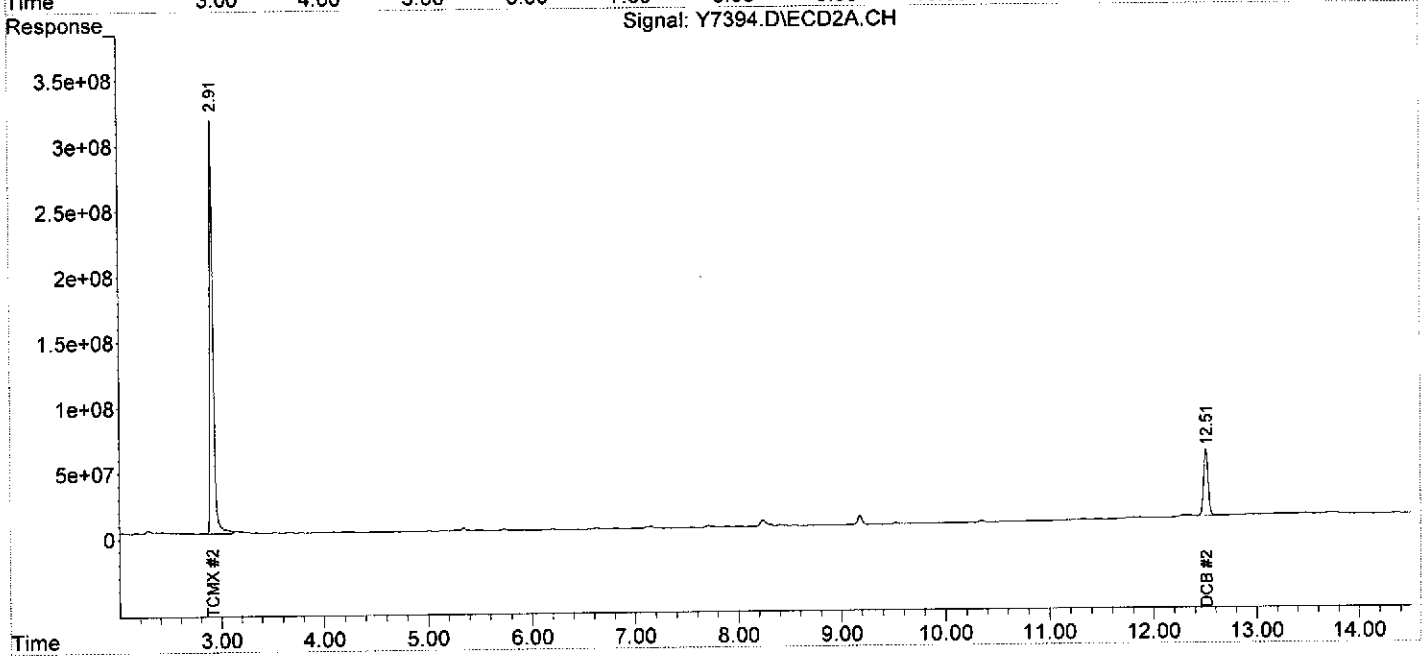
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7394.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 17:02
Operator : YG
Sample : T-28_(2.0-,07021-026,S,5.00g,16.6,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:24:56 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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\07-24-12\
Data File : Y7395.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 17:19
Operator : YG
Sample : T-28_(4.0-,07021-027,S,5.32g,41.6,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:25:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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	24611.8E6	8962.3E6	260.104	285.142
Spiked Amount 200.000			Recovery	=	130.05%	142.57%
2) S DCB	12.11	12.51	5377.9E6	2097.3E6	276.332m	275.152m
Spiked Amount 200.000			Recovery	=	138.17%	137.58%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

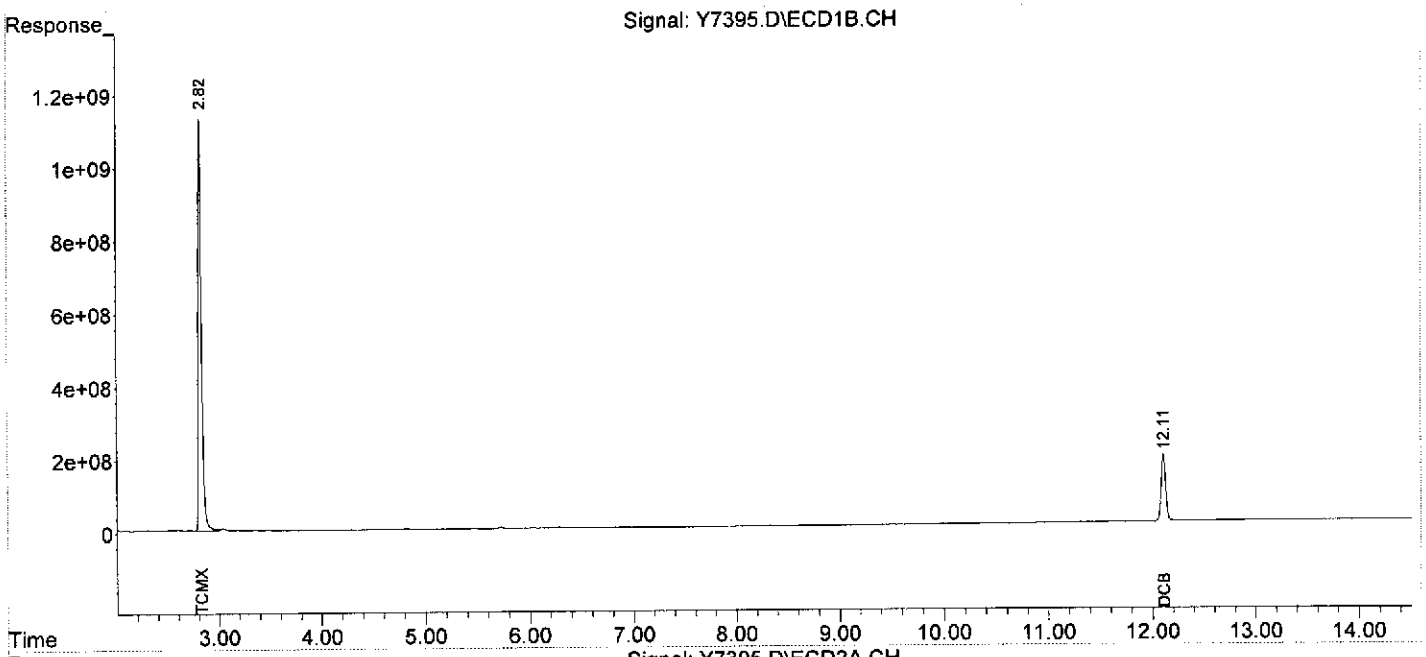
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

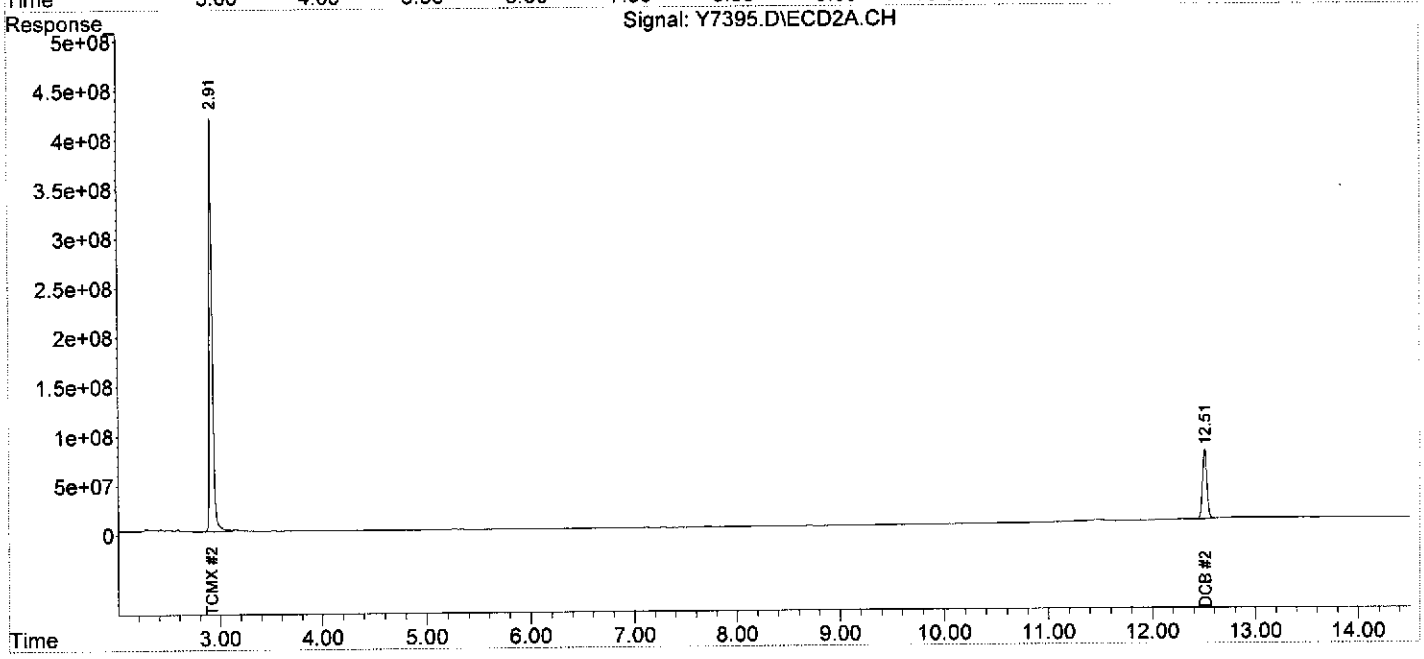
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7395.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 17:19
Operator : YG
Sample : T-28_(4.0-,07021-027,S,5.32g,41.6,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:25:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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 : Y7489.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Jul 2012 17:18
Operator : YG
Sample : U-27_(0-2.,07021-028,S,5.04g,13.4,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,100
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 16:28:10 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	4.52	5.14	3692.9E6	1242.7E6	837.603	779.580
24) L6 Aroclor-1248 {2}	5.05	5.73	1188.6E6	1597.4E6	490.408	681.899 #
25) L6 Aroclor-1248 {3}	5.37	6.13	528.5E6	420.7E6	172.222	248.373 #
26) L6 Aroclor-1248 {4}	6.06	6.27	787.5E6	391.2E6	141.294	269.122 #
27) L6 Aroclor-1248 {5}	6.34	6.63	533.6E6	88101761	128.109	104.929
Sum Aroclor-1248			6731.1E6	3740.2E6	1769.636	2083.903
Average Aroclor-1248					353.927	416.781
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

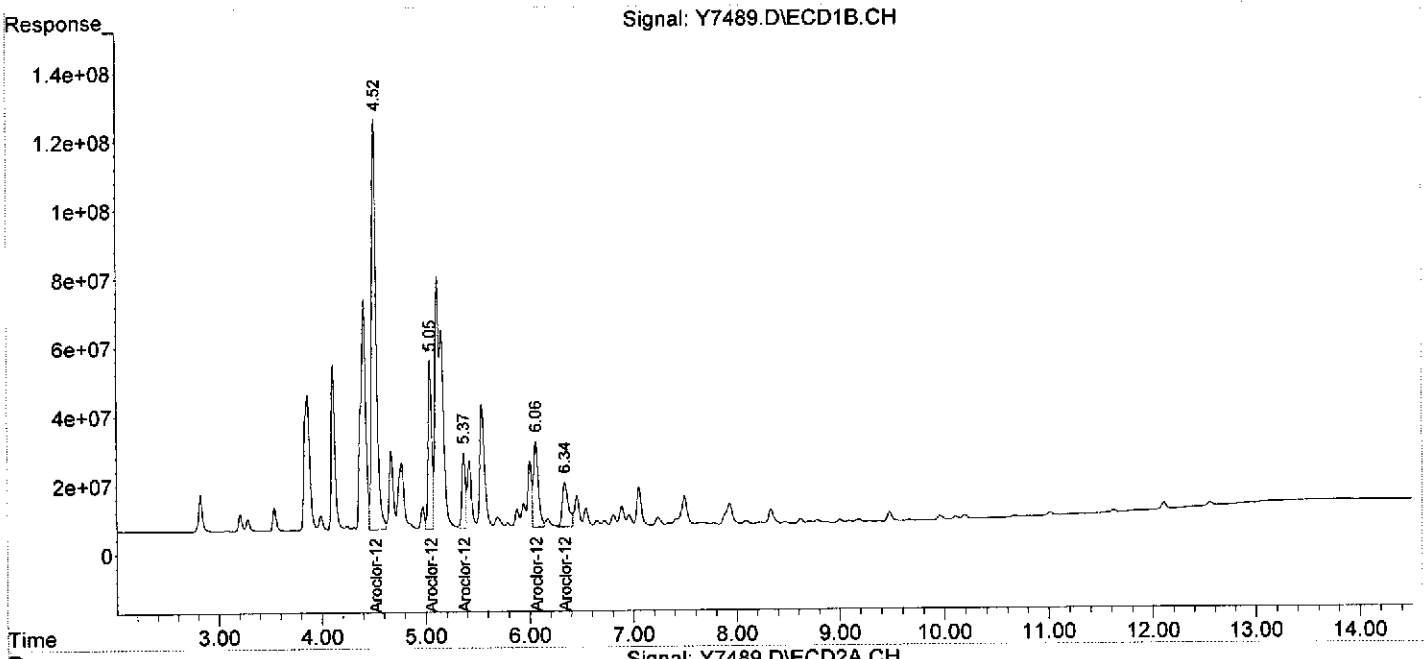
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

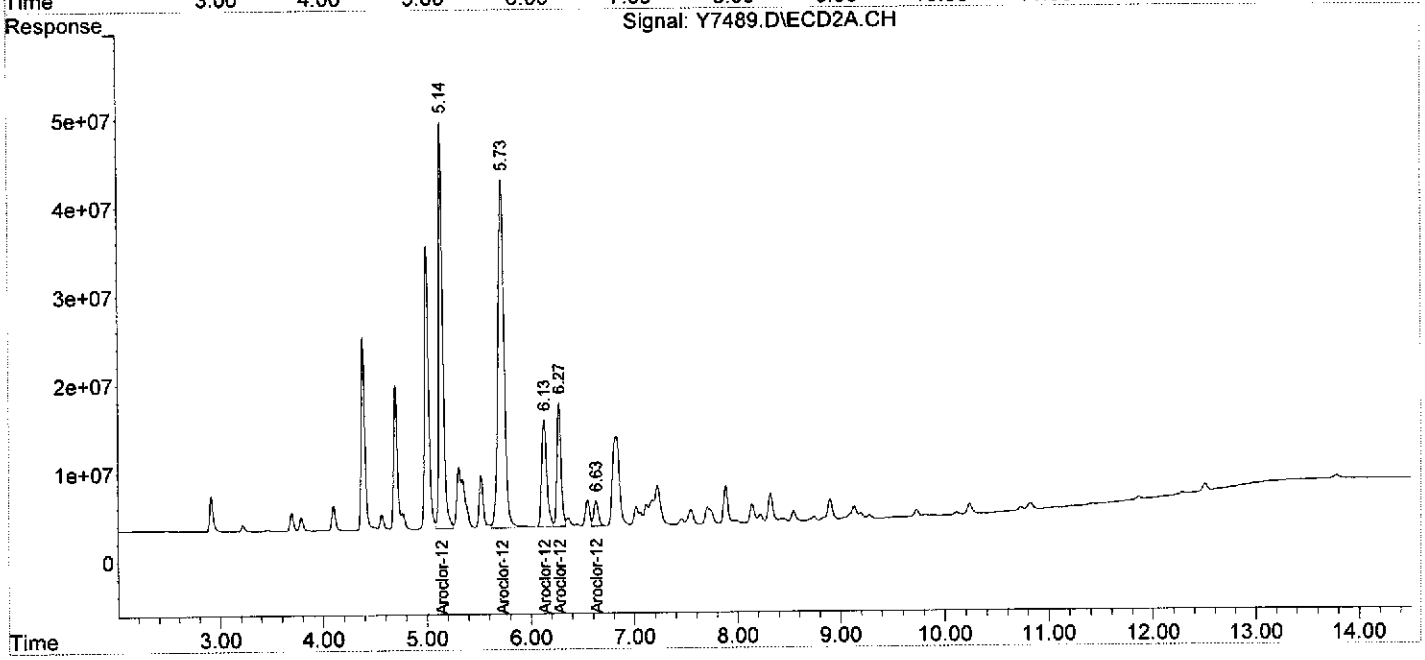
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7489.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Jul 2012 17:18
Operator : YG
Sample : U-27_(0-2.,07021-028,S,5.04g,13.4,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,100
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 16:28:10 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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\07-25-12\
Data File : Y7397.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 18:42
Operator : YG
Sample : U-27_(2.0-,07021-029,S,5.24g,28.1,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:28:05 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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		2.81	2.92	18615.5E6	7058.4E6	196.733	224.566	
Spiked Amount 200.000				Recovery	=	98.37%	112.28%	
2) S DCB		12.11	12.52	3058.7E6	1262.0E6	157.163m	165.570m	
Spiked Amount 200.000				Recovery	=	78.58%	82.78%	
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	5.15	1481.4E6	518.2E6	349.549	393.315	
24) L6 Aroclor-1248	{2}	5.04	5.74	1039.6E6	1280.1E6	430.157	656.851	#
25) L6 Aroclor-1248	{3}	5.36	6.14	1021.1E6	625.2E6	315.539	442.292	#
26) L6 Aroclor-1248	{4}	6.06	6.29	2082.6E6	493.3E6	403.544	409.217	
27) L6 Aroclor-1248	{5}	6.34	6.64	969.5E6	214.9E6	233.909	325.381	#
Sum Aroclor-1248				6594.2E6	3131.6E6	1732.699	2227.056	
Average Aroclor-1248						346.540	445.411	
Sum Aroclor-1254				0	0	N.D.	N.D.	
Average Aroclor-1254						0.000	0.000	
33) L8 Aroclor-1260		8.33	7.90	2166.3E6	912.8E6	304.088	1001.652	#
34) L8 Aroclor-1260	{2}	9.00	8.15	888.9E6	590.7E6	264.872	436.421	#
35) L8 Aroclor-1260	{3}	9.48	9.74	2663.7E6	580.0E6	326.584	536.868	#
36) L8 Aroclor-1260	{4}	9.96	10.25	1174.5E6	1053.3E6	277.610	455.388	#
37) L8 Aroclor-1260	{5}	11.01	10.83	715.4E6	793.3E6	448.433m	464.276	
Sum Aroclor-1260				7608.8E6	3930.2E6	1621.586	2894.606	
Average Aroclor-1260						324.317	578.921	
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\07-25-12\
Data File : Y7397.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 18:42
Operator : YG
Sample : U-27_(2.0-,07021-029,S,5.24g,28.1,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:28:05 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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

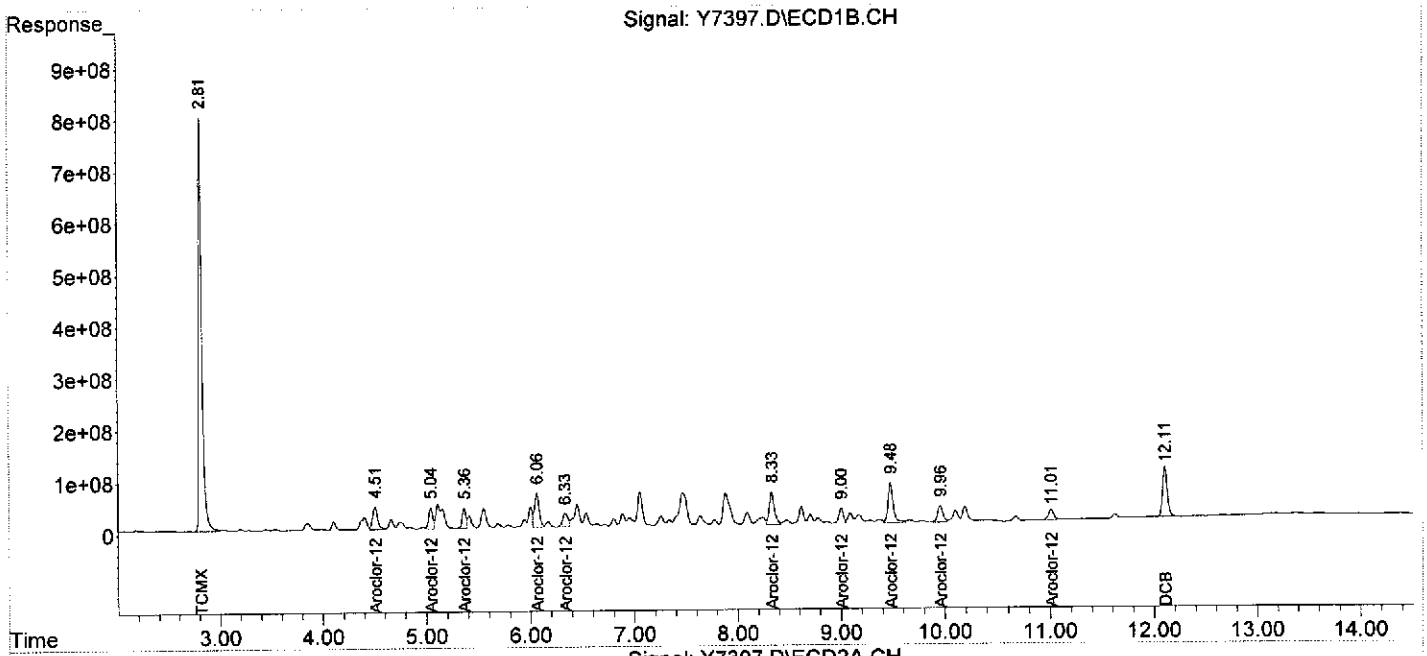
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

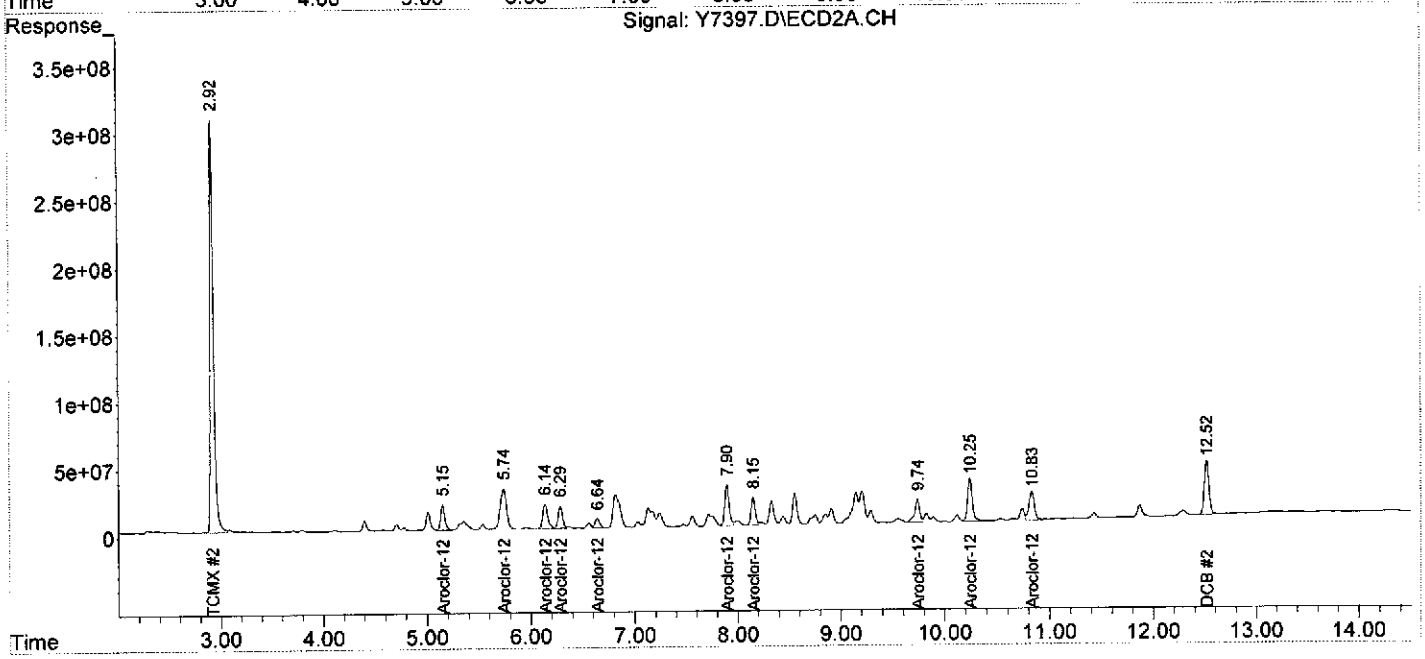
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7397.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 18:42
Operator : YG
Sample : U-27_(2.0-,07021-029,S,5.24g,28.1,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:28:05 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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\07-25-12\
Data File : Y7398.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 18:59
Operator : YG
Sample : U-27_(4.0-,07021-030,S,5.53g,16.6,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:28:51 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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	20638.0E6	7209.3E6	218.108	229.369	
Spiked Amount 200.000			Recovery	=	109.05%	114.68%	
2) S DCB	12.11	12.51	3912.4E6	1554.1E6	201.031m	203.881m	
Spiked Amount 200.000			Recovery	=	100.52%	101.94%	
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
23) L6 Aroclor-1248	4.51	5.14	101.2E6	39864656	23.875	30.259	#
24) L6 Aroclor-1248 {2}	5.05	5.73	74515913	87868631	30.832	45.087	#
25) L6 Aroclor-1248 {3}	5.37	6.13	101.2E6	55369250	31.270	39.173	#
26) L6 Aroclor-1248 {4}	6.07	6.28	192.4E6	41898406	37.274	34.759	
27) L6 Aroclor-1248 {5}	6.33	6.63	80046081	19838352	19.312	30.042	#
Sum Aroclor-1248			549.3E6	244.8E6	142.563	179.320	
Average Aroclor-1248					28.513	35.864	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
33) L8 Aroclor-1260	8.33	7.89	125.2E6	67355775	17.576	73.913	#
34) L8 Aroclor-1260 {2}	9.00	8.14	60470251	46591852	18.020	34.423	#
35) L8 Aroclor-1260 {3}	9.48	9.73	129.4E6	25011762	15.861m	23.150	#
36) L8 Aroclor-1260 {4}	9.96	10.24	73429001	58063260	17.356m	25.102	#
37) L8 Aroclor-1260 {5}	11.02	10.83	41898952	38030294	26.262m	22.257	
Sum Aroclor-1260			430.4E6	235.1E6	95.076	178.846	
Average Aroclor-1260					19.015	35.769	
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\07-25-12\
Data File : Y7398.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 18:59
Operator : YG
Sample : U-27_(4.0-,07021-030,S,5.53g,16.6,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:28:51 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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

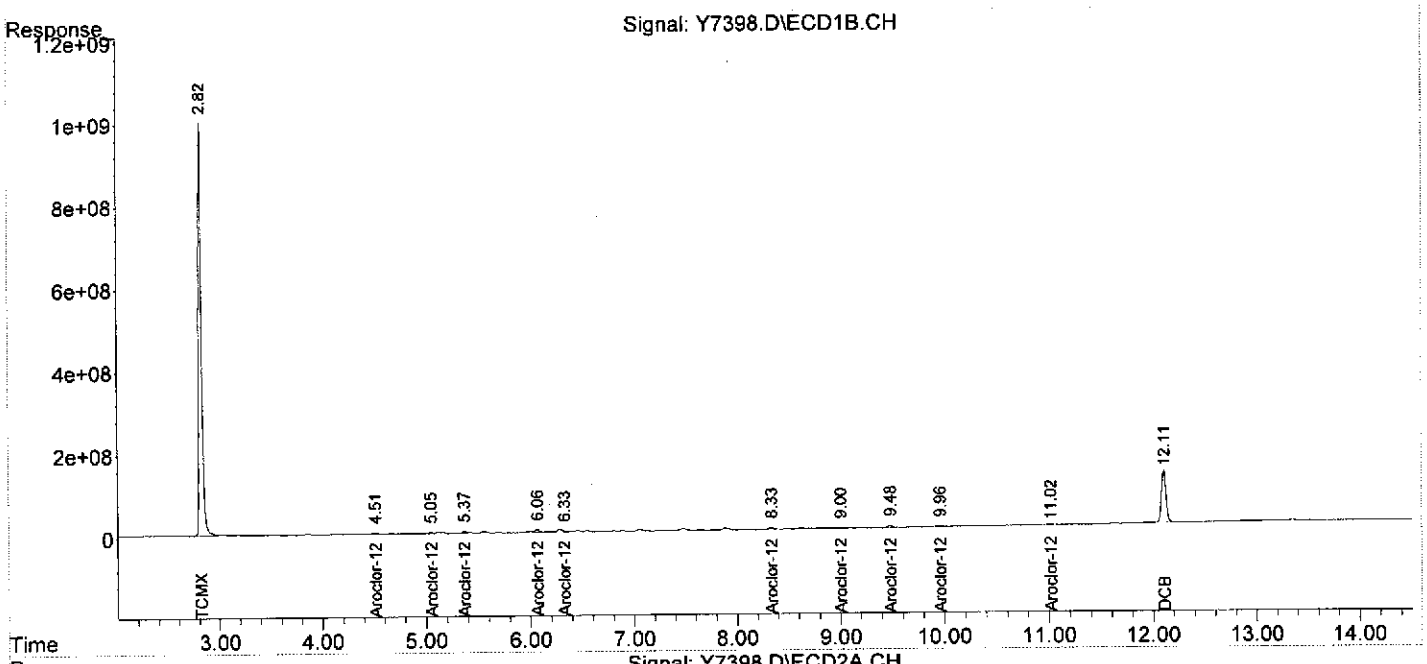
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

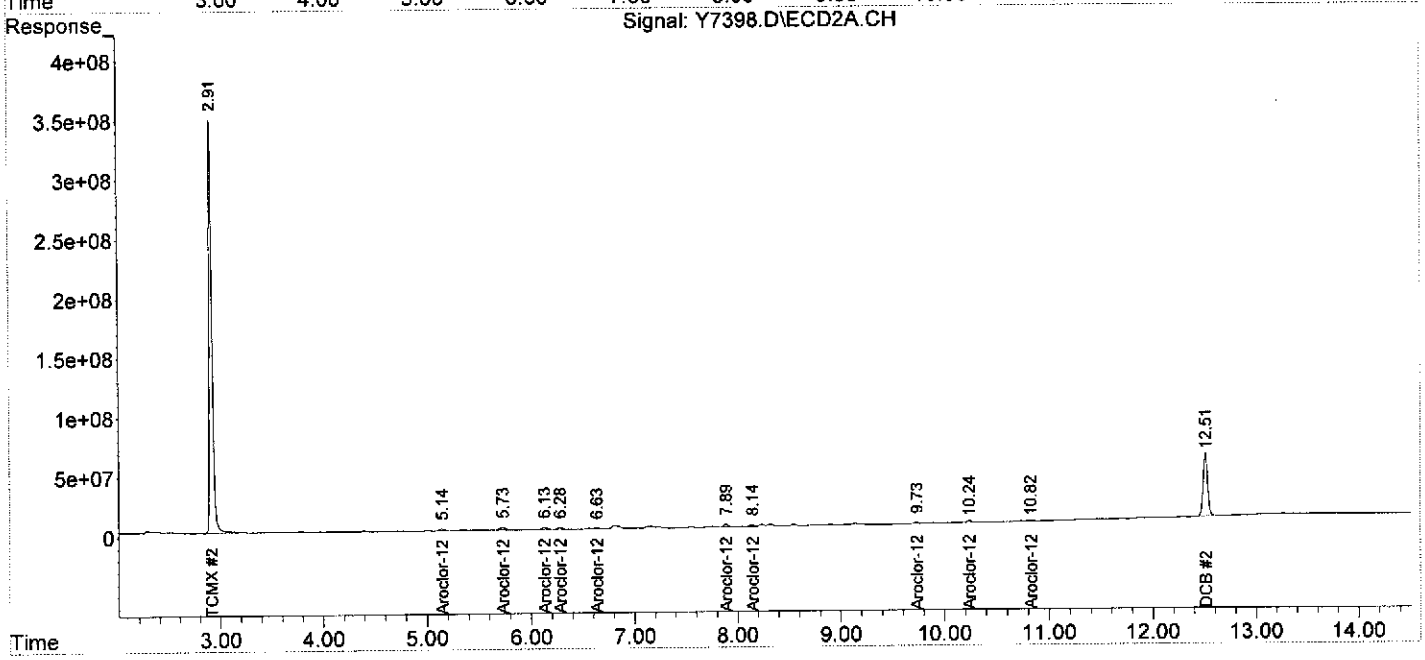
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7398.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 18:59
Operator : YG
Sample : U-27_(4.0-,07021-030,S,5.53g,16.6,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:28:51 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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\07-25-12\
Data File : Y7399.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 19:16
Operator : YG
Sample : U-28_(0-2.,07021-031,S,5.04g,10.5,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:40:45 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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	13924.9E6	5840.1E6	147.162	185.806 #
Spiked Amount 200.000			Recovery	=	73.58%	92.90%
2) S DCB	12.10	12.51	3155.7E6	1306.5E6	162.151	171.408
Spiked Amount 200.000			Recovery	=	81.08%	85.70%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.14	461.6E6	133.6E6	108.923	101.423
24) L6 Aroclor-1248 {2}	5.04	5.71	234.6E6	289.7E6	97.070	148.626 #
25) L6 Aroclor-1248 {3}	5.37	6.12	695.9E6	172.0E6	215.057	121.679 #
26) L6 Aroclor-1248 {4}	6.06	6.28	728.5E6	167.2E6	141.172	138.709
27) L6 Aroclor-1248 {5}	6.32	6.63	416.7E6	102.2E6	100.543m	154.749 #
Sum Aroclor-1248			2537.4E6	864.6E6	662.765	665.187
Average Aroclor-1248					132.553	133.037
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.33	7.89	1149.7E6	362.2E6	161.381	397.457 #
34) L8 Aroclor-1260 {2}	9.00	8.14	709.8E6	310.2E6	211.508	229.147
35) L8 Aroclor-1260 {3}	9.48	9.73	2128.8E6	326.6E6	261.004	302.282
36) L8 Aroclor-1260 {4}	9.96	10.24	1073.8E6	850.9E6	253.812m	367.886 #
37) L8 Aroclor-1260 {5}	11.01	10.82	492.0E6	612.0E6	308.373	358.145
Sum Aroclor-1260			5554.1E6	2461.8E6	1196.079	1654.919
Average Aroclor-1260					239.216	330.984
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\07-25-12\
Data File : Y7399.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 19:16
Operator : YG
Sample : U-28_(0-2.,07021-031,S,5.04g,10.5,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:40:45 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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

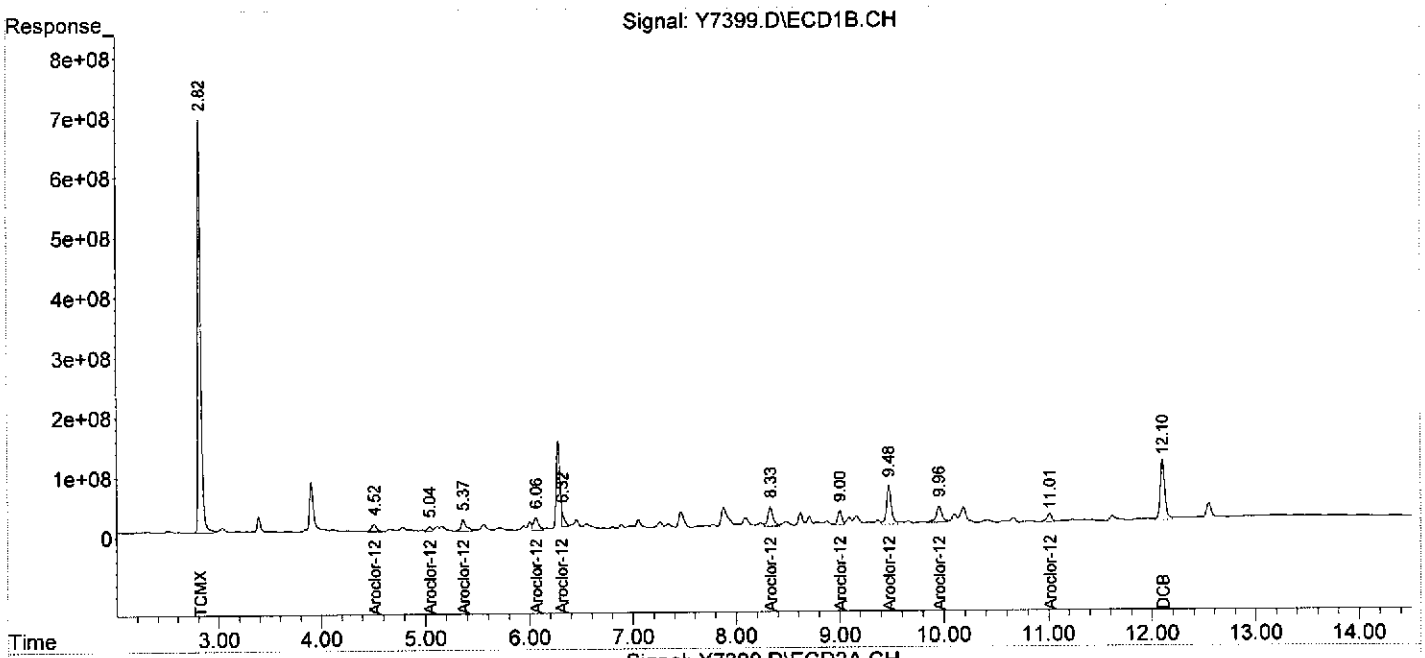
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

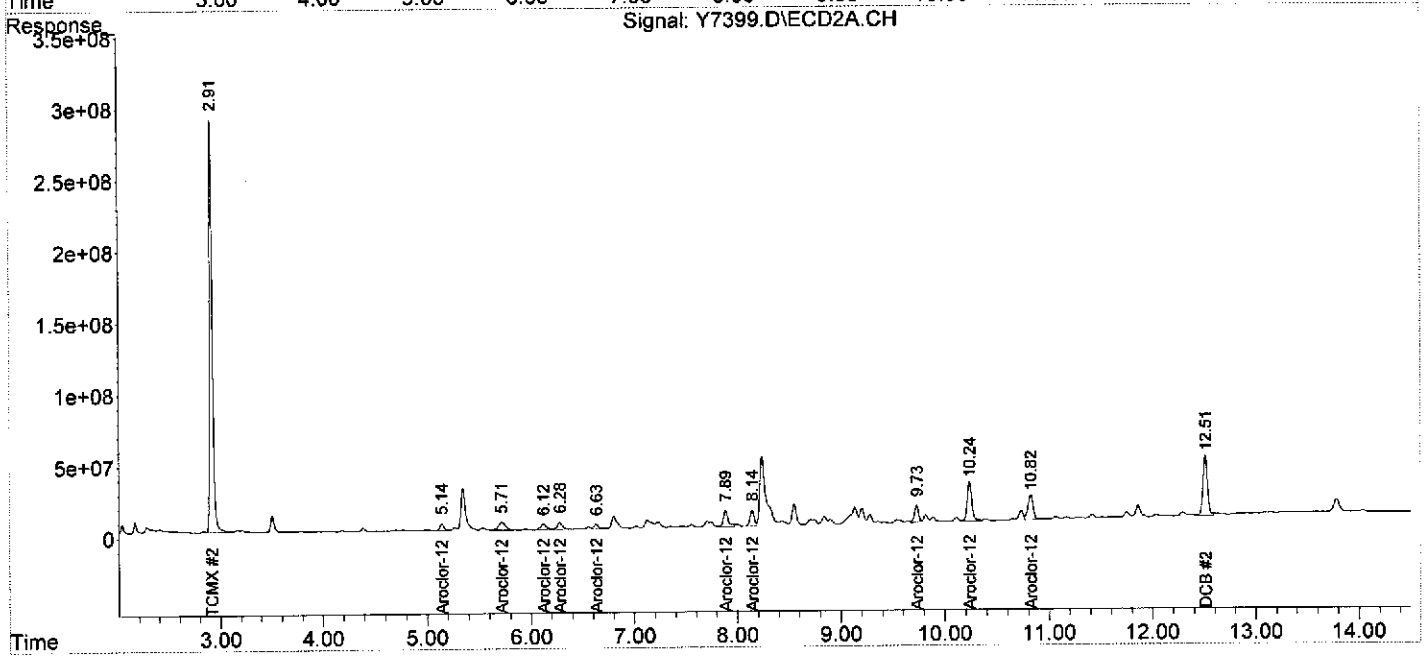
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7399.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 19:16
Operator : YG
Sample : U-28_(0-2.,07021-031,S,5.04g,10.5,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:40:45 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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\07-25-12\
Data File : Y7400.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 19:33
Operator : YG
Sample : U-28_(2.0-,07021-032,S,5.36g,43.4,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:41:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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	20733.7E6	7481.1E6	219.119	238.018
Spiked Amount 200.000			Recovery	=	109.56%	119.01%
2) S DCB	12.10	12.51	3927.5E6	1659.3E6	201.807m	217.683m
Spiked Amount 200.000			Recovery	=	100.90%	108.84%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

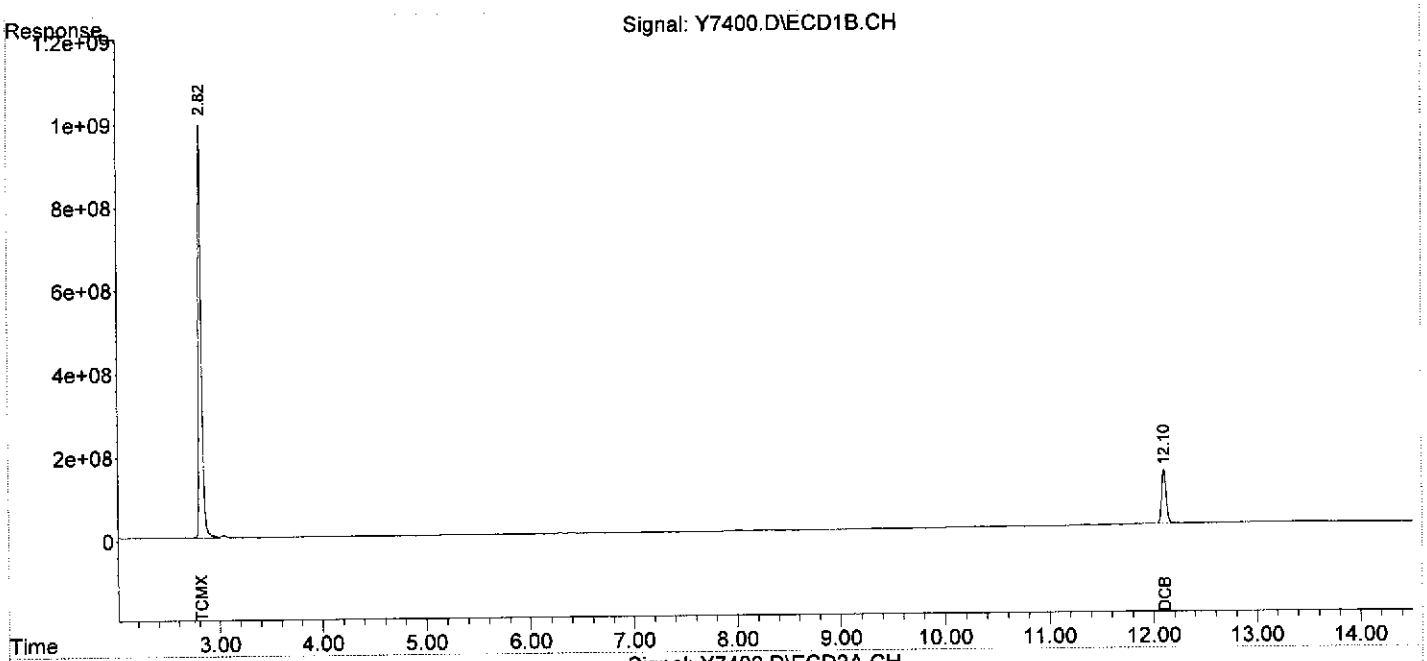
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

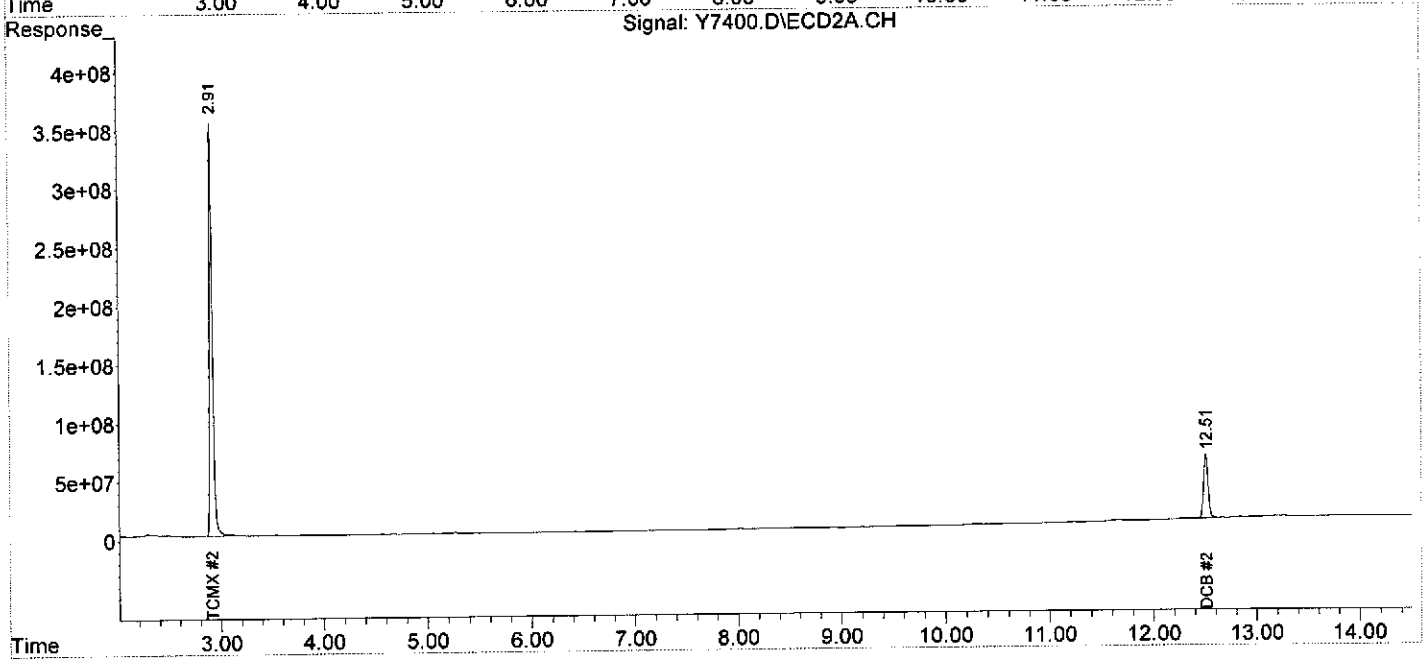
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7400.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 19:33
Operator : YG
Sample : U-28_(2.0-,07021-032,S,5.36g,43.4,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:41:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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\07-25-12\
Data File : Y7401.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 19:50
Operator : YG
Sample : U-28_(4.0-,07021-033,S,5.50g,20.7,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:41:45 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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	20785.1E6	7209.0E6	219.662	229.361
Spiked Amount 200.000			Recovery	=	109.83%	114.68%
2) S DCB	12.10	12.51	3827.4E6	1594.2E6	196.662m	209.145m
Spiked Amount 200.000			Recovery	=	98.33%	104.57%
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

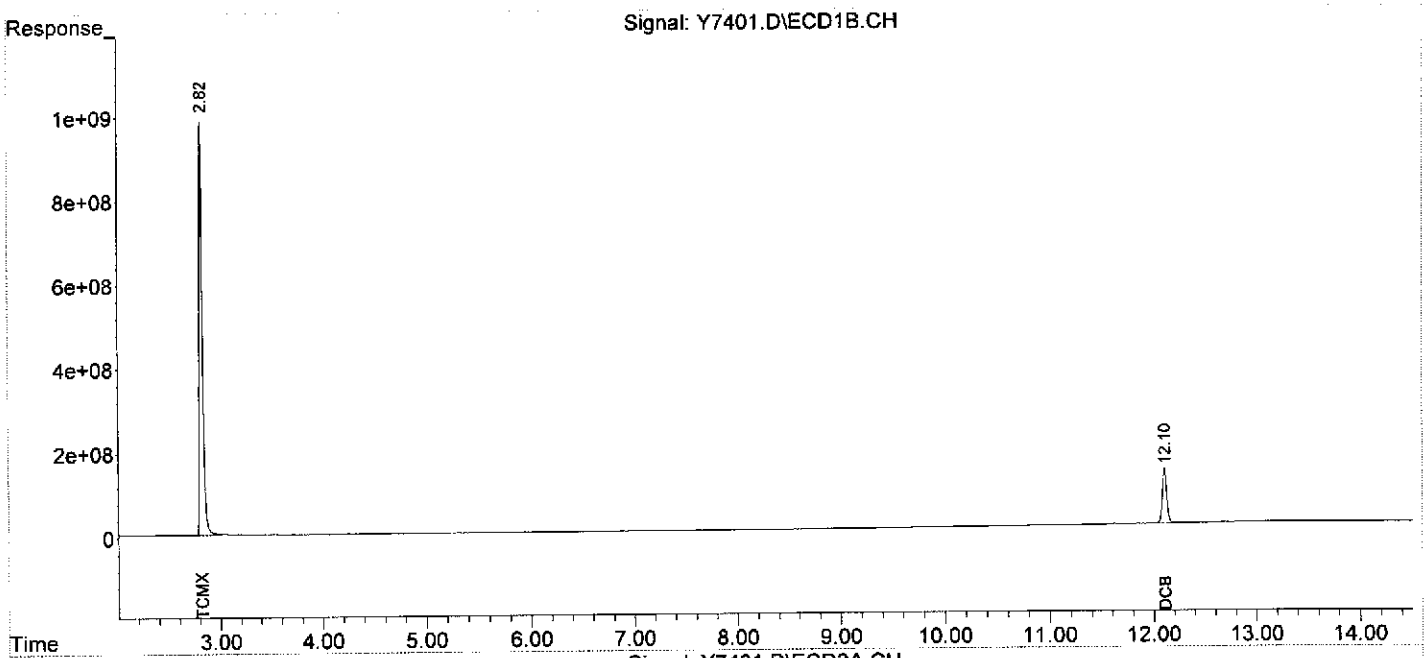
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

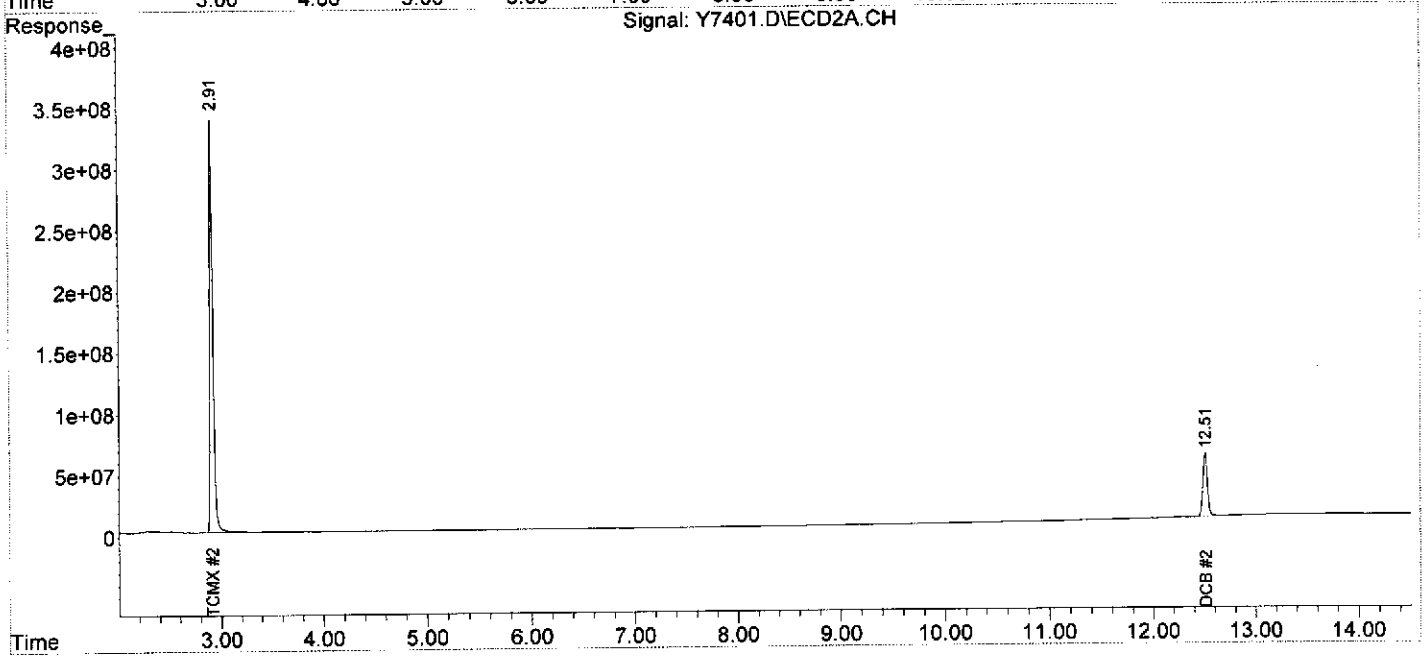
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7401.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 19:50
Operator : YG
Sample : U-28_(4.0-,07021-033,S,5.50g,20.7,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:41:45 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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 : Y7490.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Jul 2012 17:36
Operator : YG
Sample : T-30_(0-2.,07021-034,S,5.29g,20.7,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,10
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 16:29:59 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	2041.6E6	735.3E6	21.475	21.036
Spiked Amount 200.000			Recovery =		10.74%	10.52%
2) S DCB	12.11	12.50	525.2E6	174.8E6	25.487m	20.342m
Spiked Amount 200.000			Recovery =		12.74%	10.17%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
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	8.33	7.89	9640.7E6	1846.9E6	1327.282m	1717.420 #
34) L8 Aroclor-1260 {2}	9.00	8.14	6277.0E6	2333.7E6	1980.776m	1472.686 #
35) L8 Aroclor-1260 {3}	9.48	9.73	16370.3E6	2816.8E6	1983.618m	2126.175
36) L8 Aroclor-1260 {4}	9.96	10.24	7776.0E6	6825.6E6	1881.536	2365.152 #
37) L8 Aroclor-1260 {5}	11.01	10.82	3117.2E6	4866.7E6	1852.144m	2394.425 #
Sum Aroclor-1260			43181.2E6	18689.7E6	9025.354	10075.858
Average Aroclor-1260					1805.071	2015.172
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

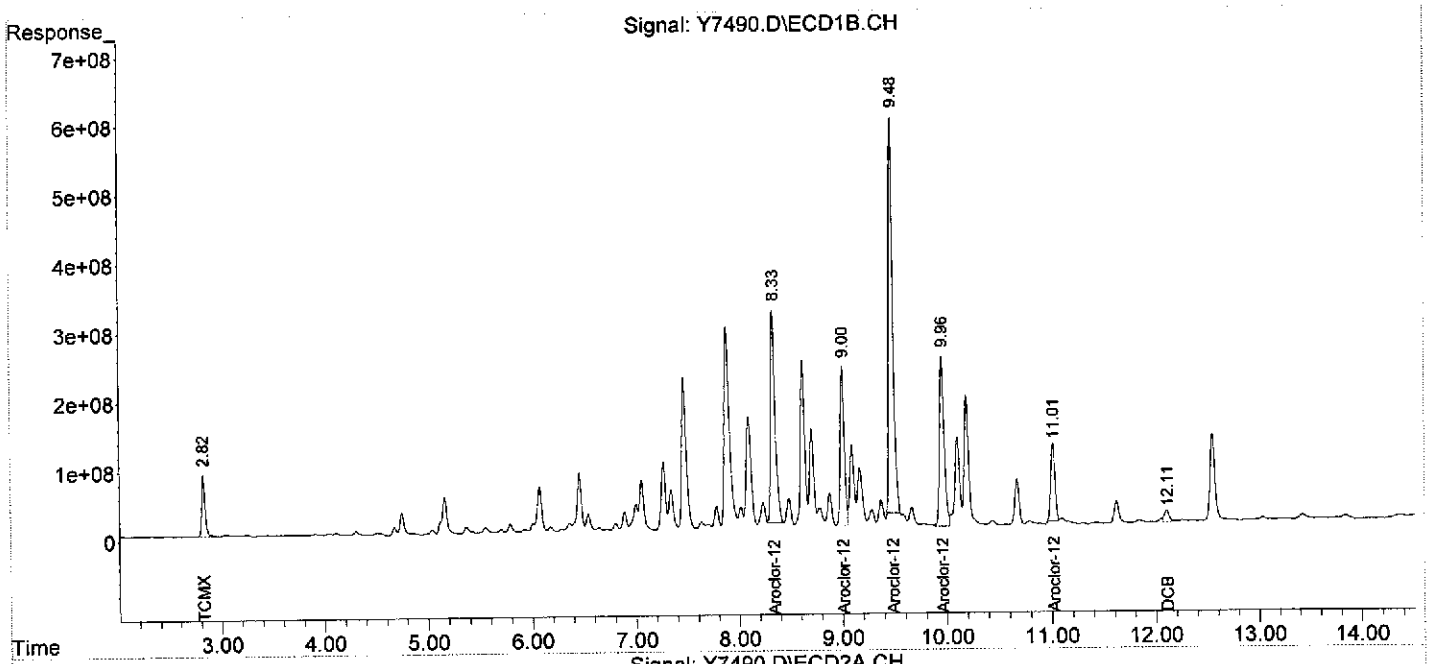
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

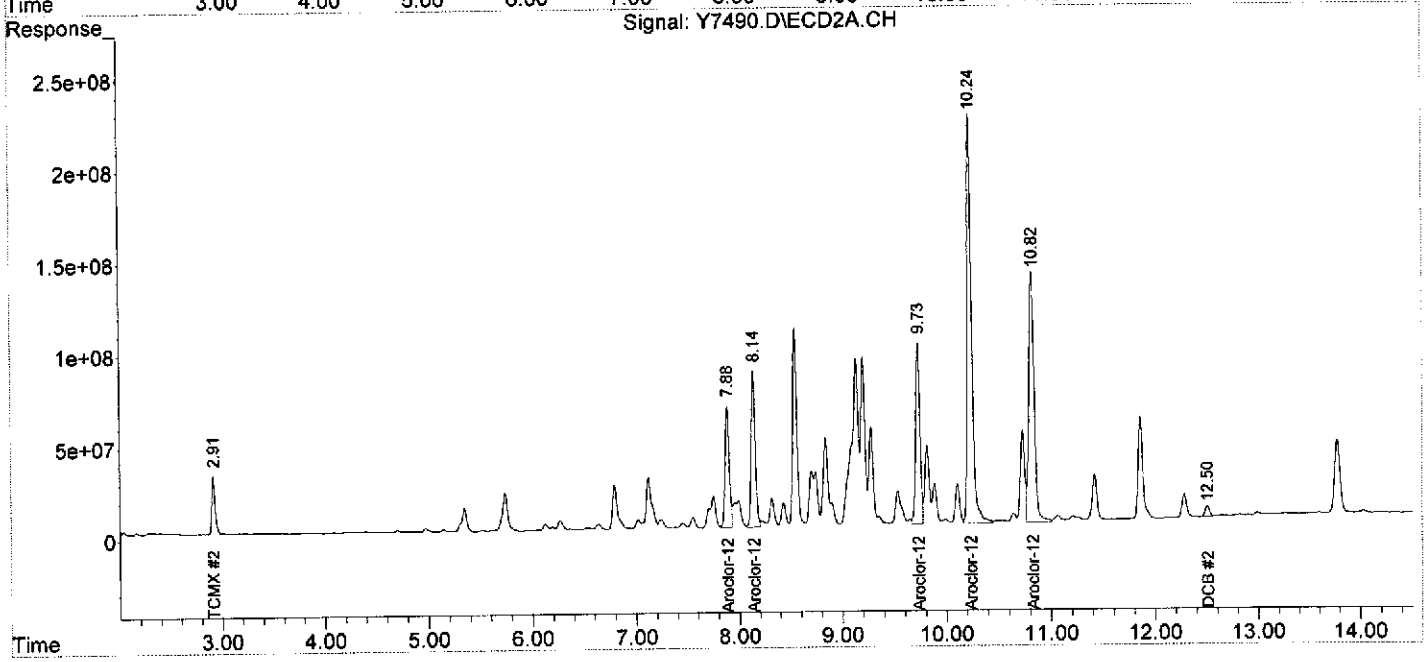
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7490.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Jul 2012 17:36
Operator : YG
Sample : T-30_(0-2.,07021-034,S,5.29g,20.7,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,10
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 16:29:59 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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\07-25-12\
Data File : Y7403.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 20:25
Operator : YG
Sample : T-30_(2.0-,07021-035,S,5.54g,38.9,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:46:02 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.82	2.92	14047.1E6	5975.7E6	148.453	190.121 #
Spiked Amount 200.000			Recovery	=	74.23%	95.06%
2) S DCB	12.11	12.51	3257.9E6	1340.1E6	167.400m	175.808m
Spiked Amount 200.000			Recovery	=	83.70%	87.90%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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	8.33	7.89	1620.0E6	310.3E6	227.406	340.476 #
34) L8 Aroclor-1260 {2}	9.01	8.14	1577.4E6	448.9E6	470.045	331.696 #
35) L8 Aroclor-1260 {3}	9.48	9.73	4715.9E6	787.4E6	578.191	728.794 #
36) L8 Aroclor-1260 {4}	9.96	10.24	2074.6E6	2227.3E6	490.363	962.940 #
37) L8 Aroclor-1260 {5}	11.01	10.82	1357.5E6	1706.7E6	850.912m	998.861
Sum Aroclor-1260			11345.5E6	5480.7E6	2616.916	3362.767
Average Aroclor-1260					523.383	672.553
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

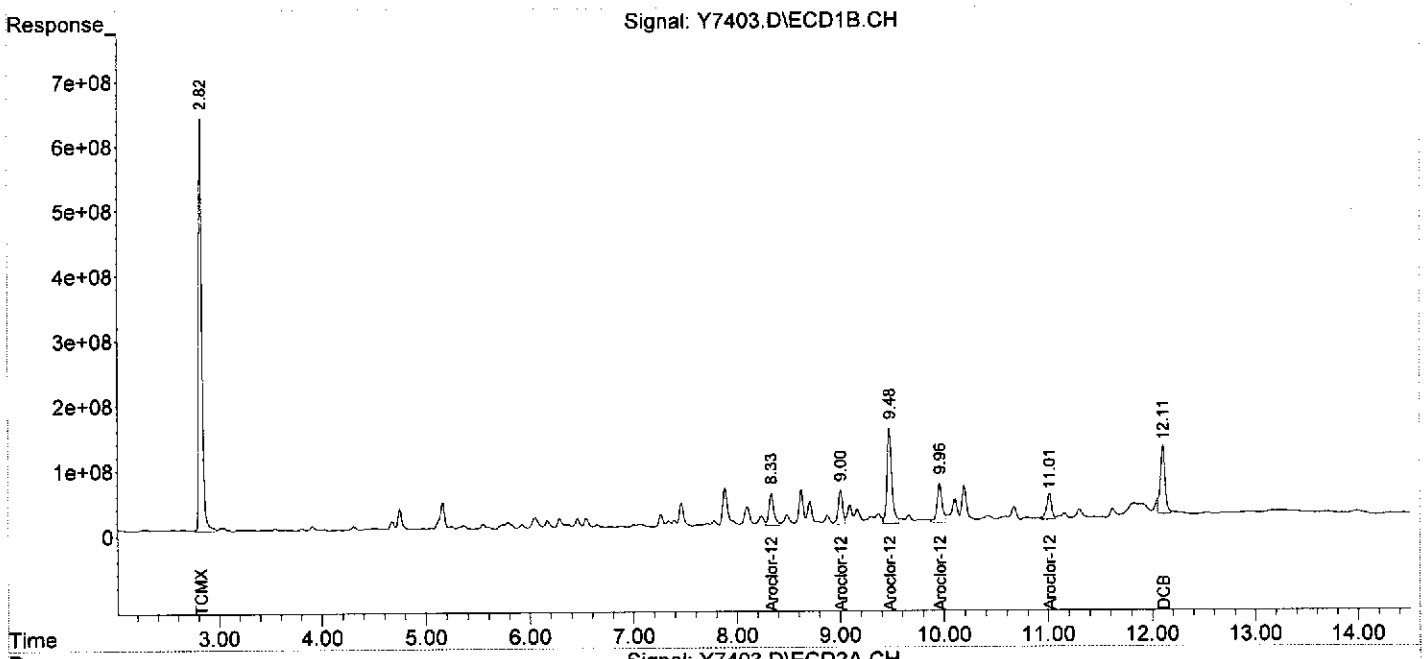
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

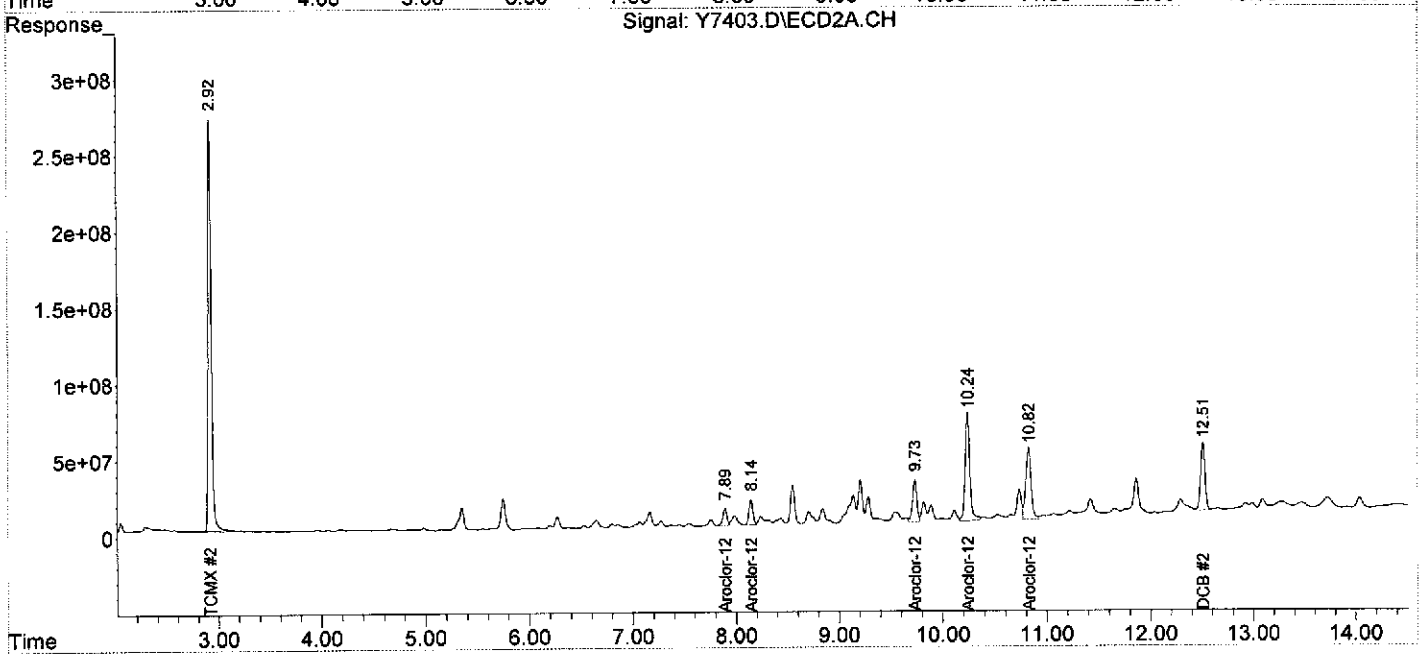
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7403.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 20:25
Operator : YG
Sample : T-30_(2.0-,07021-035,S,5.54g,38.9,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:46:02 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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\07-25-12\
Data File : Y7404.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 20:42
Operator : YG
Sample : T-30_(4.0-,07021-036,S,5.85g,24.0,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:46:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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	19813.0E6	7187.9E6	209.389	228.688
Spiked Amount 200.000			Recovery	=	104.69%	114.34%
2) S DCB	12.11	12.51	3686.5E6	1670.3E6	189.425m	219.135m
Spiked Amount 200.000			Recovery	=	94.71%	109.57%
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

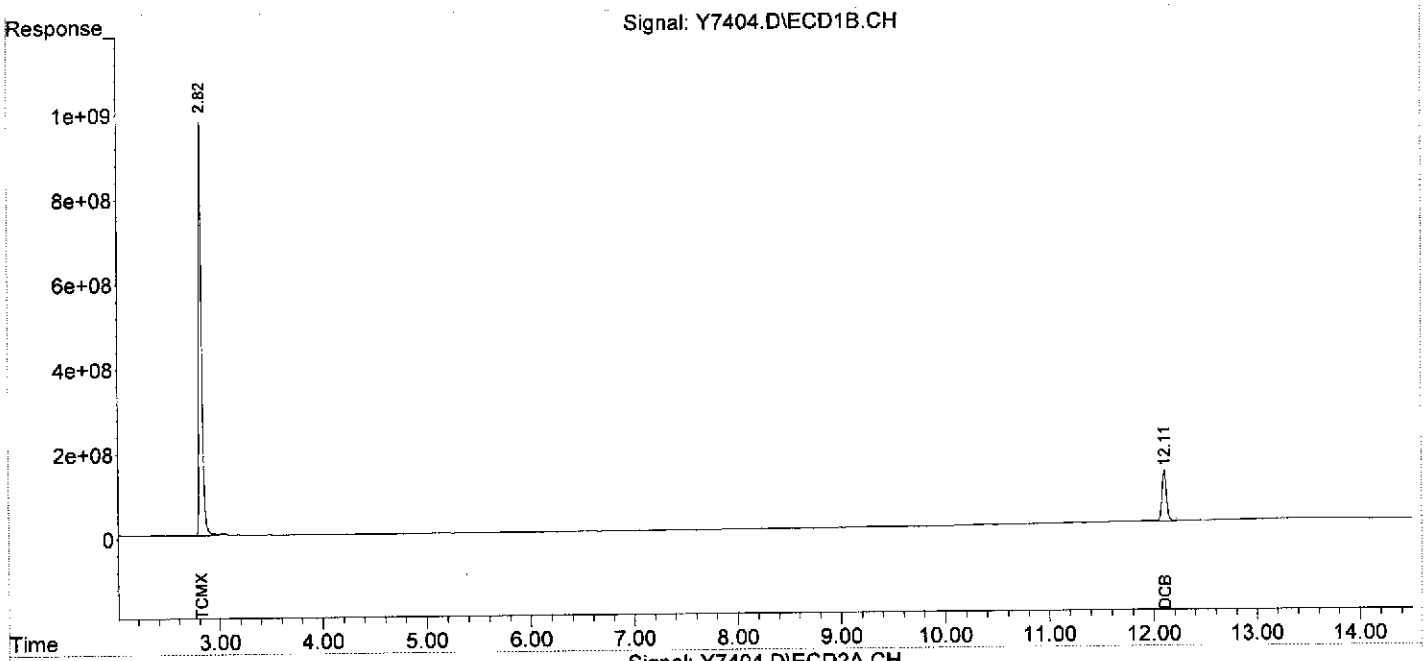
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

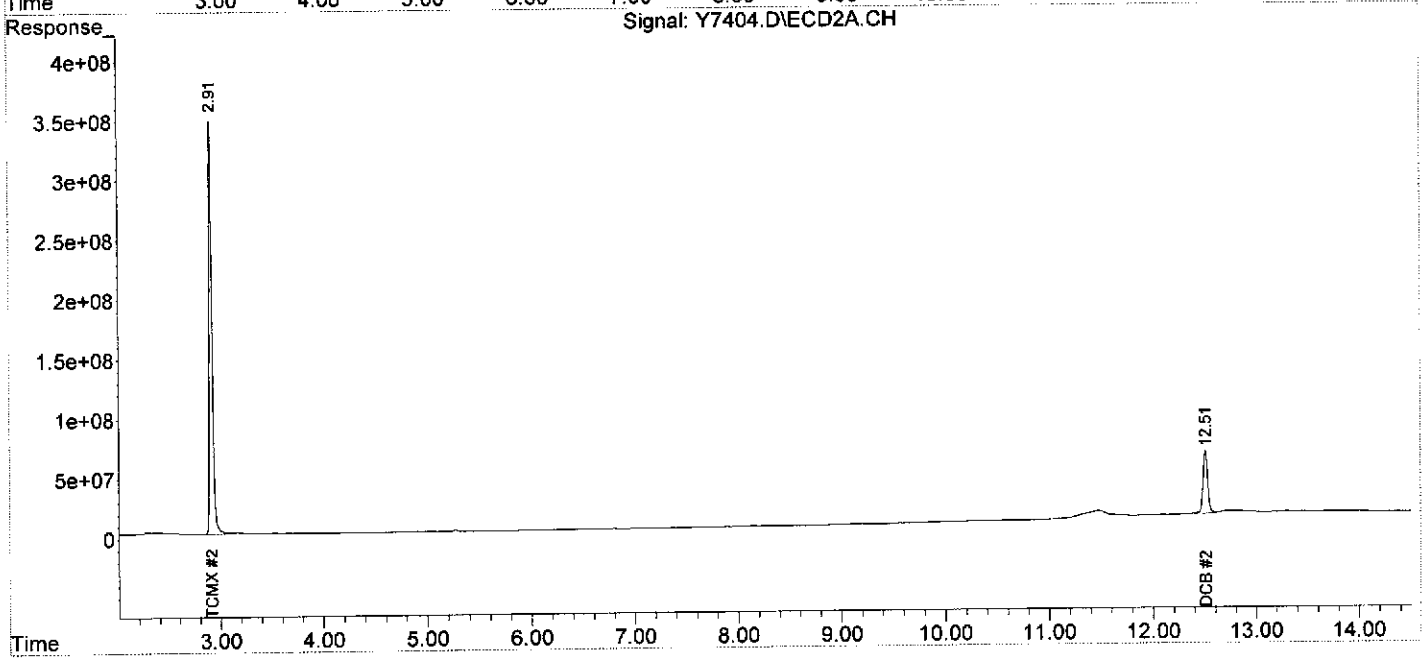
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7404.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 20:42
Operator : YG
Sample : T-30_(4.0-,07021-036,S,5.85g,24.0,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,1
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:46:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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 : Y7491.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Jul 2012 18:13
Operator : YG
Sample : U-29_(0-2.,07021-037,S,5.02g,25.4,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,100
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 16:30:34 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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
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	8.33	7.89	3915.4E6	754.7E6	539.057	701.819 #
34) L8 Aroclor-1260 {2}	9.00	8.15	2259.5E6	879.2E6	713.019	554.860
35) L8 Aroclor-1260 {3}	9.48	9.74	6569.7E6	942.3E6	796.054	711.239
36) L8 Aroclor-1260 {4}	9.96	10.24	2667.0E6	2337.0E6	645.321	809.817 #
37) L8 Aroclor-1260 {5}	11.02	10.83	1529.6E6	1643.6E6	908.869	808.627
Sum Aroclor-1260			16941.2E6	6556.8E6	3602.321	3586.362
Average Aroclor-1260					720.464	717.272
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

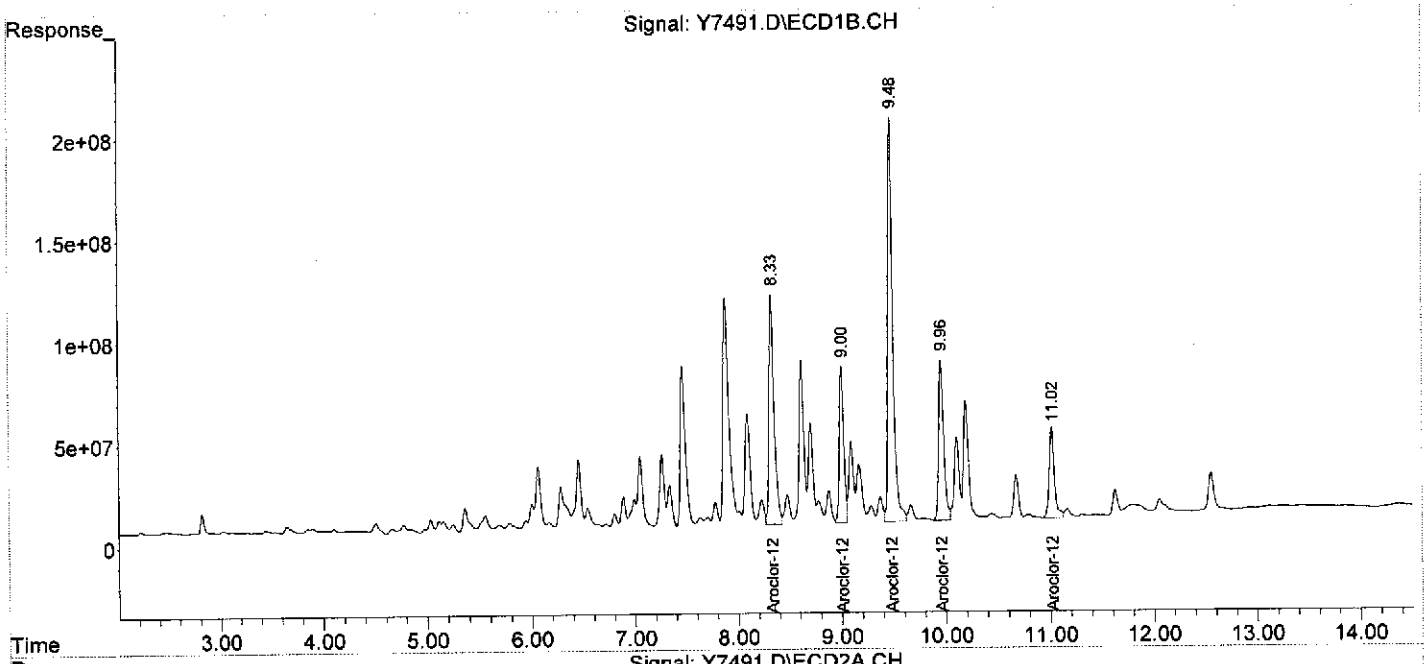
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

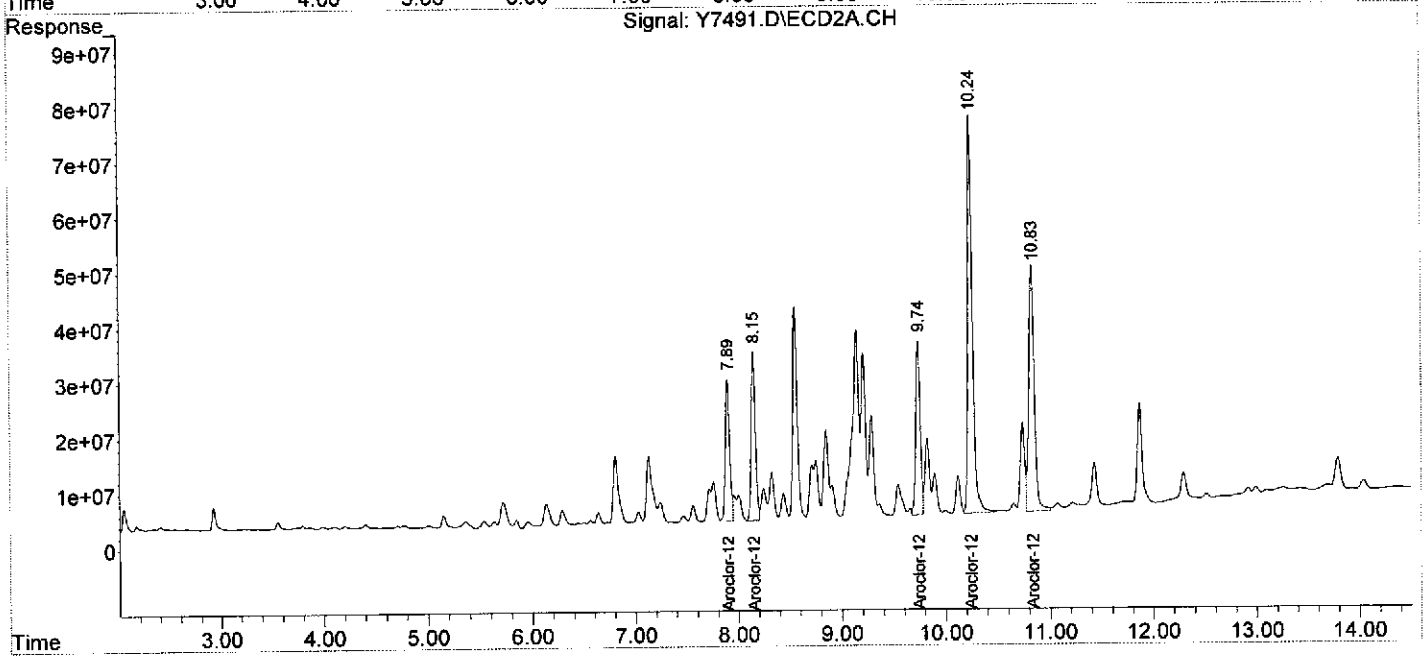
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7491.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Jul 2012 18:13
Operator : YG
Sample : U-29_(0-2.,07021-037,S,5.02g,25.4,07/23/12,4
Misc : 120723-10,07/13/12,07/13/12,100
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 16:30:34 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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\07-25-12\
Data File : Y7416.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 00:26
Operator : YG
Sample : U-29_(2.0-,07021-038,S,5.31g,20.1,07/23/12,4
Misc : 120723-11,07/13/12,07/13/12,50
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:14:56 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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	491.9E6	199.7E6	5.198	6.353
Spiked Amount 200.000				Recovery	=	2.60%	3.18%
2) S DCB		12.08	12.51	99460782	39373296	5.111m	5.165m
Spiked Amount 200.000				Recovery	=	2.56%	2.58%
Target Compounds							
Sum Aroclor-1016				0	0	N.D.	N.D.
Average Aroclor-1016						0.000	0.000
Sum Aroclor-1221				0	0	N.D.	N.D.
Average Aroclor-1221						0.000	0.000
Sum Aroclor-1232				0	0	N.D.	N.D.
Average Aroclor-1232						0.000	0.000
Sum Aroclor-1242				0	0	N.D.	N.D.
Average Aroclor-1242						0.000	0.000
Sum Aroclor-1248				0	0	N.D.	N.D.
Average Aroclor-1248						0.000	0.000
Sum Aroclor-1254				0	0	N.D.	N.D.
Average Aroclor-1254						0.000	0.000
33) L8 Aroclor-1260		8.33	7.89	3521.2E6	736.5E6	494.276	808.226 #
34) L8 Aroclor-1260	{2}	9.01	8.14	1972.6E6	862.2E6	587.826	637.046
35) L8 Aroclor-1260	{3}	9.48	9.73	5586.8E6	897.3E6	684.962	830.539
36) L8 Aroclor-1260	{4}	9.96	10.24	2367.3E6	2111.5E6	559.552	912.853 #
37) L8 Aroclor-1260	{5}	11.01	10.82	1397.4E6	1487.1E6	875.893	870.331
Sum Aroclor-1260				14845.3E6	6094.7E6	3202.509	4058.995
Average Aroclor-1260						640.502	811.799
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

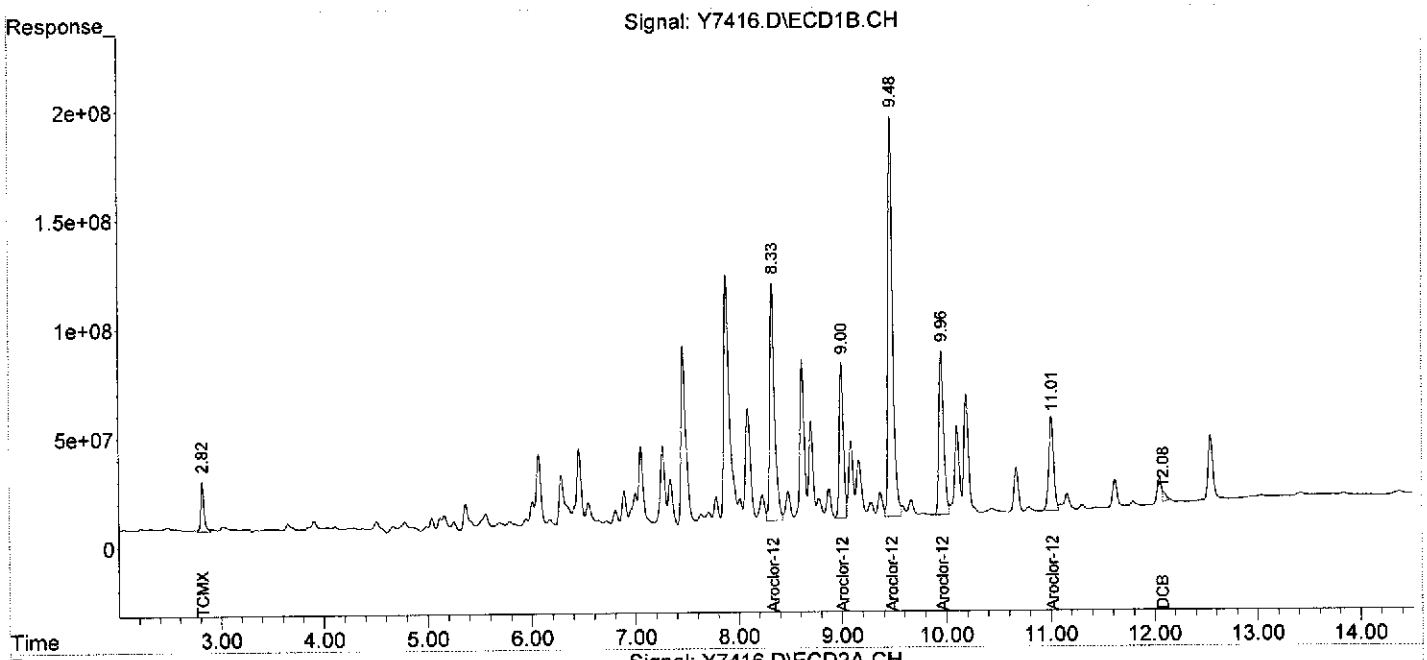
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

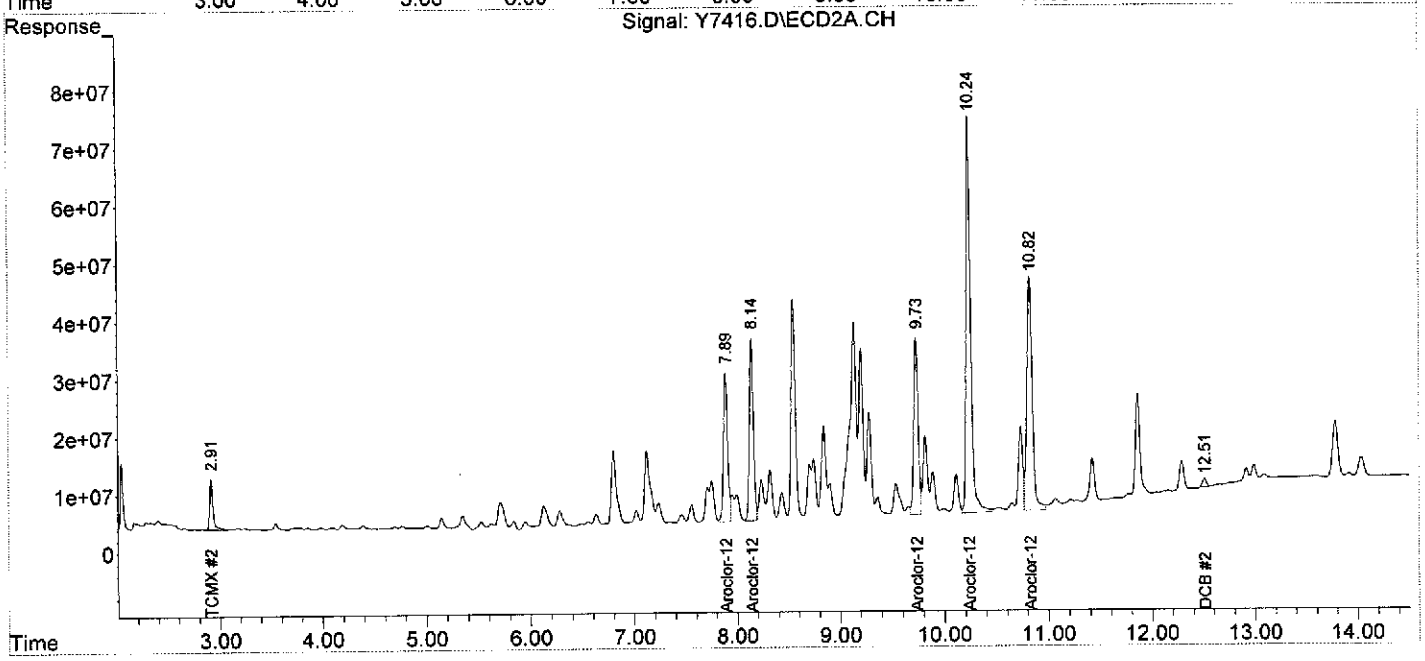
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7416.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 00:26
Operator : YG
Sample : U-29_(2.0-,07021-038,S,5.31g,20.1,07/23/12,4
Misc : 120723-11,07/13/12,07/13/12,50
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:14:56 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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\07-25-12\
Data File : Y7417.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 00:43
Operator : YG
Sample : U-29_(4.0-,07021-039,S,5.06g,46.2,07/23/12,4
Misc : 120723-11,07/13/12,07/13/12,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:16:10 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.82	2.92	14834.3E6	7869.5E6	156.773	250.375 #
Spiked Amount 200.000			Recovery	=	78.39%	125.19%
2) S DCB	12.11	12.52	2024.8E6	1165.1E6	104.040m	152.849m#
Spiked Amount 200.000			Recovery	=	52.02%	76.42%
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

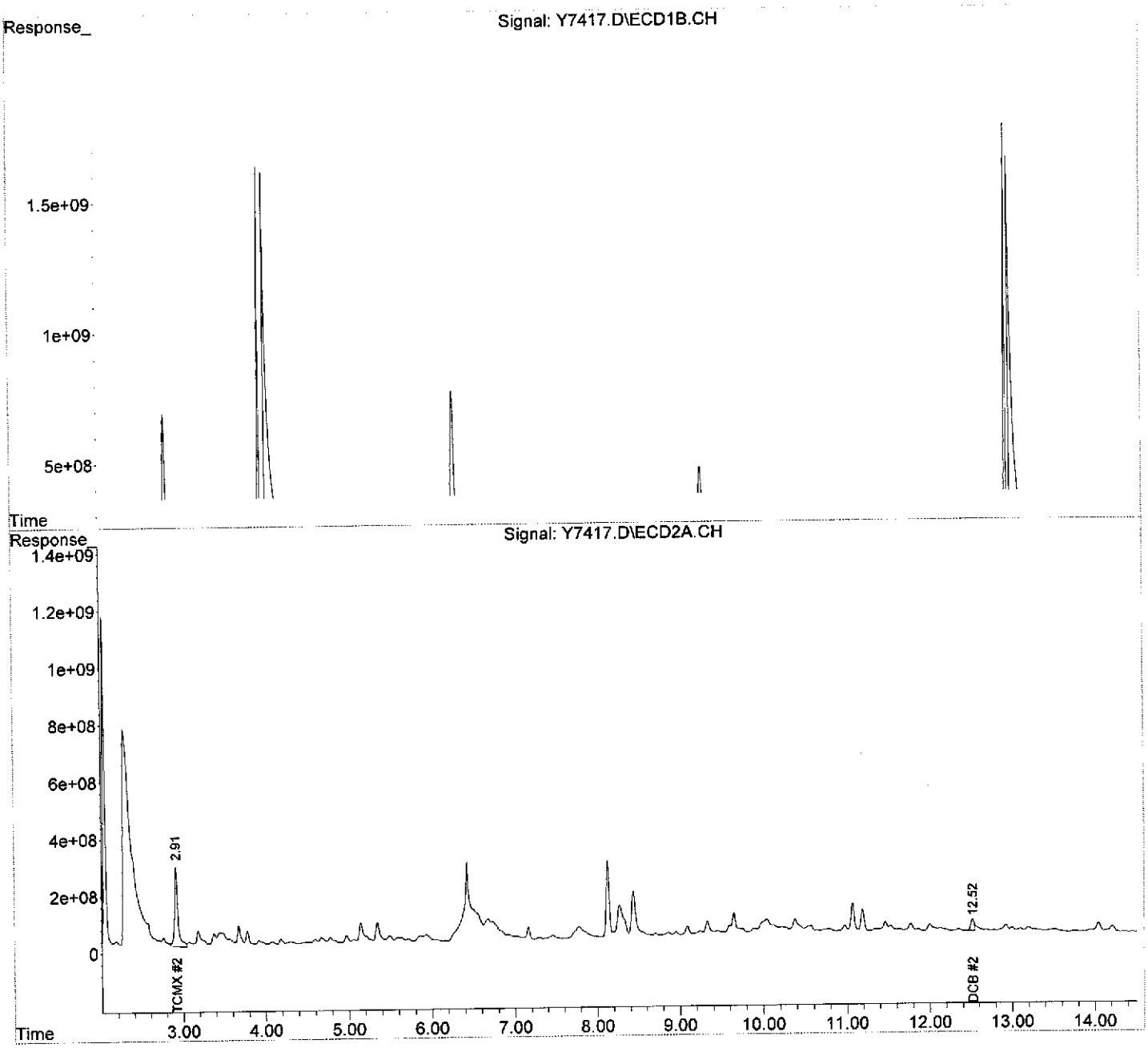
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

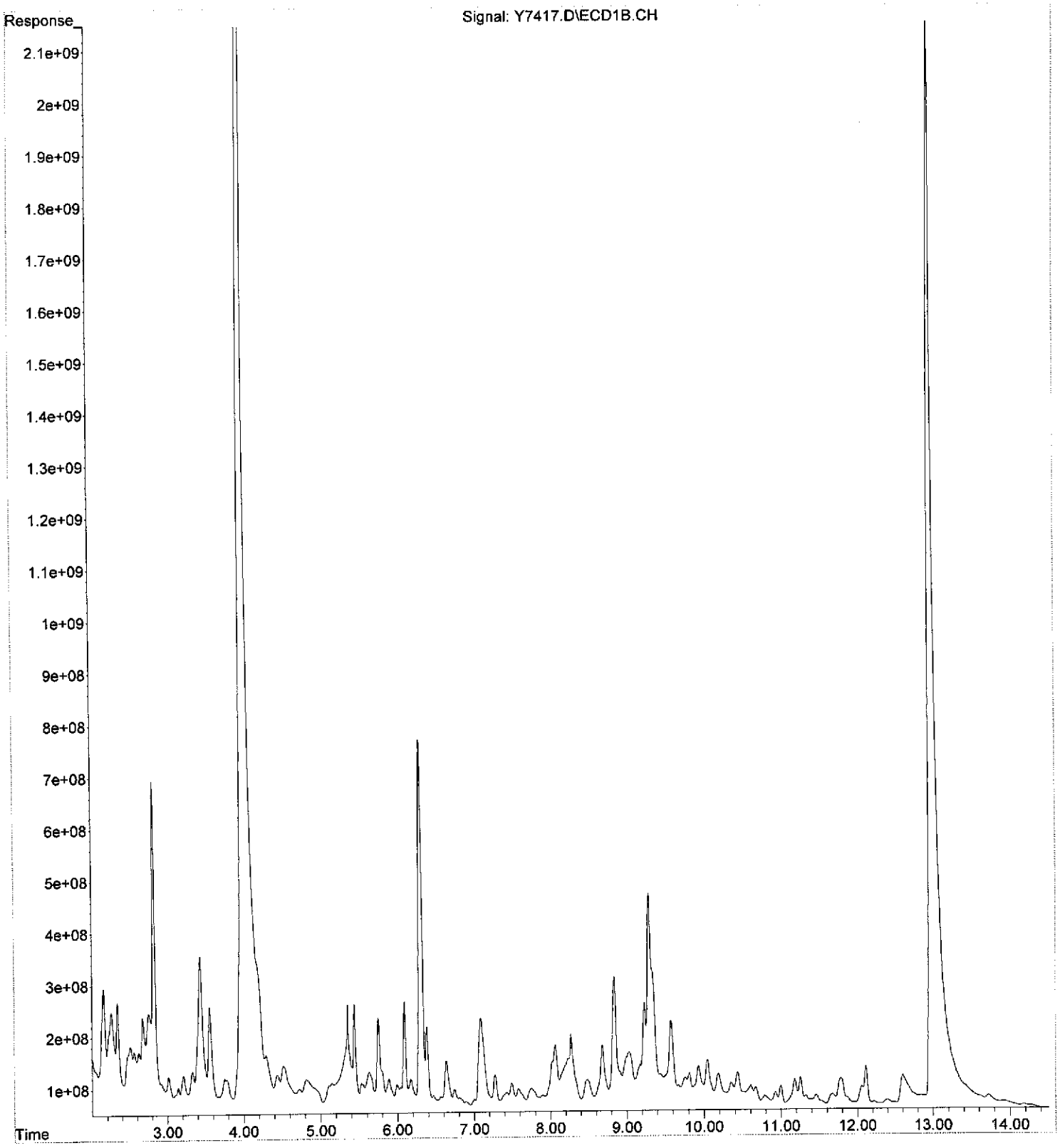
Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7417.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 00:43
Operator : YG
Sample : U-29_(4.0-,07021-039,S,5.06g,46.2,07/23/12,4
Misc : 120723-11,07/13/12,07/13/12,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:16:10 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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\07-25-12\Y7417.D
Operator : YG
Acquired : 26 Jul 2012 00:43 using AcqMethod YPCB0626.M
Instrument : GC_Y
Sample Name: U-29_(4.0-,07021-039,S,5.06g,46.2,07/23/12,4
Misc Info : 120723-11,07/13/12,07/13/12,1
Vial Number: 8



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7362.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 7:52
Operator : YG
Sample : U-29_(4.5-,07021-040,S,5.42g,75.3,07/23/12,4
Misc : 120723-11,07/13/12,07/13/12,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:01:29 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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	18835.2E6	7718.1E6	199.055	245.557
Spiked Amount 200.000			Recovery	=	99.53%	122.78%
2) S DCB	12.10	12.51	4619.6E6	1821.7E6	237.371m	238.996m
Spiked Amount 200.000			Recovery	=	118.69%	119.50%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.33	7.89	298.2E6	78281704	41.862m	85.902 #
34) L8 Aroclor-1260 {2}	9.00	8.14	159.5E6	83999021	47.532m	62.061 #
35) L8 Aroclor-1260 {3}	9.48	9.73	427.3E6	80443409	52.384m	74.456m#
36) L8 Aroclor-1260 {4}	9.96	10.24	263.3E6	221.3E6	62.246m	95.653m#
37) L8 Aroclor-1260 {5}	11.01	10.82	201.2E6	144.7E6	126.085m	84.682m#
Sum Aroclor-1260			1349.5E6	608.7E6	330.109	402.755
Average Aroclor-1260					66.022	80.551
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

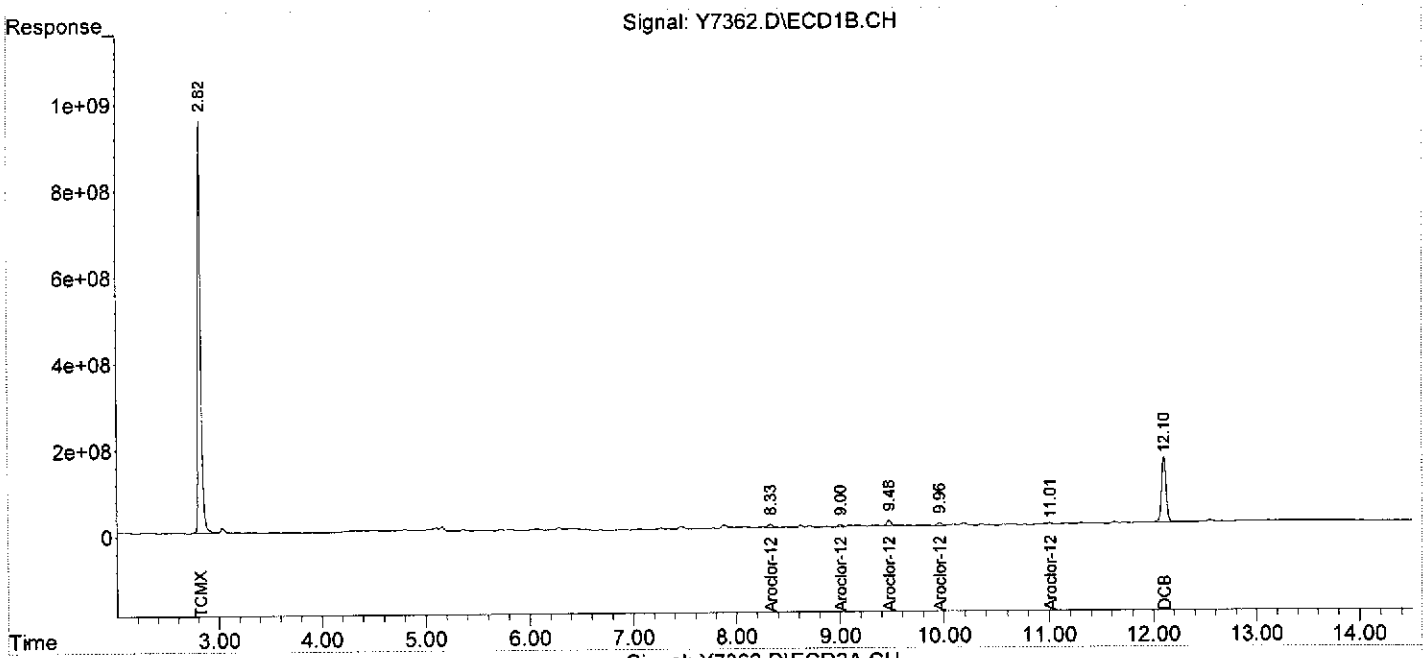
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

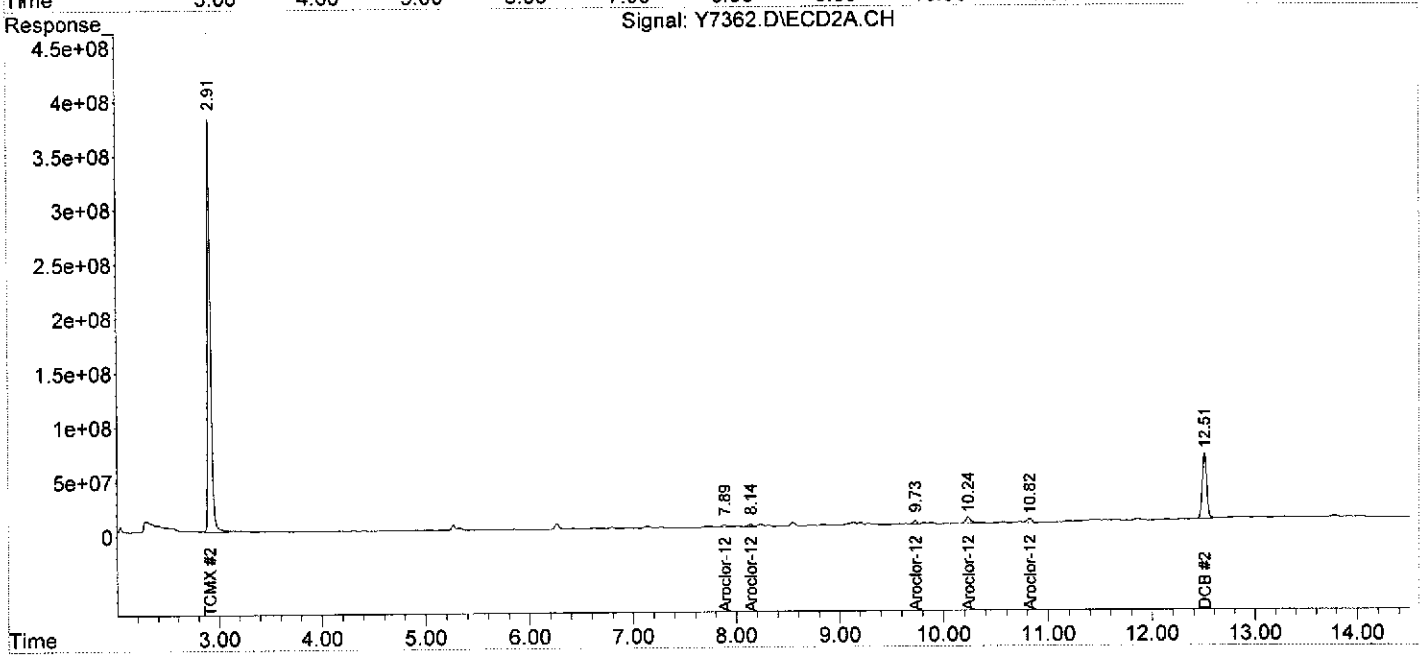
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7362.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 7:52
Operator : YG
Sample : U-29_(4.5-,07021-040,S,5.42g,75.3,07/23/12,4
Misc : 120723-11,07/13/12,07/13/12,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:01:29 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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\07-23-12\
Data File : Y7276.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Jul 2012 5:39
Operator : YG
Sample : FB-12,07021-041,A,1000ml,100,07/19/12,1
Misc : 120719-17,07/13/12,07/13/12,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 27 13:09:04 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.92	13428.6E6	4901.1E6	141.917	155.931
Spiked Amount 200.000			Recovery	=	70.96%	77.97%
2) S DCB	12.11	12.51	2004.3E6	1012.1E6	102.985	132.783 #
Spiked Amount 200.000			Recovery	=	51.49%	66.39%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

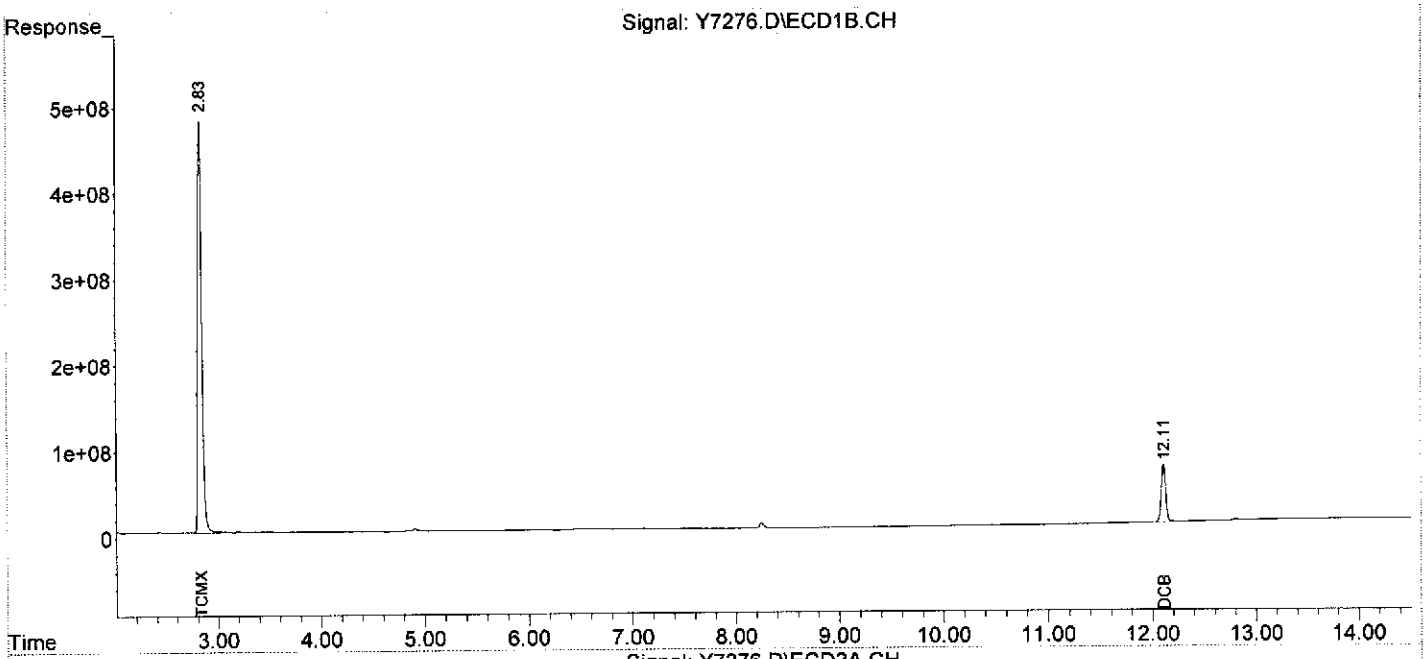
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

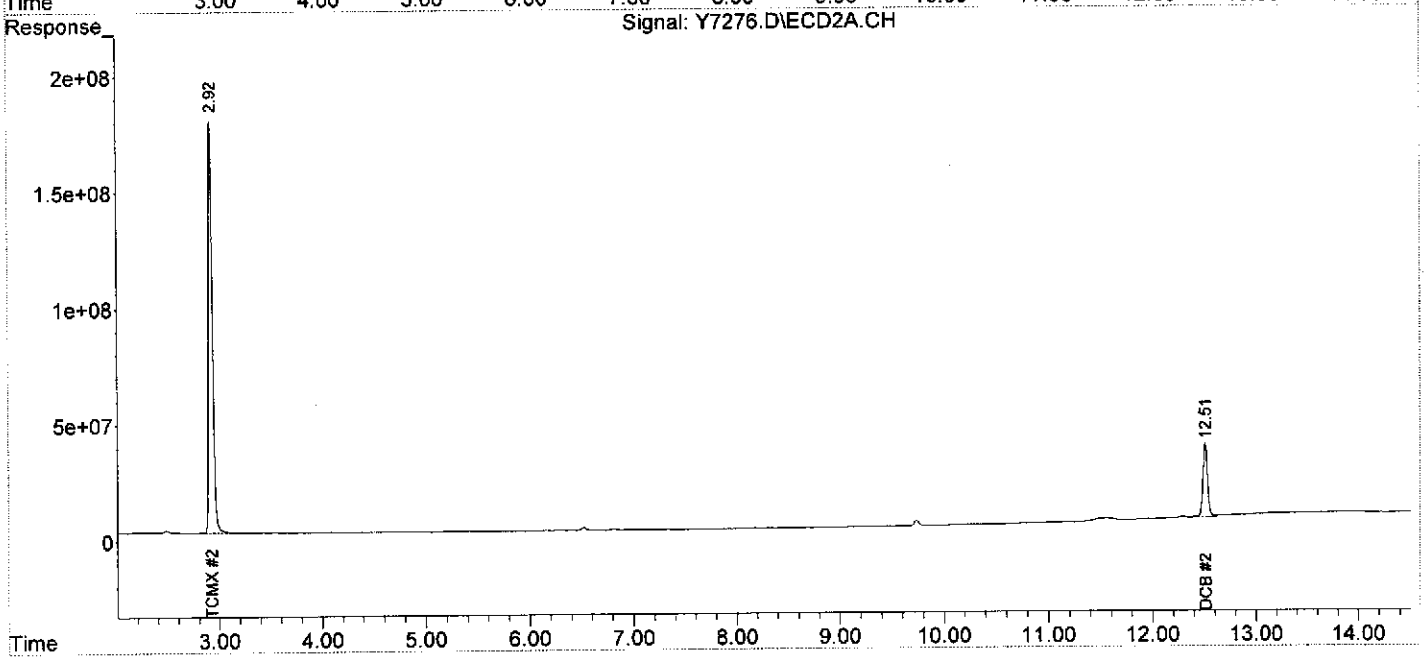
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-23-12\
Data File : Y7276.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Jul 2012 5:39
Operator : YG
Sample : FB-12,07021-041,A,1000ml,100,07/19/12,1
Misc : 120719-17,07/13/12,07/13/12,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 27 13:09:04 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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: BLKA120719-17
Client ID: PCB
Date Received: NA
Date Extracted: 07/19/2012
Date Analyzed: 07/24/2012
Data file: Y7272.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

E12-07021 0201

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\07-23-12\
Data File : Y7272.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Jul 2012 4:30
Operator : YG
Sample : PCB,BLKA120719-17,A,1000ml,100,07/19/12,1
Misc : NA,NA,NA,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 24 16:23:56 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.92	15283.8E6	5594.7E6	161.523	178.000
Spiked Amount 200.000			Recovery	=	80.76%	89.00%
2) S DCB	12.10	12.51	2738.6E6	1156.0E6	140.718m	151.657m
Spiked Amount 200.000			Recovery	=	70.36%	75.83%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

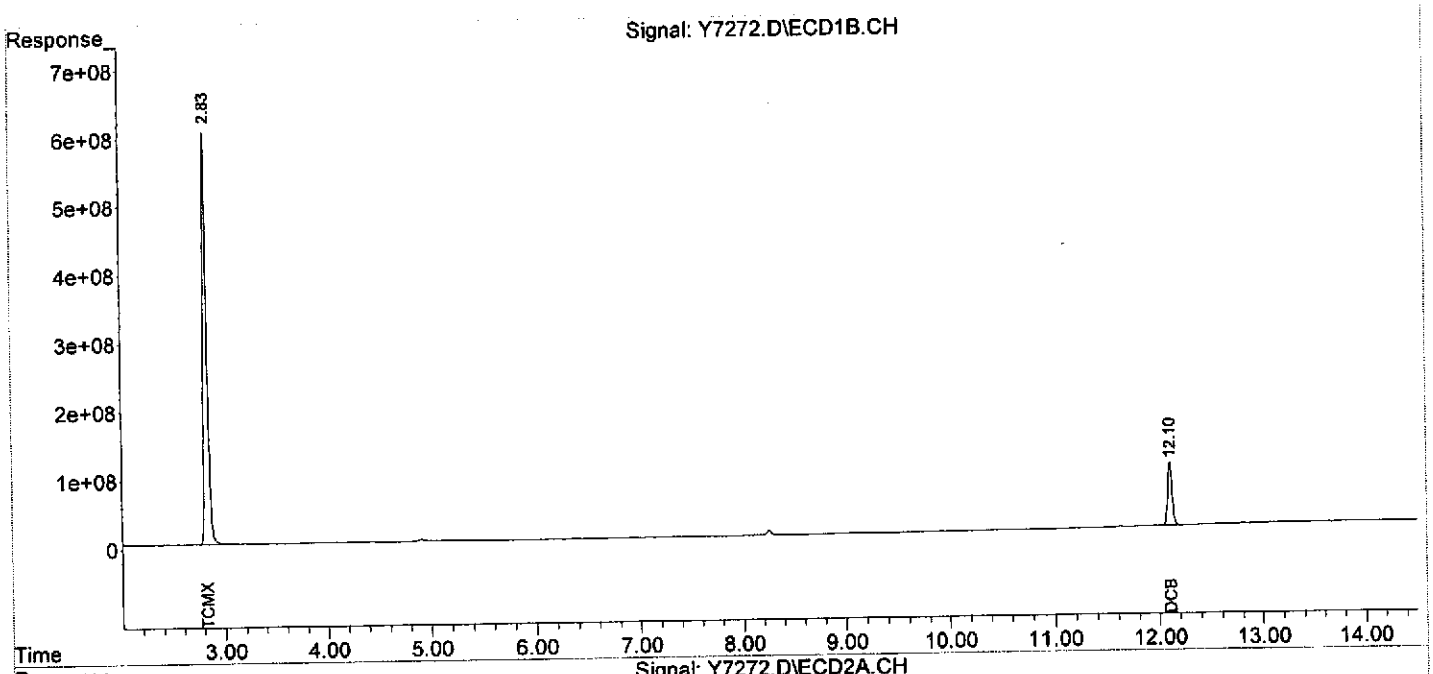
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

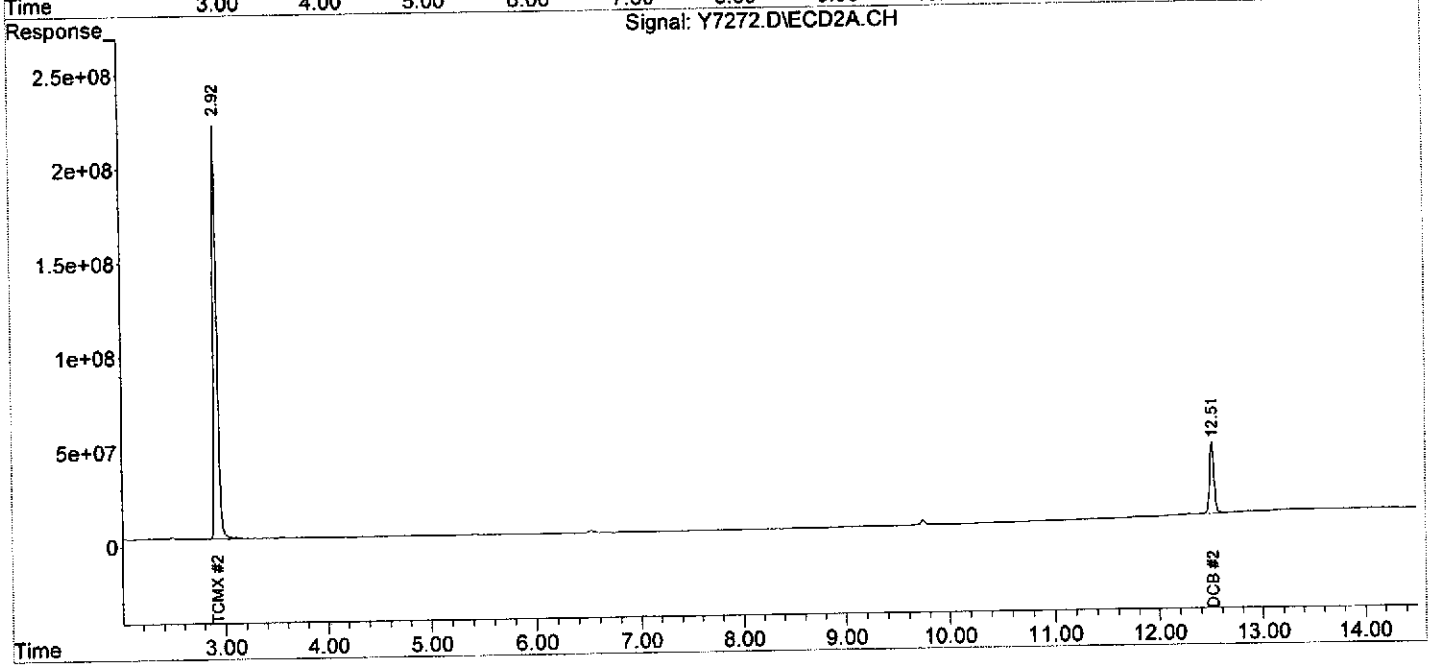
Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\07-23-12\
Data File : Y7272.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Jul 2012 4:30
Operator : YG
Sample : PCB,BLKA120719-17,A,1000ml,100,07/19/12,1
Misc : NA,NA,NA,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 24 16:23:56 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKS120723-10
Client ID: PCB
Date Received: NA
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7385.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\07-24-12\
Data File : Y7385.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 14:27
Operator : YG
Sample : PCB,BLKS120723-10,S,5.00g,0,07/23/12,4
Misc : NA,NA,NA,1
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:06:19 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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	19271.9E6	6651.3E6	203.671	211.616
Spiked Amount 200.000			Recovery	=	101.84%	105.81%
2) S DCB	12.10	12.51	4237.6E6	1532.3E6	217.739	201.020m
Spiked Amount 200.000			Recovery	=	108.87%	100.51%
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

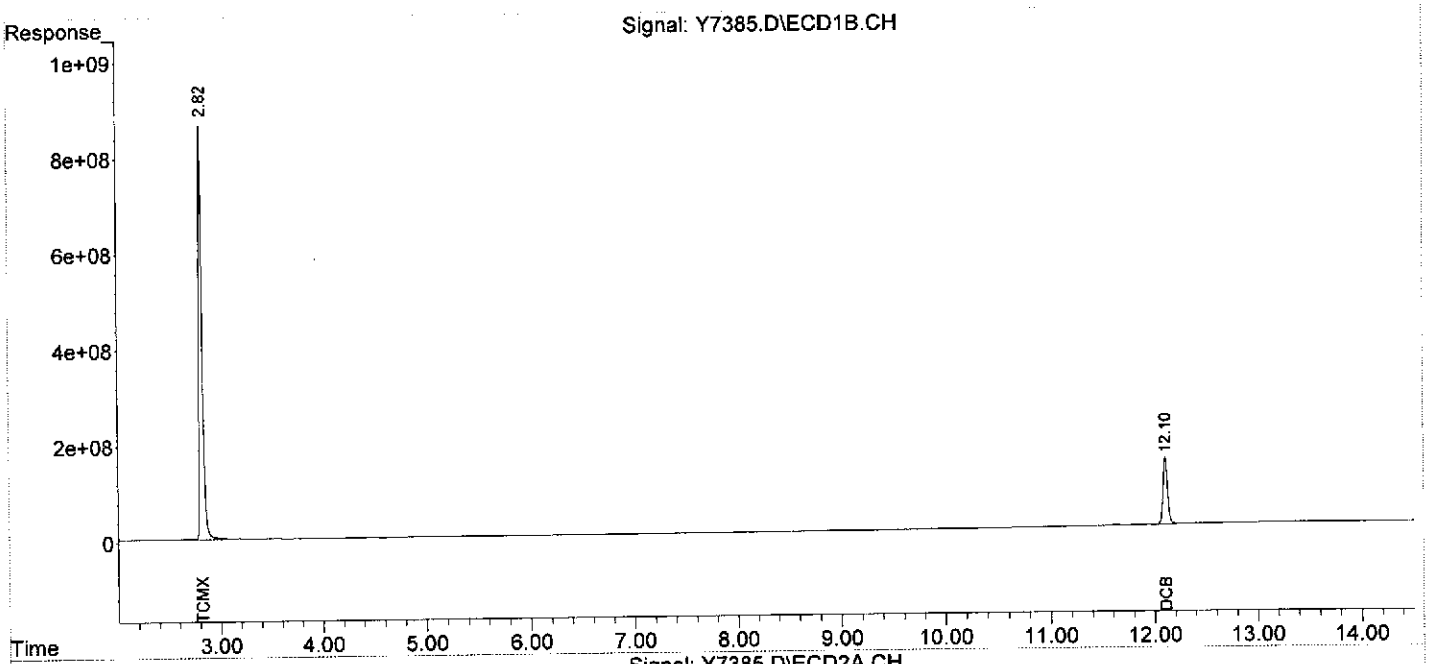
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

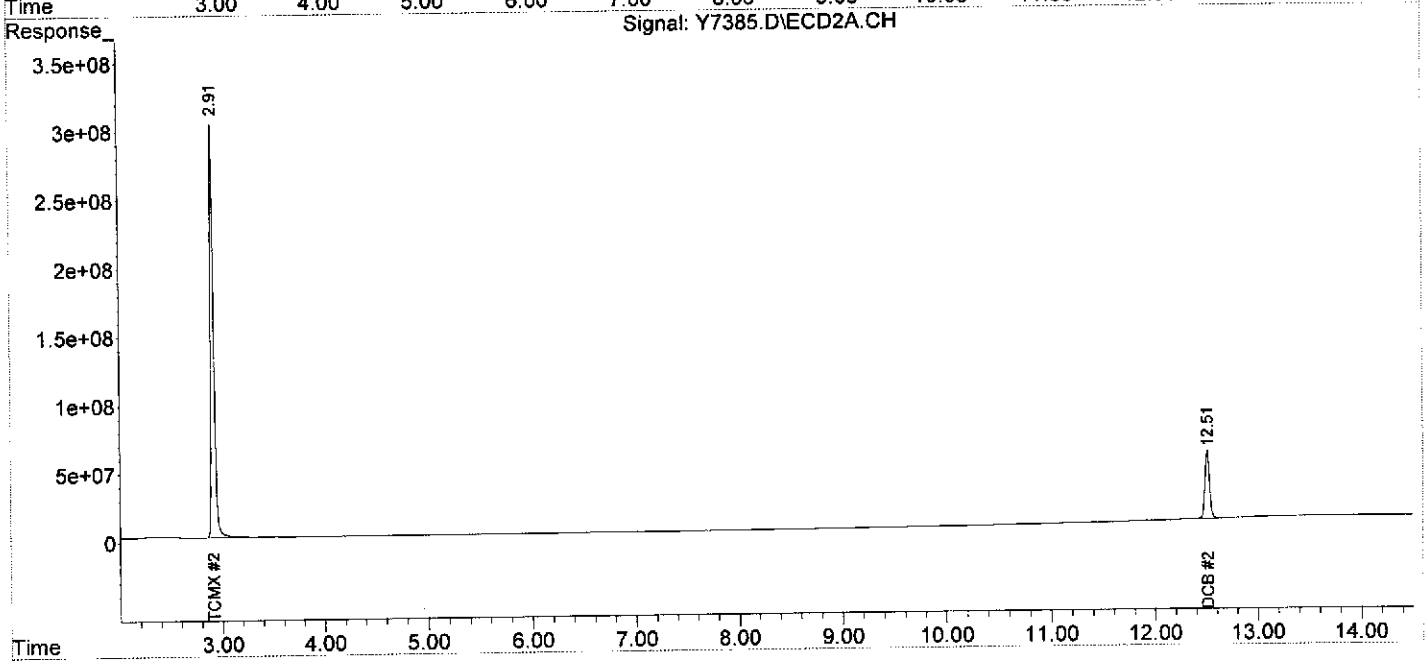
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7385.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 14:27
Operator : YG
Sample : PCB,BLKS120723-10,S,5.00g,0,07/23/12,4
Misc : NA,NA,NA,1
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 15:06:19 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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: BLKS120723-11
Client ID: PCB
Date Received: NA
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7359.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\07-24-12\
Data File : Y7359.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 7:00
Operator : YG
Sample : PCB,BLKS120723-11,S,5.00g,0,07/23/12,4
Misc : NA,NA,NA,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 11:59:56 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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	19632.8E6	6794.3E6	207.485	216.164
Spiked Amount 200.000			Recovery	=	103.74%	108.08%
2) S DCB	12.11	12.51	4185.6E6	1559.2E6	215.068	204.555m
Spiked Amount 200.000			Recovery	=	107.53%	102.28%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

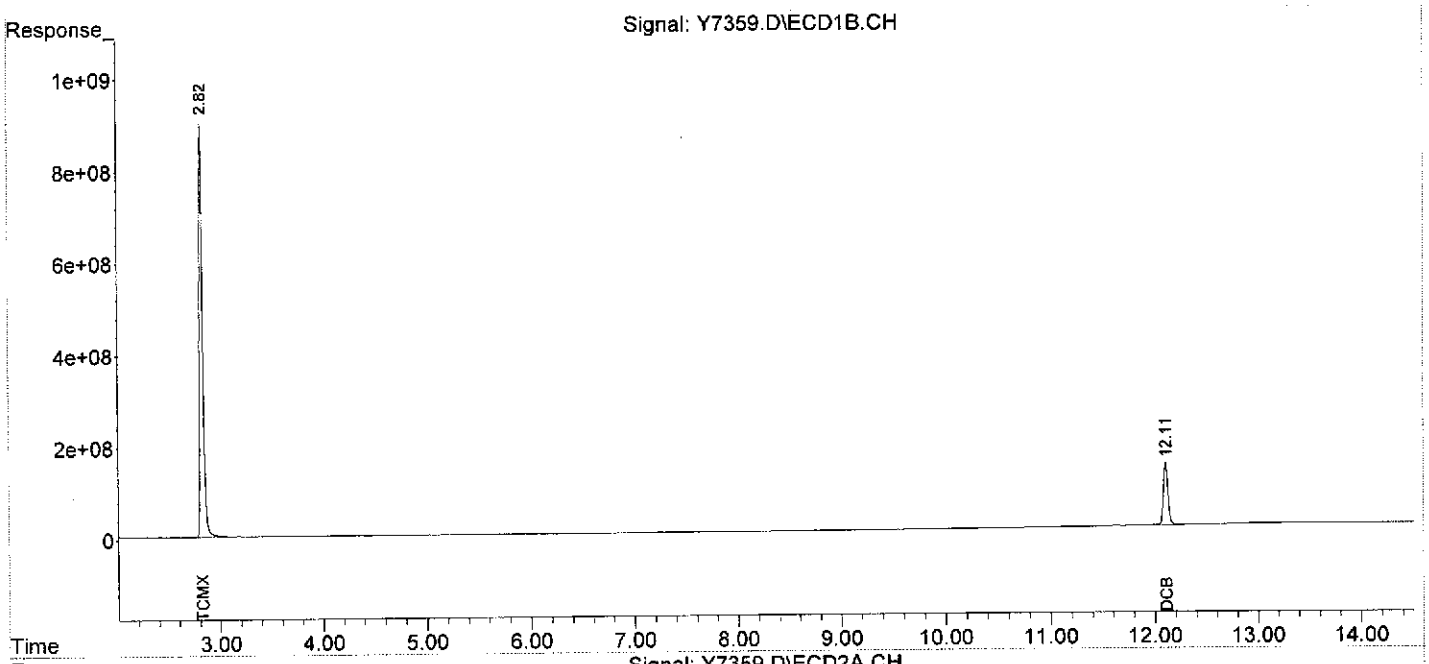
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

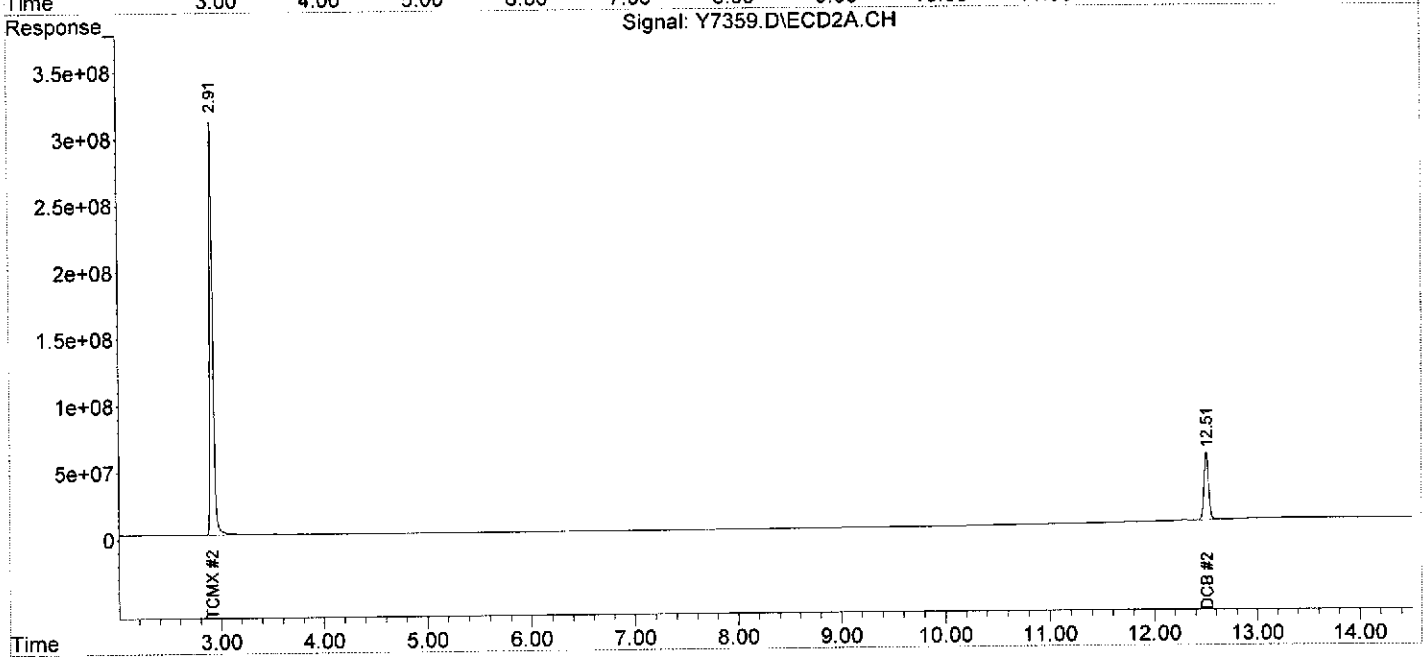
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7359.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 7:00
Operator : YG
Sample : PCB,BLKS120723-11,S,5.00g,0,07/23/12,4
Misc : NA,NA,NA,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 11:59:56 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial 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: BLKS120723-10
Client ID: PCB
Date Received: NA
Date Extracted: 07/23/2012
Date Analyzed: 07/27/2012
Data file: Y7488.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\07-27-12\
Data File : Y7488.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Jul 2012 17:01
Operator : YG
Sample : PCB,BLKS120723-10,S,5.00g,0,07/23/12,4
Misc : NA,NA,NA,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 16:27:33 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	22329.9E6	7654.0E6	234.877	218.984
Spiked Amount 200.000			Recovery	=	117.44%	109.49%
2) S DCB	12.11	12.51	4616.7E6	1799.8E6	224.022	209.438m
Spiked Amount 200.000			Recovery	=	112.01%	104.72%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

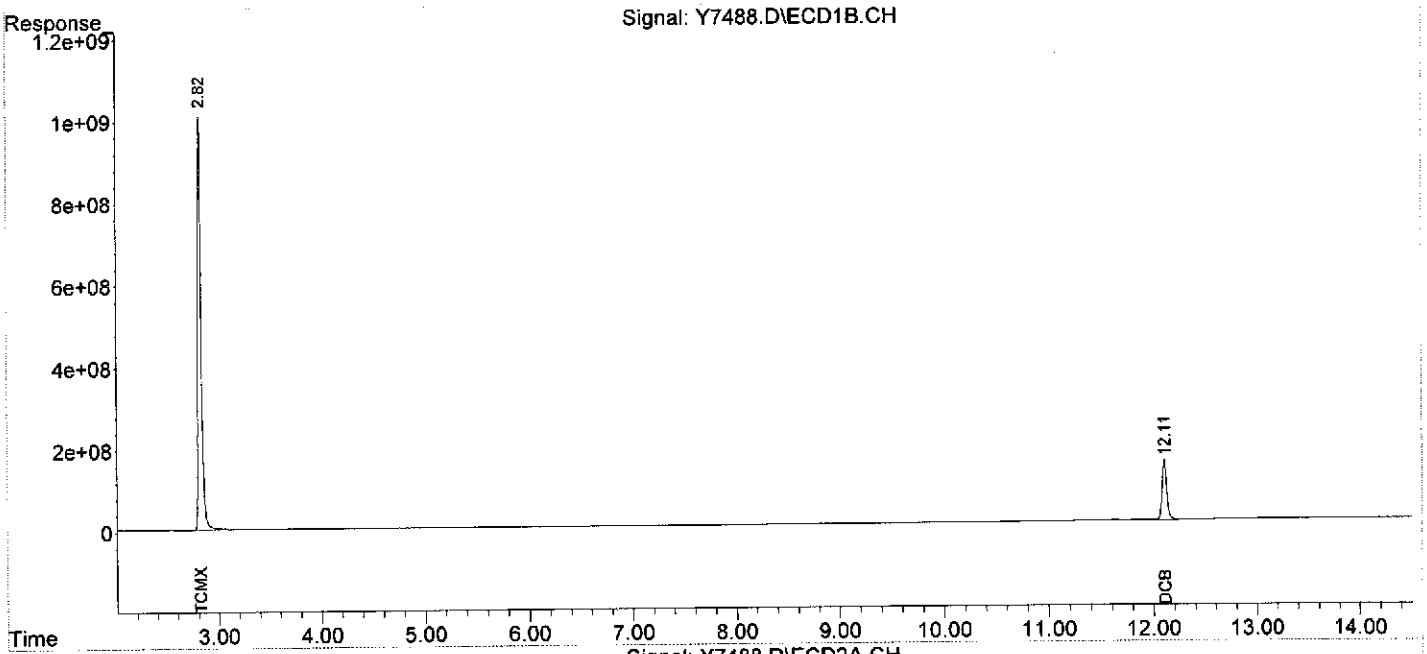
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

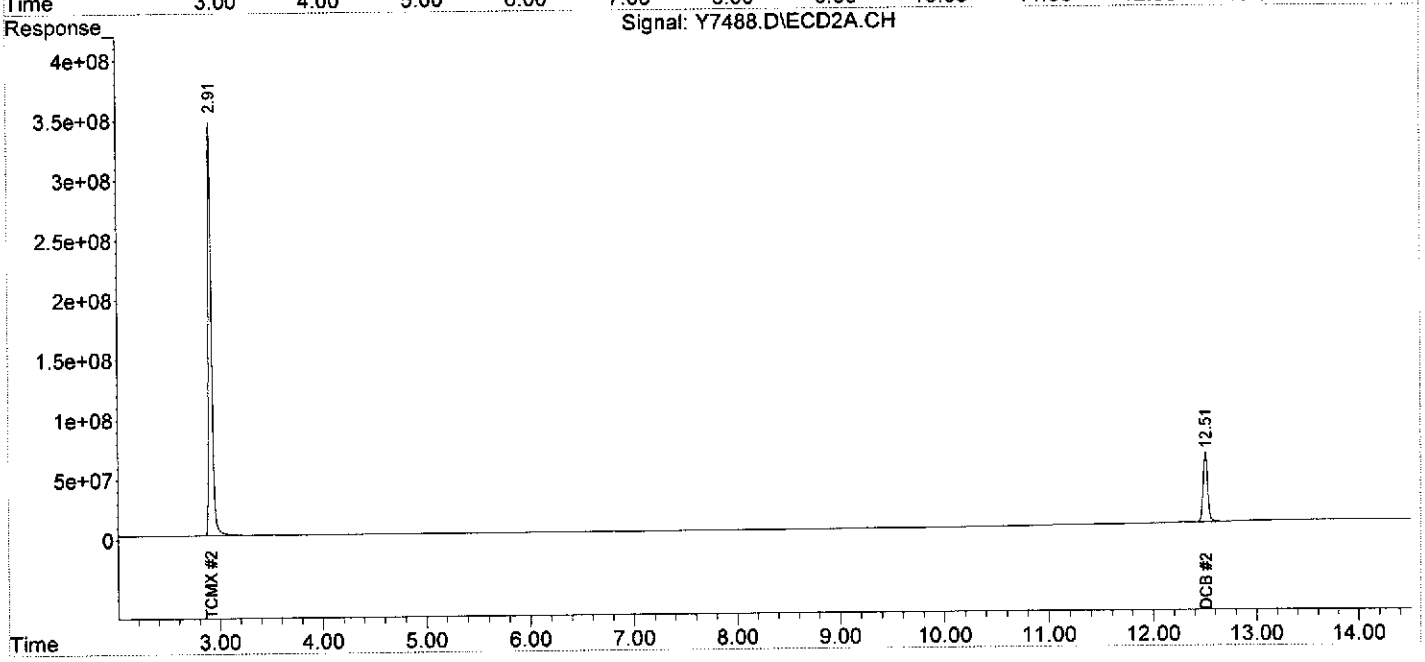
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7488.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Jul 2012 17:01
Operator : YG
Sample : PCB,BLKS120723-10,S,5.00g,0,07/23/12,4
Misc : NA,NA,NA,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 16:27:33 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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: BLKS120723-08
Client ID: PCB
Date Received: NA
Date Extracted: 07/23/2012
Date Analyzed: 07/28/2012
Data file: Y7556.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\07-27-12\
Data File : Y7556.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 13:43
Operator : YG
Sample : PCB,BLKS120723-08,S,5.00g,0,07/23/12,4
Misc : NA,NA,NA,1
ALS Vial : 70 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 13:57:21 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

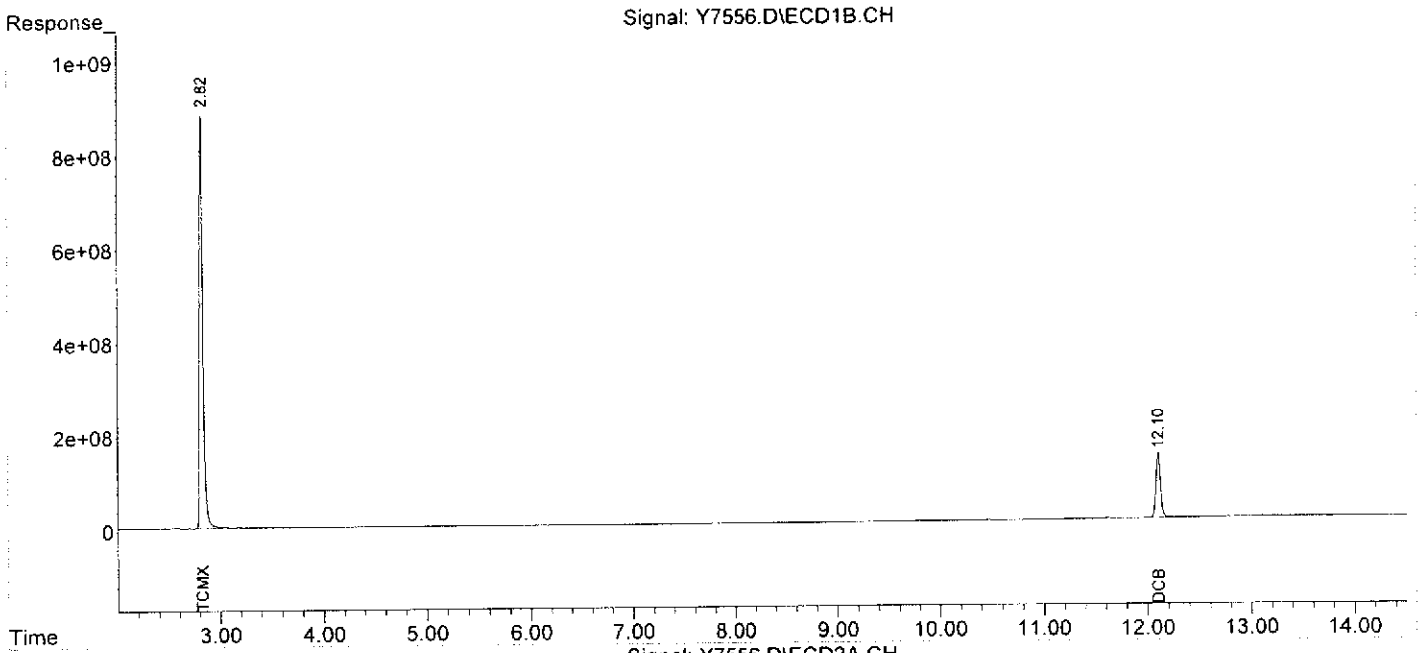
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.82	2.91	20734.9E6	7176.2E6	218.100	205.312
Spiked Amount 200.000			Recovery	=	109.05%	102.66%
2) S DCB	12.10	12.50	4179.4E6	1740.5E6	202.803	202.534
Spiked Amount 200.000			Recovery	=	101.40%	101.27%
Target Compounds						
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
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

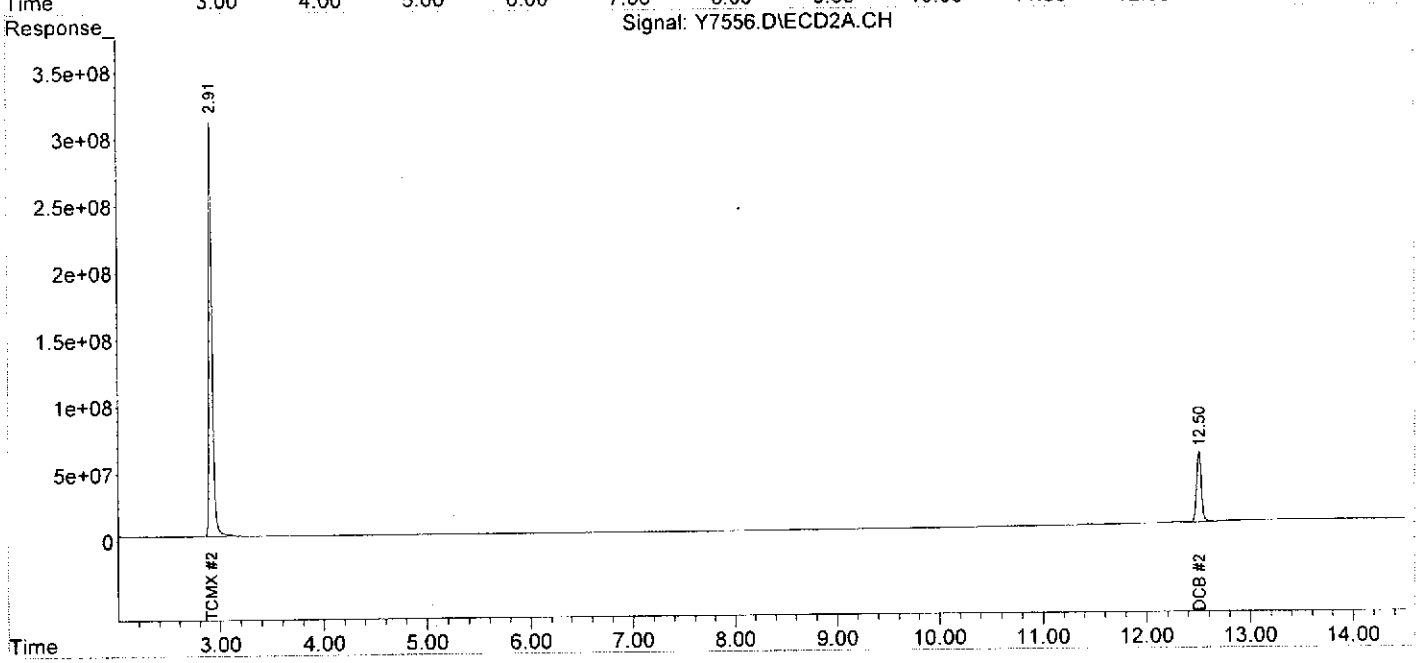
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7556.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 13:43
Operator : YG
Sample : PCB,BLKS120723-08,S,5.00g,0,07/23/12,4
Misc : NA,NA,NA,1
ALS Vial : 70 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 31 13:57:21 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial 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	Port Washington, NY 11050
Project Name: Arsynco	(with copy to: JMC Environmental (attn.: J. Clabby))
Project Location (State): NJ	Attn: Ed Kelly
Bottle Order #:	PO # 22126
Quote #: SR041205	

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

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

PHC - MUST CHOOSE

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

NJ EPH - C40 (5 day TAT)

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

Verbal/Fax: Std 2 wk unless otherwise specified

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

Other** (specify):

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

Rush TAT Charge **	Report Format	EDDs
24 hr - 100%...	Results Only	SRP format
48 hr - 75%....	Reduced	lab approved custom EDD
72 hr - 50%....	Regulatory - 15% Surcharge applies	NO EDD/CD REQ'D
96 hr - 35%....	Other (describe)	
5 day - 25%....		
6-9 day 10%		

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

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
R-20 (0-2.0)		7/13/12	8:31	S	1	1	x						
R-20 (2.0-4.0)			8:32	S	1	2	x						
R-20 (4.0-6.0)			8:33	S	1	3	x						
S-20 (0-2.0)			8:45	S	1	4	x						
S-20 (2.0-4.0)			8:46	S	1	5	x						
S-20 (4.0-6.0)			8:47	S	1	6	x						
T-20 (0-2.0)			9:11	S	1	7	x						
T-20 (2.0-4.0)			9:12	S	1	8	x						

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

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

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

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

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

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by: [signature]	7/13/12	2:41	Received by: [signature]	1805	7/13
Relinquished by: [signature]	7/13/12	1620	Received by: [signature]	7/13/12	1620
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 07021

PAGE: 1 of 6

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

0217

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

10/2010 rev

IAL
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	Port Washington, NY 11050
Project Name: Arsynco	(with copy to: JMC Environmental (attn.: J. Clabby))
Project Location (State): NJ	Attn: Ed Kelly
Bottle Order #:	PO # 22126
Quote # : SR041205	

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

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

PHC - MUST CHOOSE

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

Verbal/Fax: Std 2 wk unless otherwise specified
24 hr** 48 hr** 72 hr** 96 hr** 1 wk**
Other** (specify):

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

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

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

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

Cooler Temp <4 4 °C

SAMPLE INFORMATION

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

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
T-20 (4.0-6.0)		7/13/12	9:13	S	1	9	x						
U-20 (0-2.0)			9:32	S	1	10	x						
U-20 (2.0-4.0)			9:33	S	1	11	x						
U-20 (4.0-6.0)			9:35	S	1	12	x						
S-19 (0-2.0')			10:08	S	1	13	x						
S-19 (2.0'-4.0')			10:09	S	1	14	x						
S-19 (4.0'-6.0')			10:11	S	1	15	x						
R-19 (0-2.0')			10:25	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: [signature]	7/12/12	2:45	Received by: [signature]	7/13/12	1445
Relinquished by: Ray Mayo	7/13/12	1623	Received by: [signature]	7/13/12	1620
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 07021

PAGE: 2 of 6

IAL COPIES - WHITE & YELLOW; CLIENT COPY - PINK

02180

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

10/2010 rev

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

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

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

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

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

PHC - MUST CHOOSE

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

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

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

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

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

Cooler Temp 4 °C

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

SAMPLE INFORMATION

ANALYTICAL PARAMETERS

 # BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
R-19 (20'-4.0')		7/13/12	10:27	S	1	17	X						
R-19 (4.0'-6.0')			10:28	S	1	18	X						
Q-19 (0-2.0')			10:42	S	1	19	X						
Q-19 (2.0'-4.0')			10:43	S	1	20	X						
Q-19 4.0'-6.0')			10:44	S	1	21	X						
T-27 (0-2.0')			11:05	S	1	22	X						
T-27 (2.0-4.0')			11:06	S	1	23	X						
T-27 (4.0-6.0')			11:07	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: [signature]	7/13/12	2:45	Received by: [signature]	7/13/12	1:45
Relinquished by: [signature]	7/13/12	1620	Received by: [signature]	7/13/12	1620
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 07021

PAGE: 3 of 6

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

0216

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	Port Washington, NY 11050
Project Name: Arsynco	(with copy to: JMC Environmental (attn.: J. Clabby))
Project Location (State): NJ	Attn: Ed Kelly
Bottle Order #:	PO # 22126
Quote # : SR041205	

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

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

PHC - MUST CHOOSE

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

Verbal/Fax: Std 2 wk unless otherwise specified
24 hr** 48 hr** 72 hr** 96 hr** 1 wk**
Other** (specify):

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

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

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

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

Cooler Temp <4 4 °C

SAMPLE INFORMATION

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

ANALYTICAL PARAMETERS / # BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
T-28 (0-2.0')		7/13/12	11:38	S	1	25	x						
T-28 (2.0-4.0')			11:39	S	1	26	x						
T-28 (4.0-6.0)			11:40	S	1	27	x						
U-27 (0-2.0')			11:59	S	1	28	x						
U-27 (2.0-4.0')			12:00	S	1	29	x						
U-27 (4.0-6.0)			12:01	S	1	30	x						
V-28 (0-2.0')			12:58	S	1	31	x						
V-28 (2.0-4.0)			12:59	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: [signature]	7/13/12	2:40	Received by: [signature]	7/13/12	1425
Relinquished by: [signature]	7/13/12	1600	Received by: [signature]	7/13/12	1620
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 07021

PAGE: 4 of 6

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

0220

IAL
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	Port Washington, NY 11050
Project Name: Arsynco	(with copy to: JMC Environmental (attn.: J. Clabby))
Project Location (State): NJ	Attn: Ed Kelly
Bottle Order #:	PO # 22126
Quote # : SR041205	

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

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

PHC - MUST CHOOSE

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

NJ EPH - C40 (5 day TAT)

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

Verbal/Fax: Std 2 wk unless otherwise specified

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

Other** (specify):

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

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

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

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

Cooler Temp 4 °C

Sample Matrix

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

SAMPLE INFORMATION

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
U-28 (4.0-6.0)		7/13/12	1:03	S	1	33	x						
T-30 (0-2.0)			1:28	S	1	34	x						
T-30 (2.0-4.0)			1:29	S	1	35	x						
T-30 (4.0-6.0)			1:31	S	1	36	x						
U-29 (0-2.0')			2:25	S	1	37	x						
U-29 (2.0-4.0')			2:26	S	1	38	x						
U-29 (4.0-4.5')			2:27	S	1	39	x						
U-29 (4.5-6.0')			2:28	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:	7/13/12	2:45	Received by:	7/13/12	1446
Relinquished by:	7/13/12	1620	Received by:	7/13/12	1620
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

Comments:

Lab Case # 02021

PAGE: 5 of 6

02021

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	Port Washington, NY 11050
Project Name: Arsynco	(with copy to: JMC Environmental (attn.: J. Clabby))
Project Location (State): NJ	Attn: Ed Kelly
Bottle Order #:	PO # 22126
Quote # : SR041205	

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

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

PHC - MUST CHOOSE

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

NJ EPH - C40 (5 day TAT)

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

Verbal/Fax: Std 2 wk unless otherwise specified

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

Other** (specify):

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

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

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

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

Cooler Temp <4 4 °C

SAMPLE INFORMATION

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

ANALYTICAL PARAMETERS / # BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
FB-12		7/13/12	2:42	AQ	2	41	X						
							X						
							X						
							X						
							X						
							X						
							X						
							X						

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

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

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:	7/13/12	2:45	Received by:	7/13/12	1615
Relinquished by:	7/13/12	1620	Received by:	7/13/12	1620
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

Comments:

Lab Case # 07021

PAGE: 6 of 6

PROJECT INFORMATION

E12-07021

Case No. E12-07021 **Project** ARSYNCO

Customer	JMC Environmental Consultants	**P.O. #**	22126
Contact	Jim Clabby	**Received**	7/13/2012 16:20
EMail	ahallgreen@jmcenvironmental.co tadams@jmcenvironmental.com ☑ EMail EDDs	**Verbal Due**	7/27/2012
Phone	(732) 295-2144 **Fax** 1(732) 295-2150	**Report Due**	8/3/2012

Report To

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

Bill To

Aceto Corp.
4 Tri Harbor Court
Port Washington, NY 11050
Attn: Jim Clabby

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
07021-001	R-20 (0-2.0)	0 / 2	7/13/2012@08:31	Soil	mg/Kg	1
07021-002	R-20 (2.0-4.0)	2 / 4	7/13/2012@08:32	Soil	mg/Kg	1
07021-003	R-20 (4.0-6.0)	4 / 6	7/13/2012@08:33	Soil	mg/Kg	1
07021-004	S-20 (0-2.0)	0 / 2	7/13/2012@08:45	Soil	mg/Kg	1
07021-005	S-20 (2.0-4.0)	2 / 4	7/13/2012@08:46	Soil	mg/Kg	1
07021-006	S-20 (4.0-6.0)	4 / 6	7/13/2012@08:47	Soil	mg/Kg	1
07021-007	T-20 (0-2.0)	0 / 2	7/13/2012@09:11	Soil	mg/Kg	1
07021-008	T-20 (2.0-4.0)	2 / 4	7/13/2012@09:12	Soil	mg/Kg	1
07021-009	T-20 (4.0-6.0)	4 / 6	7/13/2012@09:13	Soil	mg/Kg	1
07021-010	U-20 (0-2.0)	0 / 2	7/13/2012@09:32	Soil	mg/Kg	1
07021-011	U-20 (2.0-4.0)	2 / 4	7/13/2012@09:33	Soil	mg/Kg	1
07021-012	U-20 (4.0-6.0)	4 / 6	7/13/2012@09:35	Soil	mg/Kg	1
07021-013	S-19 (0-2.0)	0 / 2	7/13/2012@10:08	Soil	mg/Kg	1
07021-014	S-19 (2.0-4.0)	2 / 4	7/13/2012@10:09	Soil	mg/Kg	1
07021-015	S-19 (4.0-6.0)	4 / 6	7/13/2012@10:11	Soil	mg/Kg	1
07021-016	R-19 (0-2.0)	0 / 2	7/13/2012@10:25	Soil	mg/Kg	1
07021-017	R-19 (2.0-4.0)	2 / 4	7/13/2012@10:27	Soil	mg/Kg	1
07021-018	R-19 (4.0-6.0)	4 / 6	7/13/2012@10:28	Soil	mg/Kg	1
07021-019	Q-19 (0-2.0)	0 / 2	7/13/2012@10:42	Soil	mg/Kg	1
07021-020	Q-19 (2.0-4.0)	2 / 4	7/13/2012@10:43	Soil	mg/Kg	1
07021-021	Q-19 (4.0-6.0)	4 / 6	7/13/2012@10:44	Soil	mg/Kg	1
07021-022	T-27 (0-2.0)	0 / 2	7/13/2012@11:05	Soil	mg/Kg	1
07021-023	T-27 (2.0-4.0)	2 / 4	7/13/2012@11:06	Soil	mg/Kg	1
07021-024	T-27 (4.0-6.0)	4 / 6	7/13/2012@11:07	Soil	mg/Kg	1
07021-025	T-28 (0-2.0)	0 / 2	7/13/2012@11:38	Soil	mg/Kg	1
07021-026	T-28 (2.0-4.0)	2 / 4	7/13/2012@11:39	Soil	mg/Kg	1
07021-027	T-28 (4.0-6.0)	4 / 6	7/13/2012@11:40	Soil	mg/Kg	1
07021-028	U-27 (0-2.0)	0 / 2	7/13/2012@11:59	Soil	mg/Kg	1
07021-029	U-27 (2.0-4.0)	2 / 4	7/13/2012@12:00	Soil	mg/Kg	1

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

PROJECT INFORMATION

E12-07021

Case No. E12-07021 **Project** ARSYNCO

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
07021-030	U-27 (4.0-6.0)	4 / 6	7/13/2012@12:01	Soil	mg/Kg	1
07021-031	U-28 (0-2.0)	0 / 2	7/13/2012@12:58	Soil	mg/Kg	1
07021-032	U-28 (2.0-4.0)	2 / 4	7/13/2012@12:59	Soil	mg/Kg	1
07021-033	U-28 (4.0-6.0)	4 / 6	7/13/2012@13:03	Soil	mg/Kg	1
07021-034	T-30 (0-2.0)	0 / 2	7/13/2012@13:28	Soil	mg/Kg	1
07021-035	T-30 (2.0-4.0)	2 / 4	7/13/2012@13:29	Soil	mg/Kg	1
07021-036	T-30 (4.0-6.0)	4 / 6	7/13/2012@13:31	Soil	mg/Kg	1
07021-037	U-29 (0-2.0)	0 / 2	7/13/2012@14:25	Soil	mg/Kg	1
07021-038	U-29 (2.0-4.0)	2 / 4	7/13/2012@14:26	Soil	mg/Kg	1
07021-039	U-29 (4.0-4.5)	4 / 4.5	7/13/2012@14:27	Soil	mg/Kg	1
07021-040	U-29 (4.5-6.0)	4.5 / 6	7/13/2012@14:28	Soil	mg/Kg	1
07021-041	FB-12	n/a	7/13/2012@14:42	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
032	TCL PCB	Run	8082
033	TCL PCB	Run	8082

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

PROJECT INFORMATION

E12-07021

Case No. E12-07021 **Project** ARSYNCO

Sample #	Tests	Status	QA Method
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

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

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 12** **07021** CLIENT: JMC

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

Comments

COC: (COMPLETE) / INCOMPLETE

KEY

✓ = **YES/NA**
✗ = **NO**

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

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

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [ ] DATE 7/13/12

CORRECTIVE ACTION REQUIRED: YES [ ] (SEE BELOW) **NO** [ ]

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

CLIENT NOTIFIED: YES [ ] Date/ Time: _____ NO [ ]

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL [ ] DATE 7/E12-07021

REV 03/2009

Laboratory Custody Chronicle

IAL Case No.
E12-07021

Client JMC Environmental Consultants

Project ARSYNCO

Received On 7/13/2012@16:20

Department: GC

			Prep. Date	Analyst	Analysis Date	Analyst
TCL PCB	07021-001	Soil	7/23/12	Archimede	7/28/12	Julia
"	-002	"	7/23/12	Archimede	7/28/12	Julia
"	-003	"	7/23/12	Archimede	7/28/12	Julia
"	-004	"	7/23/12	Archimede	7/28/12	Julia
"	-005	"	7/23/12	Archimede	7/28/12	Julia
"	-006	"	7/23/12	Archimede	7/28/12	Julia
"	-007	"	7/23/12	Archimede	7/28/12	Julia
"	-008	"	7/23/12	Archimede	7/28/12	Julia
"	-009	"	7/23/12	Archimede	7/28/12	Julia
"	-010	"	7/23/12	Archimede	7/28/12	Julia
"	-011	"	7/23/12	Archimede	7/28/12	Julia
"	-012	"	7/23/12	Archimede	7/28/12	Julia
"	-013	"	7/23/12	Archimede	7/28/12	Julia
"	-014	"	7/23/12	Archimede	7/28/12	Julia
"	-015	"	7/23/12	Archimede	7/28/12	Julia
"	-016	"	7/23/12	Archimede	7/28/12	Julia
"	-017	"	7/23/12	Archimede	7/28/12	Julia
"	-018	"	7/23/12	Archimede	7/25/12	Julia
"	-019	"	7/23/12	Archimede	7/25/12	Julia
"	-020	"	7/23/12	Archimede	7/25/12	Julia
"	-021	"	7/23/12	Archimede	7/25/12	Julia
"	-022	"	7/23/12	Archimede	7/25/12	Julia
"	-023	"	7/23/12	Archimede	7/25/12	Julia
"	-024	"	7/23/12	Archimede	7/25/12	Julia
"	-025	"	7/23/12	Archimede	7/25/12	Julia
"	-026	"	7/23/12	Archimede	7/25/12	Julia
"	-027	"	7/23/12	Archimede	7/25/12	Julia
"	-028	"	7/23/12	Archimede	7/27/12	Julia
"	-029	"	7/23/12	Archimede	7/25/12	Julia
"	-030	"	7/23/12	Archimede	7/25/12	Julia
"	-031	"	7/23/12	Archimede	7/25/12	Julia
"	-032	"	7/23/12	Archimede	7/25/12	Julia
"	-033	"	7/23/12	Archimede	7/25/12	Julia
"	-034	"	7/23/12	Archimede	7/27/12	Julia
"	-035	"	7/23/12	Archimede	7/25/12	Julia
"	-036	"	7/23/12	Archimede	7/25/12	Julia
"	-037	"	7/23/12	Archimede	7/27/12	Julia
"	-038	"	7/23/12	Archimede	7/26/12	Julia
"	-039	"	7/23/12	Archimede	7/26/12	Julia
"	-040	"	7/23/12	Archimede	7/25/12	Julia
"	-041	Aqueous	7/19/12	Archimede	7/24/12	Julia

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