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: **E12-10376**

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.

E12-10376

Client JMC Environmental Consultants

Project ARSYNCO

Received On 10/11/2012@17:05

Lab ID	Client Sample ID	Depth Top/Bottom	Sampling Time	Matrix	# of Container
10376-001	X-45 (0-1.0)	0/1	10/11/2012@09:14	Soil	1
10376-002	X-45 (1.0-2.0)	1/2	10/11/2012@09:15	Soil	1
10376-003	X-45 (2.0-3.0)	2/3	10/11/2012@09:16	Soil	1
10376-004	X-45 (3.0-4.0)	3/4	10/11/2012@09:17	Soil	1
10376-005	X-44 (0-1.0)	0/1	10/11/2012@10:08	Soil	1
10376-006	X-44 (1.0-2.0)	1/2	10/11/2012@10:09	Soil	1
10376-007	X-44 (2.0-3.0)	2/3	10/11/2012@10:10	Soil	1
10376-008	X-44 (3.0-4.0)	3/4	10/11/2012@10:11	Soil	1
10376-009	W-45 (0-1.0)	0/1	10/11/2012@10:53	Soil	1
10376-010	W-45 (1.0-2.0)	1/2	10/11/2012@10:54	Soil	1
10376-011	W-45 (2.0-3.0)	2/3	10/11/2012@10:55	Soil	1
10376-012	W-45 (3.0-4.0)	3/4	10/11/2012@10:56	Soil	1
10376-013	W-44 (0-1.0)	0/1	10/11/2012@11:35	Soil	1
10376-014	W-44 (1.0-2.0)	1/2	10/11/2012@11:36	Soil	1
10376-015	W-44 (2.0-3.0)	2/3	10/11/2012@11:37	Soil	1
10376-016	W-44 (3.0-4.0)	3/4	10/11/2012@11:38	Soil	1
10376-017	V-45 (0-1.0)	0/1	10/11/2012@12:14	Soil	1
10376-018	V-45 (1.0-2.0)	1/2	10/11/2012@12:15	Soil	1
10376-019	V-45 (2.0-3.0)	2/3	10/11/2012@12:16	Soil	1
10376-020	V-45 (3.0-4.0)	3/4	10/11/2012@12:17	Soil	1
10376-021	II-34 (4.0-5.0)	4/5	10/11/2012@14:15	Soil	1
10376-022	II-34 (5.0-6.0)	5/6	10/11/2012@14:16	Soil	1
10376-023	II-34 (6.0-7.0)	6/7	10/11/2012@14:17	Soil	1
10376-024	II-34 (7.0-8.0)	7/8	10/11/2012@14:18	Soil	1
10376-025	FB-51	n/a	10/11/2012@14:55	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	7
Analytical Results	11
PCBs	
Methodology Summary *	
PCBs	36
PCBs QC Summary	37
Surrogate Percent Recovery Summary	
LCS, MS/MSD Recovery Summary	
Method Blank Summary	
Initial Calibration Summary	
Initial/Continuing Calibration Verification Summary	
Retention Time Shift Summary	
PCBs Sample Data	79
Sample Quant Report and Chromatogram	
Method Blank Results	
Method Blank Quant Report and Chromatogram	
Sample Tracking	140
Chains of Custody	
Project Information	
Sample Receipt Verification	
Laboratory Chronicle	
Last Page of the Report	148

This report was finalized on November 20, 2012

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

DEFINITIONS / QUALIFIERS

DATA QUALIFIERS

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

C Indicates analyte is a common laboratory contaminant.

D Indicated analyte was reported from diluted analysis.

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

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

REPORTING DEFINITIONS

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

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

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

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

DF Dilution Factor

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MS Matrix Spike

MSD Matrix Spike Duplicate

DUP Duplicate

CONFORMANCE / NON-CONFORMANCE SUMMARIES

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received one (1) aqueous and twenty-four (24) soil sample(s) from JMC Environmental Consultants (IAL SDG # E12-10376, Project: ARSYNCO) on October 11, 2012 for the analysis of:

(24) TCL PCB

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

Reviewed by

11/13/12
Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E12-10376

PCB By 8082

Batch ID: 121017-10	**Matrix: Soil**

QC

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

E12-10376

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- No dilution performed for each sample for job E12-10376, batch 121017-10.

11/20/12

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E12-10376

PCB By 8082

Batch ID: 121017-07	**Matrix: Soil**

QC

- Calibration Curve met QC criteria.
- Surrogate Percent Recovery met QC criteria.
- Method Blank met QC criteria.
- LCS Percent Recovery met QC criteria.
- MS/MSD Percent Recovery met QC criteria.
- RPD between MS/MSD met QC criteria.
- The RPD between the primary and secondary column was >40% for the following sampls: #1,17,21. Per SW-846 8000C, the lower of the two concentrations were reported.

E12-10376

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- The following samples did not meet NJ SRS criteria:
  10376-005 and 10376-013 needed 10x dilution due to high concentration of 1248.
  The following samples did not meet NJ SRS criteria due to high moisture: 1,2,6,9,10,14,17.

11/20/12

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E12-10376

PCB By 8082

Batch ID: 121018-05	**Matrix: Aqueous**

QC

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

E12-10376

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- sample for job E12-10376 batch 121018-05 performed with no dilution

11/20/12

RESULTS SUMMARY REPORT

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E12-10376

Lab ID:	**10376-025**		
Client ID:	**FB-51**		
Matrix:	**Aqueous**		
Sampled Date	**10/11/12**		
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:	**10376-001**			**10376-002**			**10376-003**			**10376-004**	
Client ID:	**X-45 (0-1.0)**			**X-45 (1.0-2.0)**			**X-45 (2.0-3.0)**			**X-45 (3.0-4.0)**	
Depth:	**0/1**			**1/2**			**2/3**			**3/4**	
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**	
Sampled Date	**10/11/12**			**10/11/12**			**10/11/12**			**10/11/12**	
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		0.090	ND		0.118	ND		0.059	ND	0.020
Aroclor-1221	ND		0.090	ND		0.118	ND		0.059	ND	0.020
Aroclor-1232	ND		0.090	ND		0.118	ND		0.059	ND	0.020
Aroclor-1242	ND		0.090	ND		0.118	ND		0.059	ND	0.020
Aroclor-1248	9.18		0.090	ND		0.118	ND		0.059	ND	0.020
Aroclor-1254	ND		0.090	ND		0.118	ND		0.059	ND	0.020
Aroclor-1260	ND		0.090	ND		0.118	ND		0.059	ND	0.020
Aroclor-1262	ND		0.090	ND		0.118	ND		0.059	ND	0.020
Aroclor-1268	ND		0.090	ND		0.118	ND		0.059	ND	0.020
PCBs	9.18		0.090	ND		0.118	ND		0.059	ND	0.020

Lab ID:	**10376-005**			**10376-006**			**10376-007**			**10376-008**	
Client ID:	**X-44 (0-1.0)**			**X-44 (1.0-2.0)**			**X-44 (2.0-3.0)**			**X-44 (3.0-4.0)**	
Depth:	**0/1**			**1/2**			**2/3**			**3/4**	
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**	
Sampled Date	**10/11/12**			**10/11/12**			**10/11/12**			**10/11/12**	
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		0.912	ND		0.090	ND		0.031	ND	0.018
Aroclor-1221	ND		0.912	ND		0.090	ND		0.031	ND	0.018
Aroclor-1232	ND		0.912	ND		0.090	ND		0.031	ND	0.018
Aroclor-1242	ND		0.912	ND		0.090	ND		0.031	ND	0.018
Aroclor-1248	142		0.912	ND		0.090	ND		0.031	ND	0.018
Aroclor-1254	ND		0.912	ND		0.090	ND		0.031	ND	0.018
Aroclor-1260	ND		0.912	ND		0.090	ND		0.031	ND	0.018
Aroclor-1262	ND		0.912	ND		0.090	ND		0.031	ND	0.018
Aroclor-1268	ND		0.912	ND		0.090	ND		0.031	ND	0.018
PCBs	142		0.912	ND		0.090	ND		0.031	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.: E12-10376

Lab ID:	**10376-009**			**10376-010**			**10376-011**			**10376-012**	
Client ID:	**W-45 (0-1.0)**			**W-45 (1.0-2.0)**			**W-45 (2.0-3.0)**			**W-45 (3.0-4.0)**	
Depth:	**0/1**			**1/2**			**2/3**			**3/4**	
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**	
Sampled Date	**10/11/12**			**10/11/12**			**10/11/12**			**10/11/12**	
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		0.085	ND		0.097	ND		0.068	ND		0.021
Aroclor-1221	ND		0.085	ND		0.097	ND		0.068	ND		0.021
Aroclor-1232	ND		0.085	ND		0.097	ND		0.068	ND		0.021
Aroclor-1242	ND		0.085	ND		0.097	ND		0.068	ND		0.021
Aroclor-1248	9.16		0.085	1.36		0.097	ND		0.068	ND		0.021
Aroclor-1254	ND		0.085	ND		0.097	ND		0.068	ND		0.021
Aroclor-1260	ND		0.085	ND		0.097	ND		0.068	ND		0.021
Aroclor-1262	ND		0.085	ND		0.097	ND		0.068	ND		0.021
Aroclor-1268	ND		0.085	ND		0.097	ND		0.068	ND		0.021
PCBs	9.16		0.085	1.36		0.097	ND		0.068	ND		0.021

Lab ID:	**10376-013**			**10376-014**			**10376-015**			**10376-016**	
Client ID:	**W-44 (0-1.0)**			**W-44 (1.0-2.0)**			**W-44 (2.0-3.0)**			**W-44 (3.0-4.0)**	
Depth:	**0/1**			**1/2**			**2/3**			**3/4**	
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**	
Sampled Date	**10/11/12**			**10/11/12**			**10/11/12**			**10/11/12**	
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		0.746	ND		0.116	ND		0.031	ND		0.018
Aroclor-1221	ND		0.746	ND		0.116	ND		0.031	ND		0.018
Aroclor-1232	ND		0.746	ND		0.116	ND		0.031	ND		0.018
Aroclor-1242	ND		0.746	ND		0.116	ND		0.031	ND		0.018
Aroclor-1248	44.9		0.746	ND		0.116	ND		0.031	ND		0.018
Aroclor-1254	ND		0.746	ND		0.116	ND		0.031	ND		0.018
Aroclor-1260	ND		0.746	ND		0.116	ND		0.031	ND		0.018
Aroclor-1262	ND		0.746	ND		0.116	ND		0.031	ND		0.018
Aroclor-1268	ND		0.746	ND		0.116	ND		0.031	ND		0.018
PCBs	44.9		0.746	ND		0.116	ND		0.031	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.: E12-10376

Lab ID:	10376-017			10376-018			10376-019			10376-020		
Client ID:	V-45 (0-1.0)			V-45 (1.0-2.0)			V-45 (2.0-3.0)			V-45 (3.0-4.0)		
Depth:	0/1			1/2			2/3			3/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	10/11/12			10/11/12			10/11/12			10/11/12		
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		0.083	ND		0.092	ND		0.022	ND		0.020
Aroclor-1221	ND		0.083	ND		0.092	ND		0.022	ND		0.020
Aroclor-1232	ND		0.083	ND		0.092	ND		0.022	ND		0.020
Aroclor-1242	ND		0.083	ND		0.092	ND		0.022	ND		0.020
Aroclor-1248	17.2		0.083	ND		0.092	ND		0.022	ND		0.020
Aroclor-1254	ND		0.083	ND		0.092	ND		0.022	ND		0.020
Aroclor-1260	6.01		0.083	ND		0.092	ND		0.022	ND		0.020
Aroclor-1262	ND		0.083	ND		0.092	ND		0.022	ND		0.020
Aroclor-1268	ND		0.083	ND		0.092	ND		0.022	ND		0.020
PCBs	23.2		0.083	ND		0.092	ND		0.022	ND		0.020

Lab ID:	10376-021			10376-022			10376-023			10376-024		
Client ID:	II-34 (4.0-5.0)			II-34 (5.0-6.0)			II-34 (6.0-7.0)			II-34 (7.0-8.0)		
Depth:	4/5			5/6			6/7			7/8		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	10/11/12			10/11/12			10/11/12			10/11/12		
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		0.017	~		~
Aroclor-1221	ND		0.017	ND		0.019	ND		0.017	~		~
Aroclor-1232	ND		0.017	ND		0.019	ND		0.017	~		~
Aroclor-1242	ND		0.017	ND		0.019	ND		0.017	~		~
Aroclor-1248	ND		0.017	1.20		0.019	0.032	J	0.017	~		~
Aroclor-1254	ND		0.017	ND		0.019	ND		0.017	~		~
Aroclor-1260	ND		0.017	ND		0.019	ND		0.017	~		~
Aroclor-1262	ND		0.017	ND		0.019	ND		0.017	~		~
Aroclor-1268	ND		0.017	ND		0.019	ND		0.017	~		~
PCBs	ND		0.017	1.20		0.019	0.032	J	0.017	~		~

ND = Analyzed for but Not Detected at the MDL
~=Sample not analyzed for

ANALYTICAL RESULTS

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-001
Client ID: X-45_(0-1.
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/19/2012
Data file: Y2712.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.12g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 82.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.226	0.090
Aroclor-1221	ND		0.226	0.090
Aroclor-1232	ND		0.226	0.090
Aroclor-1242	ND		0.226	0.090
Aroclor-1248	9.18		0.226	0.090
Aroclor-1254	ND		0.226	0.090
Aroclor-1260	ND		0.226	0.090
Aroclor-1262	ND		0.226	0.090
Aroclor-1268	ND		0.226	0.090
PCBs	9.18		0.226	0.090

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-002
Client ID: X-45_(1.0-
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/19/2012
Data file: Y2713.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.18g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 86.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.295	0.118
Aroclor-1221	ND		0.295	0.118
Aroclor-1232	ND		0.295	0.118
Aroclor-1242	ND		0.295	0.118
Aroclor-1248	ND		0.295	0.118
Aroclor-1254	ND		0.295	0.118
Aroclor-1260	ND		0.295	0.118
Aroclor-1262	ND		0.295	0.118
Aroclor-1268	ND		0.295	0.118
PCBs	ND		0.295	0.118

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-003
Client ID: X-45_(2.0-
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/19/2012
Data file: Y2714.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.63g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 75.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.147	0.059
Aroclor-1221	ND		0.147	0.059
Aroclor-1232	ND		0.147	0.059
Aroclor-1242	ND		0.147	0.059
Aroclor-1248	ND		0.147	0.059
Aroclor-1254	ND		0.147	0.059
Aroclor-1260	ND		0.147	0.059
Aroclor-1262	ND		0.147	0.059
Aroclor-1268	ND		0.147	0.059
PCBs	ND		0.147	0.059

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-004
Client ID: X-45_(3.0-
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/19/2012
Data file: Y2715.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.21g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 22.6

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-005
Client ID: X-44_(0-1.
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/24/2012
Data file: Y2822.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.48g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 84.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		2.28	0.912
Aroclor-1221	ND		2.28	0.912
Aroclor-1232	ND		2.28	0.912
Aroclor-1242	ND		2.28	0.912
Aroclor-1248	142		2.28	0.912
Aroclor-1254	ND		2.28	0.912
Aroclor-1260	ND		2.28	0.912
Aroclor-1262	ND		2.28	0.912
Aroclor-1268	ND		2.28	0.912
PCBs	142		2.28	0.912

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-006
Client ID: X-44_(1.0-
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/19/2012
Data file: Y2717.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.84g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 84.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.225	0.090
Aroclor-1221	ND		0.225	0.090
Aroclor-1232	ND		0.225	0.090
Aroclor-1242	ND		0.225	0.090
Aroclor-1248	ND		0.225	0.090
Aroclor-1254	ND		0.225	0.090
Aroclor-1260	ND		0.225	0.090
Aroclor-1262	ND		0.225	0.090
Aroclor-1268	ND		0.225	0.090
PCBs	ND		0.225	0.090

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-007
Client ID: X-44_(2.0-
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/19/2012
Data file: Y2718.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.25g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 50.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.077	0.031
Aroclor-1221	ND		0.077	0.031
Aroclor-1232	ND		0.077	0.031
Aroclor-1242	ND		0.077	0.031
Aroclor-1248	ND		0.077	0.031
Aroclor-1254	ND		0.077	0.031
Aroclor-1260	ND		0.077	0.031
Aroclor-1262	ND		0.077	0.031
Aroclor-1268	ND		0.077	0.031
PCBs	ND		0.077	0.031

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-008
Client ID: X-44_(3.0-
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/19/2012
Data file: Y2719.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.78g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 22.9

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: 10376-009
Client ID: W-45_(0-1.
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/19/2012
Data file: Y2720.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.49g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 82.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.213	0.085
Aroclor-1221	ND		0.213	0.085
Aroclor-1232	ND		0.213	0.085
Aroclor-1242	ND		0.213	0.085
Aroclor-1248	9.16		0.213	0.085
Aroclor-1254	ND		0.213	0.085
Aroclor-1260	ND		0.213	0.085
Aroclor-1262	ND		0.213	0.085
Aroclor-1268	ND		0.213	0.085
PCBs	9.16		0.213	0.085

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-010
Client ID: W-45_(1.0-
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/19/2012
Data file: Y2721.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.75g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 85.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.243	0.097
Aroclor-1221	ND		0.243	0.097
Aroclor-1232	ND		0.243	0.097
Aroclor-1242	ND		0.243	0.097
Aroclor-1248	1.36		0.243	0.097
Aroclor-1254	ND		0.243	0.097
Aroclor-1260	ND		0.243	0.097
Aroclor-1262	ND		0.243	0.097
Aroclor-1268	ND		0.243	0.097
PCBs	1.36		0.243	0.097

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-011
Client ID: W-45_(2.0-
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/19/2012
Data file: Y2722.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.39g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 78.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.169	0.068
Aroclor-1221	ND		0.169	0.068
Aroclor-1232	ND		0.169	0.068
Aroclor-1242	ND		0.169	0.068
Aroclor-1248	ND		0.169	0.068
Aroclor-1254	ND		0.169	0.068
Aroclor-1260	ND		0.169	0.068
Aroclor-1262	ND		0.169	0.068
Aroclor-1268	ND		0.169	0.068
PCBs	ND		0.169	0.068

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-012
Client ID: W-45_(3.0-
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/19/2012
Data file: Y2723.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.17g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 24.4

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: 10376-013
Client ID: W-44_(0-1.
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/24/2012
Data file: Y2823.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.44g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 80.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		1.87	0.746
Aroclor-1221	ND		1.87	0.746
Aroclor-1232	ND		1.87	0.746
Aroclor-1242	ND		1.87	0.746
Aroclor-1248	44.9		1.87	0.746
Aroclor-1254	ND		1.87	0.746
Aroclor-1260	ND		1.87	0.746
Aroclor-1262	ND		1.87	0.746
Aroclor-1268	ND		1.87	0.746
PCBs	44.9		1.87	0.746

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-014
Client ID: W-44_(1.0-
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/19/2012
Data file: Y2725.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.27g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 86.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.290	0.116
Aroclor-1221	ND		0.290	0.116
Aroclor-1232	ND		0.290	0.116
Aroclor-1242	ND		0.290	0.116
Aroclor-1248	ND		0.290	0.116
Aroclor-1254	ND		0.290	0.116
Aroclor-1260	ND		0.290	0.116
Aroclor-1262	ND		0.290	0.116
Aroclor-1268	ND		0.290	0.116
PCBs	ND		0.290	0.116

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-015
Client ID: W-44_(2.0-
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/19/2012
Data file: Y2726.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.87g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 55.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.077	0.031
Aroclor-1221	ND		0.077	0.031
Aroclor-1232	ND		0.077	0.031
Aroclor-1242	ND		0.077	0.031
Aroclor-1248	ND		0.077	0.031
Aroclor-1254	ND		0.077	0.031
Aroclor-1260	ND		0.077	0.031
Aroclor-1262	ND		0.077	0.031
Aroclor-1268	ND		0.077	0.031
PCBs	ND		0.077	0.031

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-016
Client ID: W-44_(3.0-
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/19/2012
Data file: Y2727.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.46g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.046	0.018
Aroclor-1221	ND		0.046	0.018
Aroclor-1232	ND		0.046	0.018
Aroclor-1242	ND		0.046	0.018
Aroclor-1248	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: 10376-017
Client ID: V-45_(0-1.
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/24/2012
Data file: Y2824.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.56g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 82.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.207	0.083
Aroclor-1221	ND		0.207	0.083
Aroclor-1232	ND		0.207	0.083
Aroclor-1242	ND		0.207	0.083
Aroclor-1248	17.2		0.207	0.083
Aroclor-1254	ND		0.207	0.083
Aroclor-1260	6.01		0.207	0.083
Aroclor-1262	ND		0.207	0.083
Aroclor-1268	ND		0.207	0.083
PCBs	23.2		0.207	0.083

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-018
Client ID: V-45_(1.0-
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/20/2012
Data file: Y2737.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.51g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 84.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.230	0.092
Aroclor-1221	ND		0.230	0.092
Aroclor-1232	ND		0.230	0.092
Aroclor-1242	ND		0.230	0.092
Aroclor-1248	ND		0.230	0.092
Aroclor-1254	ND		0.230	0.092
Aroclor-1260	ND		0.230	0.092
Aroclor-1262	ND		0.230	0.092
Aroclor-1268	ND		0.230	0.092
PCBs	ND		0.230	0.092

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-019
Client ID: V-45_(2.0-
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/20/2012
Data file: Y2738.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.09g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 29.5

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

E12-10376 0030

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-020
Client ID: V-45_(3.0-
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/20/2012
Data file: Y2739.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.08g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 21.8

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-021
Client ID: II-34_(4.0
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/20/2012
Data file: Y2740.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.80g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.9

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-022
Client ID: II-34_(5.0
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/20/2012
Data file: Y2741.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.40g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 21.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.047	0.019
Aroclor-1221	ND		0.047	0.019
Aroclor-1232	ND		0.047	0.019
Aroclor-1242	ND		0.047	0.019
Aroclor-1248	1.20		0.047	0.019
Aroclor-1254	ND		0.047	0.019
Aroclor-1260	ND		0.047	0.019
Aroclor-1262	ND		0.047	0.019
Aroclor-1268	ND		0.047	0.019
PCBs	1.20		0.047	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-023
Client ID: II-34_(6.0
Date Received: 10/11/2012
Date Extracted: 10/17/2012
Date Analyzed: 10/20/2012
Data file: Y2742.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.51g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 14.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.043	0.017
Aroclor-1221	ND		0.043	0.017
Aroclor-1232	ND		0.043	0.017
Aroclor-1242	ND		0.043	0.017
Aroclor-1248	0.032	J	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	0.032	J	0.043	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 10376-025
Client ID: FB-51
Date Received: 10/11/2012
Date Extracted: 10/18/2012
Date Analyzed: 10/22/2012
Data file: Y2784.D

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

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

PCB DATA

PCB QC SUMMARY

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/19/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS121017-07	SOIL	72		58		72		62	
X-43_(7.0-	10332-020	SOIL	72		62		73		74	
#2	10482-002	SOIL	28	*	51		45		61	
WC	10297-001	SOIL	69		57		73		70	
X-45_(0-1.	10376-001	SOIL	87		67		92		73	
X-45_(1.0-	10376-002	SOIL	88		68		93		86	
X-45_(2.0-	10376-003	SOIL	85		66		90		77	
X-45_(3.0-	10376-004	SOIL	75		55		74		65	
X-44_(1.0-	10376-006	SOIL	86		63		94		103	
X-44_(2.0-	10376-007	SOIL	80		56		83		66	
X-44_(3.0-	10376-008	SOIL	73		55		75		64	
W-45_(0-1.	10376-009	SOIL	85		63		89		75	
W-45_(1.0-	10376-010	SOIL	78		64		89		78	
W-45_(2.0-	10376-011	SOIL	82		56		88		75	
W-45_(3.0-	10376-012	SOIL	72		50		73		62	
W-44_(1.0-	10376-014	SOIL	80		54		88		97	
W-44_(2.0-	10376-015	SOIL	85		59		90		77	
W-44_(3.0-	10376-016	SOIL	70		46		74		60	
PCB	10482-002MS	SOIL	28	*	51		44		69	
PCB	10482-002MSD	SOIL	28	*	48		45		55	
PCB	LCSS121017-07	SOIL	69		47		72		58	
X-44_(0-1.	10376-005	SOIL	65		41		68		59	
W-44_(0-1.	10376-013	SOIL	69		37		71		58	
V-45_(0-1.	10376-017	SOIL	58		37		66		59	

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

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

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/20/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS121017-10	SOIL	71		57		74		69	
COMPOSITE	10340-001	SOIL	73		57		72		62	
Q-48_(3.0-	10413-012	SOIL	74		57		74		75	
V-45_(1.0-	10376-018	SOIL	83		78		97		82	
V-45_(2.0-	10376-019	SOIL	77		52		78		73	
V-45_(3.0-	10376-020	SOIL	75		54		76		73	
II-34_(4.0	10376-021	SOIL	76		59		79		74	
II-34_(5.0	10376-022	SOIL	70		57		74		72	
II-34_(6.0	10376-023	SOIL	71		59		74		63	
II-34_(7.0	10376-024	SOIL	70		56		72		69	
R-48_(0-1.	10413-001	SOIL	92		74		99		90	
R-48_(1.0-	10413-002	SOIL	91		70		96		87	
R-48_(2.0-	10413-003	SOIL	77		53		78		65	
R-48_(3.0-	10413-004	SOIL	75		57		76		63	
R-47_(1.0-	10413-005	SOIL	88		72		94		94	
R-47_(0-1.	10413-006	SOIL	84		54		89		85	
R-47_(2.0-	10413-007	SOIL	86		58		90		92	
R-47_(3.0-	10413-008	SOIL	74		55		75		62	
Q-48_(0-1.	10413-009	SOIL	76		48		79		71	
Q-48_(1.0-	10413-010	SOIL	66		78		88		91	
Q-48_(2.0-	10413-011	SOIL	83		64		89		88	
PCB	10340-001MS	SOIL	69		49		70		56	
PCB	10340-001MSD	SOIL	70		54		70		57	
PCB	LCSS121017-10	SOIL	70		54		70		67	

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

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

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/22/2012

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKA121018-05	AQUEOUS	74		80		73		81	
FB-51	10376-025	AQUEOUS	68		100		69		116	
FB/3.5-4	10402-008	AQUEOUS	74		86		73		97	
FB-52	10413-017	AQUEOUS	102		147		102		148	
MW-3	10441-003	AQUEOUS	74		97		73		106	
PCB	10441-003MS	AQUEOUS	87		104		88		115	
PCB	10441-003MSD	AQUEOUS	78		96		78		110	
PCB	LCSA121018-05	AQUEOUS	136		129		134		138	

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

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

SOIL PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: LCSS121017-07

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	643.5	129	40 - 140
Aroclor-1260	500.0	0.0	567.3	113	40 - 140

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

* Values outside of QC limits

NC Non calculable

Spike Recovery: __0___ out of __2__ outside limits

SOIL PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: LCSS121017-10

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	621.7	124	40 - 140
Aroclor-1260	500.0	0.0	592.6	119	40 - 140

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

* Values outside of QC limits

NC Non calculable

Spike Recovery: __0___ out of __2__ outside limits

AQUEOUS PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: LCSA121018-05

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	651.6	130	40 - 140
Aroclor-1260	500.0	0.0	658.1	132	40 - 140

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

* Values outside of QC limits

NC Non calculable

Spike Recovery: __0___ out of __2__ outside limits

SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 10482-002

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	244.1	49	40 - 140
Aroclor-1260	500.0	0.0	441.2	88	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	#	MSD % REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	243.8		49	0	50	40 - 140
Aroclor-1260	0.0	438.3		88	0	50	40 - 140

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

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __2__ outside limits

Spike Recovery: __0___ out of __4__ outside limits

SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 10340-001

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	565.5	113	40 - 140
Aroclor-1260	500.0	0.0	553.3	111	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	571.6	114	1	50	40 - 140
Aroclor-1260	0.0	571.6	114	3	50	40 - 140

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

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __2__ outside limits

Spike Recovery: __0___ out of __4__ outside limits

AQUEOUS PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 10441-003

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	401.2	80	40 - 140
Aroclor-1260	500.0	0.0	527.6	106	40 - 140

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	#	MSD % REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	470.5		94	16	50	40 - 140
Aroclor-1260	0.0	521.9		104	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

PCB METHOD BLANK SUMMARY

Lab File ID: Y2708.D

Instrument ID: GC-Y

Date Extracted: 10/17/2012

Matrix: SOIL

Date Analyzed: 10/19/2012

Time Analyzed: 18:11

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
X-43_(7.0-	10332-020	10/19/2012	18:28
#2	10482-002	10/19/2012	18:45
WC	10297-001	10/19/2012	19:02
X-45_(0-1.	10376-001	10/19/2012	19:20
X-45_(1.0-	10376-002	10/19/2012	19:37
X-45_(2.0-	10376-003	10/19/2012	19:54
X-45_(3.0-	10376-004	10/19/2012	20:11
X-44_(1.0-	10376-006	10/19/2012	20:46
X-44_(2.0-	10376-007	10/19/2012	21:03
X-44_(3.0-	10376-008	10/19/2012	21:20
W-45_(0-1.	10376-009	10/19/2012	21:37
W-45_(1.0-	10376-010	10/19/2012	21:54
W-45_(2.0-	10376-011	10/19/2012	22:12
W-45_(3.0-	10376-012	10/19/2012	22:29
W-44_(1.0-	10376-014	10/19/2012	23:03
W-44_(2.0-	10376-015	10/19/2012	23:20
W-44_(3.0-	10376-016	10/19/2012	23:38
PCB	10482-002MS	10/20/2012	00:12
PCB	10482-002MSD	10/20/2012	00:29
PCB	LCSS121017-07	10/20/2012	00:46
X-44_(0-1.	10376-005	10/24/2012	10:59
W-44_(0-1.	10376-013	10/24/2012	11:17
V-45_(0-1.	10376-017	10/24/2012	11:34

PCB METHOD BLANK SUMMARY

Lab File ID: Y2734.D

Instrument ID: GC-Y

Date Extracted: 10/17/2012

Matrix: SOIL

Date Analyzed: 10/20/2012

Time Analyzed: 01:38

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
COMPOSITE	10340-001	10/20/2012	01:55
Q-48_(3.0-	10413-012	10/20/2012	02:12
V-45_(1.0-	10376-018	10/20/2012	02:30
V-45_(2.0-	10376-019	10/20/2012	02:47
V-45_(3.0-	10376-020	10/20/2012	03:04
II-34_(4.0	10376-021	10/20/2012	03:21
II-34_(5.0	10376-022	10/20/2012	03:38
II-34_(6.0	10376-023	10/20/2012	03:55
II-34_(7.0	10376-024	10/20/2012	04:13
R-48_(0-1.	10413-001	10/20/2012	04:30
R-48_(1.0-	10413-002	10/20/2012	04:47
R-48_(2.0-	10413-003	10/20/2012	05:04
R-48_(3.0-	10413-004	10/20/2012	05:21
R-47_(1.0-	10413-005	10/20/2012	05:39
R-47_(0-1.	10413-006	10/20/2012	05:56
R-47_(2.0-	10413-007	10/20/2012	06:13
R-47_(3.0-	10413-008	10/20/2012	06:30
Q-48_(0-1.	10413-009	10/20/2012	06:47
Q-48_(1.0-	10413-010	10/20/2012	07:05
Q-48_(2.0-	10413-011	10/20/2012	07:22
PCB	10340-001MS	10/20/2012	07:39
PCB	10340-001MSD	10/20/2012	07:56
PCB	LCSS121017-10	10/20/2012	08:13

PCB METHOD BLANK SUMMARY

Lab File ID: Y2783.D

Instrument ID: GC-Y

Date Extracted: 10/18/2012

Matrix: AQUEOUS

Date Analyzed: 10/22/2012

Time Analyzed: 23:37

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FB-51	10376-025	10/22/2012	23:54
FB/3.5-4	10402-008	10/23/2012	00:12
FB-52	10413-017	10/23/2012	00:29
MW-3	10441-003	10/23/2012	00:46
PCB	10441-003MS	10/23/2012	01:03
PCB	10441-003MSD	10/23/2012	01:20
PCB	LCSA121018-05	10/23/2012	01:37

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

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

Data File: Y2063.D Y2062.D Y2061.D Y2060.D Y2059.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1016	3.28	3.28	3.27	3.28	3.28	3.28	3.21	3.35
Aroclor-1016 {2}	4.11	4.11	4.10	4.11	4.11	4.11	4.04	4.18
Aroclor-1016 {3}	4.66	4.66	4.65	4.66	4.66	4.66	4.59	4.73
Aroclor-1016 {4}	5.16	5.17	5.16	5.16	5.16	5.16	5.09	5.23
Aroclor-1016 {5}	5.56	5.56	5.55	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}			6.34				6.27	6.41
Aroclor-1248			4.51				4.43	4.59
Aroclor-1248 {2}			5.05				4.97	5.13
Aroclor-1248 {3}			5.37				5.29	5.45
Aroclor-1248 {4}			6.06				5.98	6.14
Aroclor-1248 {5}			6.34				6.26	6.42
Aroclor-1254			6.45				6.37	6.53
Aroclor-1254 {2}			6.89				6.81	6.97
Aroclor-1254 {3}			7.05				6.96	7.14
Aroclor-1254 {4}			7.50				7.41	7.59
Aroclor-1254 {5}			8.34				8.25	8.43
Aroclor-1260	8.33	8.33	8.33	8.33	8.33	8.33	7.43	9.23
Aroclor-1260 {2}	9.06	9.00	9.00	9.00	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: 09/28/2012

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

Data File: Y2063.D Y2062.D Y2061.D Y2060.D Y2059.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	1779381	1807127	1752108	1741470	1660770	1748171	3.15
Aroclor-1016 {2}	2574827	2260932	2278275	2344672	2289314	2349604	5.52
Aroclor-1016 {3}	3533740	3287454	3077138	3146427	3073575	3223667	6.01
Aroclor-1016 {4}	1732880	1694284	1613057	1535403	1443259	1603777	7.34
Aroclor-1016 {5}	2528573	2647173	2337248	2406226	2382273	2460298	5.13
Aroclor-1221			614158				
Aroclor-1221 {2}			1208996				
Aroclor-1221 {3}			648662				
Aroclor-1221 {4}			2516981				
Aroclor-1221 {5}			464483				
Aroclor-1232			1750895				
Aroclor-1232 {2}			941481				
Aroclor-1232 {3}			838423				
Aroclor-1232 {4}			835162				
Aroclor-1232 {5}			1167067				
Aroclor-1242			1903136				
Aroclor-1242 {2}			1112773				
Aroclor-1242 {3}			1592773				
Aroclor-1242 {4}			2720180				
Aroclor-1242 {5}			2317530				
Aroclor-1248			3951338				
Aroclor-1248 {2}			2154676				
Aroclor-1248 {3}			2899853				
Aroclor-1248 {4}			5160574				
Aroclor-1248 {5}			3456175				
Aroclor-1254			5168566				
Aroclor-1254 {2}			3262869				
Aroclor-1254 {3}			6437833				
Aroclor-1254 {4}			6443887				
Aroclor-1254 {5}			5774478				
Aroclor-1260	6327794	6243919	6135968	6163523	5699027	6114046	3.99
Aroclor-1260 {2}	2876290	2626739	2607516	2655567	2626505	2678523	4.18
Aroclor-1260 {3}	7388079	6928094	7012809	6539936	6568055	6887395	5.09
Aroclor-1260 {4}	3895682	3722656	3417689	3267016	3182453	3497099	8.67
Aroclor-1260 {5}	2144231	2070397	1701079	1867931	1397406	1836209	16.37
						Average %RSD	6.54

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

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

Data File: Y2063.C Y2062.C Y2061.C Y2060.C Y2059.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1016	3.77	3.77	3.78	3.77	3.77	3.77	3.70	3.84
Aroclor-1016 {2}	4.37	4.37	4.38	4.37	4.37	4.37	4.30	4.44
Aroclor-1016 {3}	5.12	5.12	5.13	5.12	5.12	5.12	5.05	5.19
Aroclor-1016 {4}	5.33	5.33	5.34	5.33	5.33	5.33	5.26	5.40
Aroclor-1016 {5}	5.50	5.50	5.51	5.50	5.50	5.51	5.44	5.58
Aroclor-1221			2.45				2.38	2.52
Aroclor-1221 {2}			3.45				3.38	3.52
Aroclor-1221 {3}			3.69				3.62	3.76
Aroclor-1221 {4}			3.78				3.71	3.85
Aroclor-1221 {5}			5.13				5.06	5.20
Aroclor-1232			3.77				3.70	3.84
Aroclor-1232 {2}			4.75				4.68	4.82
Aroclor-1232 {3}			5.33				5.26	5.40
Aroclor-1232 {4}			5.51				5.44	5.58
Aroclor-1232 {5}			6.10				6.03	6.17
Aroclor-1242			4.75				4.68	4.82
Aroclor-1242 {2}			5.50				5.43	5.57
Aroclor-1242 {3}			6.10				6.03	6.17
Aroclor-1242 {4}			6.26				6.19	6.33
Aroclor-1242 {5}			6.81				6.74	6.88
Aroclor-1248			5.12				5.04	5.20
Aroclor-1248 {2}			5.70				5.62	5.78
Aroclor-1248 {3}			6.10				6.02	6.18
Aroclor-1248 {4}			6.26				6.18	6.34
Aroclor-1248 {5}			6.61				6.53	6.69
Aroclor-1254			7.10				7.02	7.18
Aroclor-1254 {2}			7.68				7.60	7.76
Aroclor-1254 {3}			8.30				8.21	8.39
Aroclor-1254 {4}			8.53				8.44	8.62
Aroclor-1254 {5}			9.12				9.03	9.21
Aroclor-1260	7.87	7.86	7.87	7.86	7.86	7.87	6.97	8.77
Aroclor-1260 {2}	8.12	8.12	8.12	8.12	8.12	8.12	7.22	9.02
Aroclor-1260 {3}	9.71	9.71	9.71	9.70	9.71	9.71	8.81	10.61
Aroclor-1260 {4}	10.21	10.21	10.22	10.21	10.21	10.21	9.31	11.11
Aroclor-1260 {5}	10.81	10.80	10.81	10.80	10.80	10.80	9.90	11.70

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

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

Data File: Y2063.C Y2062.C Y2061.C Y2060.C Y2059.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	474153	653334	555412	522410	467733	534609	14.12
Aroclor-1016 {2}	982768	1296921	1043676	993576	918138	1047016	14.01
Aroclor-1016 {3}	2145189	2773453	2315483	2264601	2116218	2322989	11.40
Aroclor-1016 {4}	913651	1225431	969931	952611	878971	988119	13.89
Aroclor-1016 {5}	723211	930535	759763	744168	691466	769829	12.13
Aroclor-1221			227033				
Aroclor-1221 {2}			339121				
Aroclor-1221 {3}			205128				
Aroclor-1221 {4}			785356				
Aroclor-1221 {5}			136345				
Aroclor-1232			566765				
Aroclor-1232 {2}			211836				
Aroclor-1232 {3}			452013				
Aroclor-1232 {4}			348567				
Aroclor-1232 {5}			469831				
Aroclor-1242			403560				
Aroclor-1242 {2}			670955				
Aroclor-1242 {3}			847710				
Aroclor-1242 {4}			700737				
Aroclor-1242 {5}			1361595				
Aroclor-1248			1289913				
Aroclor-1248 {2}			1915529				
Aroclor-1248 {3}			1357383				
Aroclor-1248 {4}			1240834				
Aroclor-1248 {5}			676503				
Aroclor-1254			1660390				
Aroclor-1254 {2}			1294646				
Aroclor-1254 {3}			1245337				
Aroclor-1254 {4}			760763				
Aroclor-1254 {5}			1781367				
Aroclor-1260	811161	973370	768876	757317	708746	803894	12.63
Aroclor-1260 {2}	1113404	1437351	1109646	1099335	1028214	1157590	13.84
Aroclor-1260 {3}	1128256	1114996	927318	911719	932327	1002923	10.84
Aroclor-1260 {4}	2097926	2263313	2000692	1960025	2246118	2113615	6.55
Aroclor-1260 {5}	1503134	1425807	1484200	1386148	1536407	1467139	4.13
					Average %RSD		11.35

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

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

Data File: Y2063.D Y2062.D Y2061.D Y2060.D Y2059.D

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

GC Column (2nd): DB-1701P

Data File: Y2063.C Y2062.C Y2061.C Y2060.C Y2059.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1262			9.71				8.81	8.81
Aroclor-1262 {2}			10.21				9.31	9.31
Aroclor-1262 {3}			10.71				9.81	9.81
Aroclor-1262 {4}			10.80				9.80	9.80
Aroclor-1262 {5}			11.40				10.40	10.40
Aroclor-1268			10.71				9.71	9.71
Aroclor-1268 {2}			10.79				9.69	9.69
Aroclor-1268 {3}			11.04				9.94	9.94
Aroclor-1268 {4}			11.18				10.08	10.08
Aroclor-1268 {5}			12.26				11.16	11.16

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

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

Data File: Y2063.D Y2062.D Y2061.D Y2060.D Y2059.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			5723712				
Aroclor-1262 {2}			11103977				
Aroclor-1262 {3}			3941244				
Aroclor-1262 {4}			4806051				
Aroclor-1262 {5}			3488596				
Aroclor-1268			10400384				
Aroclor-1268 {2}			11807520				
Aroclor-1268 {3}			8682822				
Aroclor-1268 {4}			2580683				
Aroclor-1268 {5}			24120559				

GC Column (2nd): DB-1701P

Data File: Y2063.C Y2062.C Y2061.C Y2060.C Y2059.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			1503307				
Aroclor-1262 {2}			3495508				
Aroclor-1262 {3}			1149322				
Aroclor-1262 {4}			2483364				
Aroclor-1262 {5}			660222				
Aroclor-1268			3095046				
Aroclor-1268 {2}			3474509				
Aroclor-1268 {3}			2744531				
Aroclor-1268 {4}			887397				
Aroclor-1268 {5}			8207458				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/19/2012 **Instrument ID:** GC-Y

Data File: Y2707.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	1748171	1688009	3.44
Aroclor-1016 {2}	4.12	4.04	4.18	2349604	2302847	1.99
Aroclor-1016 {3}	4.67	4.59	4.73	3223667	3185689	1.18
Aroclor-1016 {4}	5.17	5.09	5.23	1603777	1760291	9.76
Aroclor-1016 {5}	5.57	5.49	5.63	2460298	2559270	4.02
Aroclor-1260	8.35	7.43	9.23	6114046	6723174	9.96
Aroclor-1260 {2}	9.02	8.11	9.91	2678523	3079336	14.96
Aroclor-1260 {3}	9.49	8.58	10.38	6887395	7927628	15.10
Aroclor-1260 {4}	9.97	9.06	10.86	3497099	4115916	17.70
Aroclor-1260 {5}	11.03	10.12	11.92	1836209	1635775	10.92
					Average %D	8.90

Data File: Y2707.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.70	3.84	534609	565305	5.74
Aroclor-1016 {2}	4.38	4.30	4.44	1047016	1100068	5.07
Aroclor-1016 {3}	5.13	5.05	5.19	2322989	2507243	7.93
Aroclor-1016 {4}	5.34	5.26	5.40	988119	1098960	11.22
Aroclor-1016 {5}	5.51	5.44	5.58	769829	855146	11.08
Aroclor-1260	7.87	6.97	8.77	803894	909412	13.13
Aroclor-1260 {2}	8.12	7.22	9.02	1157590	1362047	17.66
Aroclor-1260 {3}	9.71	8.81	10.61	1002923	1156386	15.30
Aroclor-1260 {4}	10.22	9.31	11.11	2113615	2488651	17.74
Aroclor-1260 {5}	10.81	9.90	11.70	1467139	1713049	16.76
					Average %D	12.16

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/20/2012 **Instrument ID:** GC-Y

Data File: Y2732.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	1748171	1638104	6.30
Aroclor-1016 {2}	4.12	4.04	4.18	2349604	2233804	4.93
Aroclor-1016 {3}	4.67	4.59	4.73	3223667	3075570	4.59
Aroclor-1016 {4}	5.17	5.09	5.23	1603777	1724111	7.50
Aroclor-1016 {5}	5.57	5.49	5.63	2460298	2464083	0.15
Aroclor-1260	8.35	7.43	9.23	6114046	6596989	7.90
Aroclor-1260 {2}	9.02	8.11	9.91	2678523	3097312	15.64
Aroclor-1260 {3}	9.49	8.58	10.38	6887395	7675094	11.44
Aroclor-1260 {4}	9.97	9.06	10.86	3497099	3668909	4.91
Aroclor-1260 {5}	11.03	10.12	11.92	1836209	1917606	4.43
					Average %D	6.78

Data File: Y2732.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.70	3.84	534609	558260	4.42
Aroclor-1016 {2}	4.38	4.30	4.44	1047016	1092294	4.32
Aroclor-1016 {3}	5.13	5.05	5.19	2322989	2488741	7.14
Aroclor-1016 {4}	5.34	5.26	5.40	988119	1067745	8.06
Aroclor-1016 {5}	5.51	5.44	5.58	769829	838496	8.92
Aroclor-1260	7.87	6.97	8.77	803894	936821	16.54
Aroclor-1260 {2}	8.12	7.22	9.02	1157590	1296774	12.02
Aroclor-1260 {3}	9.71	8.81	10.61	1002923	1097520	9.43
Aroclor-1260 {4}	10.22	9.31	11.11	2113615	2379434	12.58
Aroclor-1260 {5}	10.81	9.90	11.70	1467139	1626454	10.86
					Average %D	9.43

AROCLOR CALIBRATION VERIFICATION SUMMARY

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

Data File: Y2818.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	1748171	1675511	4.16
Aroclor-1016 {2}	4.11	4.04	4.18	2349604	2251892	4.16
Aroclor-1016 {3}	4.67	4.59	4.73	3223667	3066683	4.87
Aroclor-1016 {4}	5.17	5.09	5.23	1603777	1590797	0.81
Aroclor-1016 {5}	5.57	5.49	5.63	2460298	2400519	2.43
Aroclor-1260	8.34	7.43	9.23	6114046	5307434	13.19
Aroclor-1260 {2}	9.01	8.11	9.91	2678523	2733169	2.04
Aroclor-1260 {3}	9.49	8.58	10.38	6887395	6042163	12.27
Aroclor-1260 {4}	9.96	9.06	10.86	3497099	3065497	12.34
Aroclor-1260 {5}	11.02	10.12	11.92	1836209	1748356	4.78
					Average %D	6.11

Data File: Y2818.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.79	3.70	3.84	534609	544244	1.80
Aroclor-1016 {2}	4.39	4.30	4.44	1047016	1054484	0.71
Aroclor-1016 {3}	5.14	5.05	5.19	2322989	2403170	3.45
Aroclor-1016 {4}	5.35	5.26	5.40	988119	983736	0.44
Aroclor-1016 {5}	5.52	5.44	5.58	769829	781731	1.55
Aroclor-1260	7.88	6.97	8.77	803894	825775	2.72
Aroclor-1260 {2}	8.13	7.22	9.02	1157590	1173380	1.36
Aroclor-1260 {3}	9.72	8.81	10.61	1002923	965351	3.75
Aroclor-1260 {4}	10.22	9.31	11.11	2113615	2171150	2.72
Aroclor-1260 {5}	10.81	9.90	11.70	1467139	1553489	5.89
					Average %D	2.44

AROCLOR CALIBRATION VERIFICATION SUMMARY

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

Data File: Y2825.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	1748171	1576386	9.83
Aroclor-1016 {2}	4.12	4.04	4.18	2349604	2097237	10.74
Aroclor-1016 {3}	4.67	4.59	4.73	3223667	2933798	8.99
Aroclor-1016 {4}	5.18	5.09	5.23	1603777	1587392	1.02
Aroclor-1016 {5}	5.57	5.49	5.63	2460298	2335966	5.05
Aroclor-1260	8.35	7.43	9.23	6114046	5572284	8.86
Aroclor-1260 {2}	9.02	8.11	9.91	2678523	2429502	9.30
Aroclor-1260 {3}	9.49	8.58	10.38	6887395	6105113	11.36
Aroclor-1260 {4}	9.97	9.06	10.86	3497099	2868670	17.97
Aroclor-1260 {5}	11.03	10.12	11.92	1836209	1912981	4.18
					Average %D	8.73

Data File: Y2825.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.70	3.84	534609	513658	3.92
Aroclor-1016 {2}	4.38	4.30	4.44	1047016	1016761	2.89
Aroclor-1016 {3}	5.13	5.05	5.19	2322989	2311836	0.48
Aroclor-1016 {4}	5.34	5.26	5.40	988119	976509	1.18
Aroclor-1016 {5}	5.51	5.44	5.58	769829	769523	0.04
Aroclor-1260	7.87	6.97	8.77	803894	829320	3.16
Aroclor-1260 {2}	8.12	7.22	9.02	1157590	1202874	3.91
Aroclor-1260 {3}	9.71	8.81	10.61	1002923	1021530	1.86
Aroclor-1260 {4}	10.22	9.31	11.11	2113615	2153556	1.89
Aroclor-1260 {5}	10.81	9.90	11.70	1467139	1462057	0.35
					Average %D	1.97

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

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

Data File: Y2063.D Y2062.D Y2061.D Y2060.D Y2059.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.28	3.28	3.27	3.28	3.28	3.28	3.21	3.35
Aroclor-1016 {2}	4.11	4.11	4.10	4.11	4.11	4.11	4.04	4.18
Aroclor-1016 {3}	4.66	4.66	4.65	4.66	4.66	4.66	4.59	4.73
Aroclor-1016 {4}	5.16	5.17	5.16	5.16	5.16	5.16	5.09	5.23
Aroclor-1016 {5}	5.56	5.56	5.55	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}			6.34				6.27	6.41
Aroclor-1248			4.51				4.43	4.59
Aroclor-1248 {2}			5.05				4.97	5.13
Aroclor-1248 {3}			5.37				5.29	5.45
Aroclor-1248 {4}			6.06				5.98	6.14
Aroclor-1248 {5}			6.34				6.26	6.42
Aroclor-1254			6.45				6.37	6.53
Aroclor-1254 {2}			6.89				6.81	6.97
Aroclor-1254 {3}			7.05				6.96	7.14
Aroclor-1254 {4}			7.50				7.41	7.59
Aroclor-1254 {5}			8.34				8.25	8.43
Aroclor-1260	8.33	8.33	8.33	8.33	8.33	8.33	7.43	9.23
Aroclor-1260 {2}	9.06	9.00	9.00	9.00	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: 09/28/2012

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y2063.D Y2062.D Y2061.D Y2060.D Y2059.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	1779381	1807127	1752108	1741470	1660770	1748171	3.15
Aroclor-1016 {2}	2574827	2260932	2278275	2344672	2289314	2349604	5.52
Aroclor-1016 {3}	3533740	3287454	3077138	3146427	3073575	3223667	6.01
Aroclor-1016 {4}	1732880	1694284	1613057	1535403	1443259	1603777	7.34
Aroclor-1016 {5}	2528573	2647173	2337248	2406226	2382273	2460298	5.13
Aroclor-1221			614158				
Aroclor-1221 {2}			1208996				
Aroclor-1221 {3}			648662				
Aroclor-1221 {4}			2516981				
Aroclor-1221 {5}			464483				
Aroclor-1232			1750895				
Aroclor-1232 {2}			941481				
Aroclor-1232 {3}			838423				
Aroclor-1232 {4}			835162				
Aroclor-1232 {5}			1167067				
Aroclor-1242			1903136				
Aroclor-1242 {2}			1112773				
Aroclor-1242 {3}			1592773				
Aroclor-1242 {4}			2720180				
Aroclor-1242 {5}			2317530				
Aroclor-1248			3951338				
Aroclor-1248 {2}			2154676				
Aroclor-1248 {3}			2899853				
Aroclor-1248 {4}			5160574				
Aroclor-1248 {5}			3456175				
Aroclor-1254			5168566				
Aroclor-1254 {2}			3262869				
Aroclor-1254 {3}			6437833				
Aroclor-1254 {4}			6443887				
Aroclor-1254 {5}			5774478				
Aroclor-1260	6327794	6243919	6135968	6163523	5699027	6114046	3.99
Aroclor-1260 {2}	2876290	2626739	2607516	2655567	2626505	2678523	4.18
Aroclor-1260 {3}	7388079	6928094	7012809	6539936	6568055	6887395	5.09
Aroclor-1260 {4}	3895682	3722656	3417689	3267016	3182453	3497099	8.67
Aroclor-1260 {5}	2144231	2070397	1701079	1867931	1397406	1836209	16.37
						Average %RSD	6.54

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

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

Data File: Y2063.C Y2062.C Y2061.C Y2060.C Y2059.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1016	3.77	3.77	3.78	3.77	3.77	3.77	3.70	3.84
Aroclor-1016 {2}	4.37	4.37	4.38	4.37	4.37	4.37	4.30	4.44
Aroclor-1016 {3}	5.12	5.12	5.13	5.12	5.12	5.12	5.05	5.19
Aroclor-1016 {4}	5.33	5.33	5.34	5.33	5.33	5.33	5.26	5.40
Aroclor-1016 {5}	5.50	5.50	5.51	5.50	5.50	5.51	5.44	5.58
Aroclor-1221			2.45				2.38	2.52
Aroclor-1221 {2}			3.45				3.38	3.52
Aroclor-1221 {3}			3.69				3.62	3.76
Aroclor-1221 {4}			3.78				3.71	3.85
Aroclor-1221 {5}			5.13				5.06	5.20
Aroclor-1232			3.77				3.70	3.84
Aroclor-1232 {2}			4.75				4.68	4.82
Aroclor-1232 {3}			5.33				5.26	5.40
Aroclor-1232 {4}			5.51				5.44	5.58
Aroclor-1232 {5}			6.10				6.03	6.17
Aroclor-1242			4.75				4.68	4.82
Aroclor-1242 {2}			5.50				5.43	5.57
Aroclor-1242 {3}			6.10				6.03	6.17
Aroclor-1242 {4}			6.26				6.19	6.33
Aroclor-1242 {5}			6.81				6.74	6.88
Aroclor-1248			5.12				5.04	5.20
Aroclor-1248 {2}			5.70				5.62	5.78
Aroclor-1248 {3}			6.10				6.02	6.18
Aroclor-1248 {4}			6.26				6.18	6.34
Aroclor-1248 {5}			6.61				6.53	6.69
Aroclor-1254			7.10				7.02	7.18
Aroclor-1254 {2}			7.68				7.60	7.76
Aroclor-1254 {3}			8.30				8.21	8.39
Aroclor-1254 {4}			8.53				8.44	8.62
Aroclor-1254 {5}			9.12				9.03	9.21
Aroclor-1260	7.87	7.86	7.87	7.86	7.86	7.87	6.97	8.77
Aroclor-1260 {2}	8.12	8.12	8.12	8.12	8.12	8.12	7.22	9.02
Aroclor-1260 {3}	9.71	9.71	9.71	9.70	9.71	9.71	8.81	10.61
Aroclor-1260 {4}	10.21	10.21	10.22	10.21	10.21	10.21	9.31	11.11
Aroclor-1260 {5}	10.81	10.80	10.81	10.80	10.80	10.80	9.90	11.70

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

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

Data File: Y2063.C Y2062.C Y2061.C Y2060.C Y2059.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	474153	653334	555412	522410	467733	534609	14.12
Aroclor-1016 {2}	982768	1296921	1043676	993576	918138	1047016	14.01
Aroclor-1016 {3}	2145189	2773453	2315483	2264601	2116218	2322989	11.40
Aroclor-1016 {4}	913651	1225431	969931	952611	878971	988119	13.89
Aroclor-1016 {5}	723211	930535	759763	744168	691466	769829	12.13
Aroclor-1221			227033				
Aroclor-1221 {2}			339121				
Aroclor-1221 {3}			205128				
Aroclor-1221 {4}			785356				
Aroclor-1221 {5}			136345				
Aroclor-1232			566765				
Aroclor-1232 {2}			211836				
Aroclor-1232 {3}			452013				
Aroclor-1232 {4}			348567				
Aroclor-1232 {5}			469831				
Aroclor-1242			403560				
Aroclor-1242 {2}			670955				
Aroclor-1242 {3}			847710				
Aroclor-1242 {4}			700737				
Aroclor-1242 {5}			1361595				
Aroclor-1248			1289913				
Aroclor-1248 {2}			1915529				
Aroclor-1248 {3}			1357383				
Aroclor-1248 {4}			1240834				
Aroclor-1248 {5}			676503				
Aroclor-1254			1660390				
Aroclor-1254 {2}			1294646				
Aroclor-1254 {3}			1245337				
Aroclor-1254 {4}			760763				
Aroclor-1254 {5}			1781367				
Aroclor-1260	811161	973370	768876	757317	708746	803894	12.63
Aroclor-1260 {2}	1113404	1437351	1109646	1099335	1028214	1157590	13.84
Aroclor-1260 {3}	1128256	1114996	927318	911719	932327	1002923	10.84
Aroclor-1260 {4}	2097926	2263313	2000692	1960025	2246118	2113615	6.55
Aroclor-1260 {5}	1503134	1425807	1484200	1386148	1536407	1467139	4.13
						Average %RSD	11.35

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

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

Data File: Y2063.D Y2062.D Y2061.D Y2060.D Y2059.D

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

GC Column (2nd): DB-1701P

Data File: Y2063.C Y2062.C Y2061.C Y2060.C Y2059.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1262			9.71				8.81	8.81
Aroclor-1262 {2}			10.21				9.31	9.31
Aroclor-1262 {3}			10.71				9.81	9.81
Aroclor-1262 {4}			10.80				9.80	9.80
Aroclor-1262 {5}			11.40				10.40	10.40
Aroclor-1268			10.71				9.71	9.71
Aroclor-1268 {2}			10.79				9.69	9.69
Aroclor-1268 {3}			11.04				9.94	9.94
Aroclor-1268 {4}			11.18				10.08	10.08
Aroclor-1268 {5}			12.26				11.16	11.16

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y2063.D Y2062.D Y2061.D Y2060.D Y2059.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			5723712				
Aroclor-1262 {2}			11103977				
Aroclor-1262 {3}			3941244				
Aroclor-1262 {4}			4806051				
Aroclor-1262 {5}			3488596				
Aroclor-1268			10400384				
Aroclor-1268 {2}			11807520				
Aroclor-1268 {3}			8682822				
Aroclor-1268 {4}			2580683				
Aroclor-1268 {5}			24120559				

GC Column (2nd): DB-1701P

Data File: Y2063.C Y2062.C Y2061.C Y2060.C Y2059.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			1503307				
Aroclor-1262 {2}			3495508				
Aroclor-1262 {3}			1149322				
Aroclor-1262 {4}			2483364				
Aroclor-1262 {5}			660222				
Aroclor-1268			3095046				
Aroclor-1268 {2}			3474509				
Aroclor-1268 {3}			2744531				
Aroclor-1268 {4}			887397				
Aroclor-1268 {5}			8207458				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/20/2012 **Instrument ID:** GC-Y

Data File: Y2733.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	1748171	1641151	6.12
Aroclor-1016 {2}	4.12	4.04	4.18	2349604	2246005	4.41
Aroclor-1016 {3}	4.67	4.59	4.73	3223667	3093543	4.04
Aroclor-1016 {4}	5.18	5.09	5.23	1603777	1715464	6.96
Aroclor-1016 {5}	5.57	5.49	5.63	2460298	2488996	1.17
Aroclor-1260	8.35	7.43	9.23	6114046	6728986	10.06
Aroclor-1260 {2}	9.02	8.11	9.91	2678523	3150901	17.64
Aroclor-1260 {3}	9.49	8.58	10.38	6887395	7841913	13.86
Aroclor-1260 {4}	9.97	9.06	10.86	3497099	3705415	5.96
Aroclor-1260 {5}	11.03	10.12	11.92	1836209	1819971	0.88
					Average %D	7.11

Data File: Y2733.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.70	3.84	534609	559815	4.71
Aroclor-1016 {2}	4.38	4.30	4.44	1047016	1093513	4.44
Aroclor-1016 {3}	5.13	5.05	5.19	2322989	2492576	7.30
Aroclor-1016 {4}	5.34	5.26	5.40	988119	1077286	9.02
Aroclor-1016 {5}	5.51	5.44	5.58	769829	842421	9.43
Aroclor-1260	7.87	6.97	8.77	803894	947723	17.89
Aroclor-1260 {2}	8.12	7.22	9.02	1157590	1313254	13.45
Aroclor-1260 {3}	9.71	8.81	10.61	1002923	1070272	6.72
Aroclor-1260 {4}	10.22	9.31	11.11	2113615	2443217	15.59
Aroclor-1260 {5}	10.81	9.90	11.70	1467139	1724390	17.53
					Average %D	10.61

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/20/2012 **Instrument ID:** GC-Y

Data File: Y2758.D **GC Column (1st):** DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.29	3.21	3.35	1748171	1655495	5.30
Aroclor-1016 {2}	4.12	4.04	4.18	2349604	2267073	3.51
Aroclor-1016 {3}	4.67	4.59	4.73	3223667	3125910	3.03
Aroclor-1016 {4}	5.18	5.09	5.23	1603777	1738389	8.39
Aroclor-1016 {5}	5.57	5.49	5.63	2460298	2516331	2.28
Aroclor-1260	8.35	7.43	9.23	6114046	6899628	12.85
Aroclor-1260 {2}	9.02	8.11	9.91	2678523	3131223	16.90
Aroclor-1260 {3}	9.49	8.58	10.38	6887395	8187541	18.88
Aroclor-1260 {4}	9.97	9.06	10.86	3497099	3859279	10.36
Aroclor-1260 {5}	11.03	10.12	11.92	1836209	1947053	6.04
					Average %D	8.75

Data File: Y2758.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.70	3.84	534609	552442	3.34
Aroclor-1016 {2}	4.38	4.30	4.44	1047016	1080246	3.17
Aroclor-1016 {3}	5.13	5.05	5.19	2322989	2466048	6.16
Aroclor-1016 {4}	5.34	5.26	5.40	988119	1068013	8.09
Aroclor-1016 {5}	5.51	5.44	5.58	769829	833476	8.27
Aroclor-1260	7.87	6.97	8.77	803894	897565	11.65
Aroclor-1260 {2}	8.12	7.22	9.02	1157590	1322983	14.29
Aroclor-1260 {3}	9.71	8.81	10.61	1002923	1099141	9.59
Aroclor-1260 {4}	10.22	9.31	11.11	2113615	2369590	12.11
Aroclor-1260 {5}	10.81	9.90	11.70	1467139	1686514	14.95
					Average %D	9.16

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

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

Data File: Y2063.D Y2062.D Y2061.D Y2060.D Y2059.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.28	3.28	3.27	3.28	3.28	3.28	3.21	3.35
Aroclor-1016 {2}	4.11	4.11	4.10	4.11	4.11	4.11	4.04	4.18
Aroclor-1016 {3}	4.66	4.66	4.65	4.66	4.66	4.66	4.59	4.73
Aroclor-1016 {4}	5.16	5.17	5.16	5.16	5.16	5.16	5.09	5.23
Aroclor-1016 {5}	5.56	5.56	5.55	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}			6.34				6.27	6.41
Aroclor-1248			4.51				4.43	4.59
Aroclor-1248 {2}			5.05				4.97	5.13
Aroclor-1248 {3}			5.37				5.29	5.45
Aroclor-1248 {4}			6.06				5.98	6.14
Aroclor-1248 {5}			6.34				6.26	6.42
Aroclor-1254			6.45				6.37	6.53
Aroclor-1254 {2}			6.89				6.81	6.97
Aroclor-1254 {3}			7.05				6.96	7.14
Aroclor-1254 {4}			7.50				7.41	7.59
Aroclor-1254 {5}			8.34				8.25	8.43
Aroclor-1260	8.33	8.33	8.33	8.33	8.33	8.33	7.43	9.23
Aroclor-1260 {2}	9.06	9.00	9.00	9.00	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: 09/28/2012

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y2063.D Y2062.D Y2061.D Y2060.D Y2059.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	1779381	1807127	1752108	1741470	1660770	1748171	3.15
Aroclor-1016 {2}	2574827	2260932	2278275	2344672	2289314	2349604	5.52
Aroclor-1016 {3}	3533740	3287454	3077138	3146427	3073575	3223667	6.01
Aroclor-1016 {4}	1732880	1694284	1613057	1535403	1443259	1603777	7.34
Aroclor-1016 {5}	2528573	2647173	2337248	2406226	2382273	2460298	5.13
Aroclor-1221			614158				
Aroclor-1221 {2}			1208996				
Aroclor-1221 {3}			648662				
Aroclor-1221 {4}			2516981				
Aroclor-1221 {5}			464483				
Aroclor-1232			1750895				
Aroclor-1232 {2}			941481				
Aroclor-1232 {3}			838423				
Aroclor-1232 {4}			835162				
Aroclor-1232 {5}			1167067				
Aroclor-1242			1903136				
Aroclor-1242 {2}			1112773				
Aroclor-1242 {3}			1592773				
Aroclor-1242 {4}			2720180				
Aroclor-1242 {5}			2317530				
Aroclor-1248			3951338				
Aroclor-1248 {2}			2154676				
Aroclor-1248 {3}			2899853				
Aroclor-1248 {4}			5160574				
Aroclor-1248 {5}			3456175				
Aroclor-1254			5168566				
Aroclor-1254 {2}			3262869				
Aroclor-1254 {3}			6437833				
Aroclor-1254 {4}			6443887				
Aroclor-1254 {5}			5774478				
Aroclor-1260	6327794	6243919	6135968	6163523	5699027	6114046	3.99
Aroclor-1260 {2}	2876290	2626739	2607516	2655567	2626505	2678523	4.18
Aroclor-1260 {3}	7388079	6928094	7012809	6539936	6568055	6887395	5.09
Aroclor-1260 {4}	3895682	3722656	3417689	3267016	3182453	3497099	8.67
Aroclor-1260 {5}	2144231	2070397	1701079	1867931	1397406	1836209	16.37
						Average %RSD	6.54

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

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

Data File: Y2063.C Y2062.C Y2061.C Y2060.C Y2059.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.77	3.77	3.78	3.77	3.77	3.77	3.70	3.84
Aroclor-1016 {2}	4.37	4.37	4.38	4.37	4.37	4.37	4.30	4.44
Aroclor-1016 {3}	5.12	5.12	5.13	5.12	5.12	5.12	5.05	5.19
Aroclor-1016 {4}	5.33	5.33	5.34	5.33	5.33	5.33	5.26	5.40
Aroclor-1016 {5}	5.50	5.50	5.51	5.50	5.50	5.51	5.44	5.58
Aroclor-1221			2.45				2.38	2.52
Aroclor-1221 {2}			3.45				3.38	3.52
Aroclor-1221 {3}			3.69				3.62	3.76
Aroclor-1221 {4}			3.78				3.71	3.85
Aroclor-1221 {5}			5.13				5.06	5.20
Aroclor-1232			3.77				3.70	3.84
Aroclor-1232 {2}			4.75				4.68	4.82
Aroclor-1232 {3}			5.33				5.26	5.40
Aroclor-1232 {4}			5.51				5.44	5.58
Aroclor-1232 {5}			6.10				6.03	6.17
Aroclor-1242			4.75				4.68	4.82
Aroclor-1242 {2}			5.50				5.43	5.57
Aroclor-1242 {3}			6.10				6.03	6.17
Aroclor-1242 {4}			6.26				6.19	6.33
Aroclor-1242 {5}			6.81				6.74	6.88
Aroclor-1248			5.12				5.04	5.20
Aroclor-1248 {2}			5.70				5.62	5.78
Aroclor-1248 {3}			6.10				6.02	6.18
Aroclor-1248 {4}			6.26				6.18	6.34
Aroclor-1248 {5}			6.61				6.53	6.69
Aroclor-1254			7.10				7.02	7.18
Aroclor-1254 {2}			7.68				7.60	7.76
Aroclor-1254 {3}			8.30				8.21	8.39
Aroclor-1254 {4}			8.53				8.44	8.62
Aroclor-1254 {5}			9.12				9.03	9.21
Aroclor-1260	7.87	7.86	7.87	7.86	7.86	7.87	6.97	8.77
Aroclor-1260 {2}	8.12	8.12	8.12	8.12	8.12	8.12	7.22	9.02
Aroclor-1260 {3}	9.71	9.71	9.71	9.70	9.71	9.71	8.81	10.61
Aroclor-1260 {4}	10.21	10.21	10.22	10.21	10.21	10.21	9.31	11.11
Aroclor-1260 {5}	10.81	10.80	10.81	10.80	10.80	10.80	9.90	11.70

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

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

Data File: Y2063.C Y2062.C Y2061.C Y2060.C Y2059.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	474153	653334	555412	522410	467733	534609	14.12
Aroclor-1016 {2}	982768	1296921	1043676	993576	918138	1047016	14.01
Aroclor-1016 {3}	2145189	2773453	2315483	2264601	2116218	2322989	11.40
Aroclor-1016 {4}	913651	1225431	969931	952611	878971	988119	13.89
Aroclor-1016 {5}	723211	930535	759763	744168	691466	769829	12.13
Aroclor-1221			227033				
Aroclor-1221 {2}			339121				
Aroclor-1221 {3}			205128				
Aroclor-1221 {4}			785356				
Aroclor-1221 {5}			136345				
Aroclor-1232			566765				
Aroclor-1232 {2}			211836				
Aroclor-1232 {3}			452013				
Aroclor-1232 {4}			348567				
Aroclor-1232 {5}			469831				
Aroclor-1242			403560				
Aroclor-1242 {2}			670955				
Aroclor-1242 {3}			847710				
Aroclor-1242 {4}			700737				
Aroclor-1242 {5}			1361595				
Aroclor-1248			1289913				
Aroclor-1248 {2}			1915529				
Aroclor-1248 {3}			1357383				
Aroclor-1248 {4}			1240834				
Aroclor-1248 {5}			676503				
Aroclor-1254			1660390				
Aroclor-1254 {2}			1294646				
Aroclor-1254 {3}			1245337				
Aroclor-1254 {4}			760763				
Aroclor-1254 {5}			1781367				
Aroclor-1260	811161	973370	768876	757317	708746	803894	12.63
Aroclor-1260 {2}	1113404	1437351	1109646	1099335	1028214	1157590	13.84
Aroclor-1260 {3}	1128256	1114996	927318	911719	932327	1002923	10.84
Aroclor-1260 {4}	2097926	2263313	2000692	1960025	2246118	2113615	6.55
Aroclor-1260 {5}	1503134	1425807	1484200	1386148	1536407	1467139	4.13
					Average %RSD		11.35

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

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

Data File: Y2063.D Y2062.D Y2061.D Y2060.D Y2059.D

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

GC Column (2nd): DB-1701P

Data File: Y2063.C Y2062.C Y2061.C Y2060.C Y2059.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1262			9.71				8.81	8.81
Aroclor-1262 {2}			10.21				9.31	9.31
Aroclor-1262 {3}			10.71				9.81	9.81
Aroclor-1262 {4}			10.80				9.80	9.80
Aroclor-1262 {5}			11.40				10.40	10.40
Aroclor-1268			10.71				9.71	9.71
Aroclor-1268 {2}			10.79				9.69	9.69
Aroclor-1268 {3}			11.04				9.94	9.94
Aroclor-1268 {4}			11.18				10.08	10.08
Aroclor-1268 {5}			12.26				11.16	11.16

AROCLOR INITIAL CALIBRATION SUMMARY

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

Data File: Y2063.D Y2062.D Y2061.D Y2060.D Y2059.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			5723712				
Aroclor-1262 {2}			11103977				
Aroclor-1262 {3}			3941244				
Aroclor-1262 {4}			4806051				
Aroclor-1262 {5}			3488596				
Aroclor-1268			10400384				
Aroclor-1268 {2}			11807520				
Aroclor-1268 {3}			8682822				
Aroclor-1268 {4}			2580683				
Aroclor-1268 {5}			24120559				

GC Column (2nd): DB-1701P

Data File: Y2063.C Y2062.C Y2061.C Y2060.C Y2059.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			1503307				
Aroclor-1262 {2}			3495508				
Aroclor-1262 {3}			1149322				
Aroclor-1262 {4}			2483364				
Aroclor-1262 {5}			660222				
Aroclor-1268			3095046				
Aroclor-1268 {2}			3474509				
Aroclor-1268 {3}			2744531				
Aroclor-1268 {4}			887397				
Aroclor-1268 {5}			8207458				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/22/2012 **Instrument ID:** GC-Y

Data File: Y2759.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	1748171	1607713	8.03
Aroclor-1016 {2}	4.11	4.04	4.18	2349604	2180044	7.22
Aroclor-1016 {3}	4.67	4.59	4.73	3223667	2997595	7.01
Aroclor-1016 {4}	5.17	5.09	5.23	1603777	1674352	4.40
Aroclor-1016 {5}	5.57	5.49	5.63	2460298	2358614	4.13
Aroclor-1260	8.35	7.43	9.23	6114046	6009130	1.72
Aroclor-1260 {2}	9.02	8.11	9.91	2678523	2636242	1.58
Aroclor-1260 {3}	9.50	8.58	10.38	6887395	6451051	6.34
Aroclor-1260 {4}	9.97	9.06	10.86	3497099	3218475	7.97
Aroclor-1260 {5}	11.03	10.12	11.92	1836209	1668538	9.13
					Average %D	5.75

Data File: Y2759.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.79	3.70	3.84	534609	513796	3.89
Aroclor-1016 {2}	4.39	4.30	4.44	1047016	987086	5.72
Aroclor-1016 {3}	5.14	5.05	5.19	2322989	2252140	3.05
Aroclor-1016 {4}	5.35	5.26	5.40	988119	966154	2.22
Aroclor-1016 {5}	5.52	5.44	5.58	769829	760307	1.24
Aroclor-1260	7.88	6.97	8.77	803894	818036	1.76
Aroclor-1260 {2}	8.14	7.22	9.02	1157590	1227561	6.04
Aroclor-1260 {3}	9.72	8.81	10.61	1002923	1008938	0.60
Aroclor-1260 {4}	10.23	9.31	11.11	2113615	2092844	0.98
Aroclor-1260 {5}	10.82	9.90	11.70	1467139	1388505	5.36
					Average %D	3.09

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/23/2012 **Instrument ID:** GC-Y

Data File: Y2791.D **GC Column (1st):** DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.29	3.21	3.35	1748171	1575430	9.88
Aroclor-1016 {2}	4.12	4.04	4.18	2349604	2089827	11.06
Aroclor-1016 {3}	4.67	4.59	4.73	3223667	2982651	7.48
Aroclor-1016 {4}	5.18	5.09	5.23	1603777	1649412	2.85
Aroclor-1016 {5}	5.57	5.49	5.63	2460298	2404448	2.27
Aroclor-1260	8.35	7.43	9.23	6114046	6861507	12.23
Aroclor-1260 {2}	9.02	8.11	9.91	2678523	3085746	15.20
Aroclor-1260 {3}	9.49	8.58	10.38	6887395	8164283	18.54
Aroclor-1260 {4}	9.97	9.06	10.86	3497099	3818566	9.19
Aroclor-1260 {5}	11.03	10.12	11.92	1836209	1879239	2.34
					Average %D	9.10

Data File: Y2791.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.70	3.84	534609	512174	4.20
Aroclor-1016 {2}	4.38	4.30	4.44	1047016	999586	4.53
Aroclor-1016 {3}	5.13	5.05	5.19	2322989	2274710	2.08
Aroclor-1016 {4}	5.34	5.26	5.40	988119	977734	1.05
Aroclor-1016 {5}	5.51	5.44	5.58	769829	773202	0.44
Aroclor-1260	7.87	6.97	8.77	803894	889271	10.62
Aroclor-1260 {2}	8.12	7.22	9.02	1157590	1325888	14.54
Aroclor-1260 {3}	9.71	8.81	10.61	1002923	1036692	3.37
Aroclor-1260 {4}	10.22	9.31	11.11	2113615	2443140	15.59
Aroclor-1260 {5}	10.81	9.90	11.70	1467139	1658980	13.08
					Average %D	6.95

PCB RETENTION TIME SHIFT SUMMARY

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

Surrogate RT from initial calibration :

TCMX 1 2.83 **DCB 1** 12.11 **TCMX 2** 2.91 **DCB 2** 12.49

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS121017-07	10/19/2012	18:11	2.83		12.11		2.91		12.49	
X-43_(7.0-	10332-020	10/19/2012	18:28	2.83		12.11		2.91		12.49	
#2	10482-002	10/19/2012	18:45	2.83		12.11		2.91		12.49	
WC	10297-001	10/19/2012	19:02	2.83		12.11		2.91		12.49	
X-45_(0-1.	10376-001	10/19/2012	19:20	2.83		12.11		2.91		12.48	
X-45_(1.0-	10376-002	10/19/2012	19:37	2.83		12.11		2.91		12.49	
X-45_(2.0-	10376-003	10/19/2012	19:54	2.83		12.11		2.91		12.49	
X-45_(3.0-	10376-004	10/19/2012	20:11	2.83		12.11		2.91		12.49	
X-44_(1.0-	10376-006	10/19/2012	20:46	2.83		12.11		2.91		12.48	
X-44_(2.0-	10376-007	10/19/2012	21:03	2.83		12.11		2.91		12.49	
X-44_(3.0-	10376-008	10/19/2012	21:20	2.83		12.11		2.91		12.49	
W-45_(0-1.	10376-009	10/19/2012	21:37	2.83		12.11		2.91		12.48	
W-45_(1.0-	10376-010	10/19/2012	21:54	2.82		12.11		2.91		12.48	
W-45_(2.0-	10376-011	10/19/2012	22:12	2.83		12.11		2.91		12.49	
W-45_(3.0-	10376-012	10/19/2012	22:29	2.83		12.11		2.91		12.49	
W-44_(1.0-	10376-014	10/19/2012	23:03	2.83		12.11		2.91		12.49	
W-44_(2.0-	10376-015	10/19/2012	23:20	2.83		12.11		2.91		12.49	
W-44_(3.0-	10376-016	10/19/2012	23:38	2.83		12.11		2.91		12.49	
PCB	10482-002MS	10/20/2012	00:12	2.83		12.11		2.91		12.49	
PCB	10482-002MSD	10/20/2012	00:29	2.83		12.11		2.91		12.49	
PCB	LCSS121017-07	10/20/2012	00:46	2.83		12.11		2.91		12.49	
X-44_(0-1.	10376-005	10/24/2012	10:59	2.83		12.11		2.91		12.49	
W-44_(0-1.	10376-013	10/24/2012	11:17	2.83		12.11		2.91		12.48	
V-45_(0-1.	10376-017	10/24/2012	11:34	2.83		12.11		2.91		12.48	

Surrogate QC Limits

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

DCB = Decachlorobiphenyl (± 0.10 Minutes)

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

PCB RETENTION TIME SHIFT SUMMARY

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

Surrogate RT from initial calibration :

TCMX 1 2.83 **DCB 1** 12.11 **TCMX 2** 2.91 **DCB 2** 12.49

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS121017-10	10/20/2012	01:38	2.83		12.11		2.91		12.49	
COMPOSITE	10340-001	10/20/2012	01:55	2.83		12.12		2.91		12.49	
Q-48_(3.0-	10413-012	10/20/2012	02:12	2.83		12.11		2.91		12.49	
V-45_(1.0-	10376-018	10/20/2012	02:30	2.83		12.11		2.91		12.49	
V-45_(2.0-	10376-019	10/20/2012	02:47	2.83		12.11		2.91		12.49	
V-45_(3.0-	10376-020	10/20/2012	03:04	2.83		12.11		2.91		12.49	
II-34_(4.0	10376-021	10/20/2012	03:21	2.83		12.11		2.91		12.49	
II-34_(5.0	10376-022	10/20/2012	03:38	2.83		12.11		2.91		12.49	
II-34_(6.0	10376-023	10/20/2012	03:55	2.83		12.11		2.91		12.49	
II-34_(7.0	10376-024	10/20/2012	04:13	2.83		12.11		2.91		12.49	
R-48_(0-1.	10413-001	10/20/2012	04:30	2.83		12.11		2.91		12.49	
R-48_(1.0-	10413-002	10/20/2012	04:47	2.83		12.11		2.91		12.49	
R-48_(2.0-	10413-003	10/20/2012	05:04	2.83		12.11		2.91		12.49	
R-48_(3.0-	10413-004	10/20/2012	05:21	2.83		12.11		2.91		12.49	
R-47_(1.0-	10413-005	10/20/2012	05:39	2.83		12.11		2.91		12.49	
R-47_(0-1.	10413-006	10/20/2012	05:56	2.83		12.11		2.91		12.49	
R-47_(2.0-	10413-007	10/20/2012	06:13	2.83		12.11		2.91		12.49	
R-47_(3.0-	10413-008	10/20/2012	06:30	2.83		12.11		2.91		12.49	
Q-48_(0-1.	10413-009	10/20/2012	06:47	2.83		12.11		2.91		12.49	
Q-48_(1.0-	10413-010	10/20/2012	07:05	2.83		12.11		2.91		12.49	
Q-48_(2.0-	10413-011	10/20/2012	07:22	2.83		12.11		2.91		12.49	
PCB	10340-001MS	10/20/2012	07:39	2.83		12.11		2.91		12.49	
PCB	10340-001MSD	10/20/2012	07:56	2.83		12.11		2.91		12.49	
PCB	LCSS121017-10	10/20/2012	08:13	2.83		12.11		2.91		12.49	

Surrogate QC Limits

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

DCB = Decachlorobiphenyl (± 0.10 Minutes)

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

PCB RETENTION TIME SHIFT SUMMARY

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

Surrogate RT from initial calibration :

TCMX 1 2.82 **DCB 1** 12.12 **TCMX 2** 2.92 **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	BLKA121018-05	10/22/2012	23:37	2.82		12.12		2.92		12.50	
FB-51	10376-025	10/22/2012	23:54	2.83		12.11		2.91		12.48	
FB/3.5-4	10402-008	10/23/2012	00:12	2.82		12.12		2.92		12.50	
FB-52	10413-017	10/23/2012	00:29	2.83		12.11		2.91		12.48	
MW-3	10441-003	10/23/2012	00:46	2.83		12.11		2.92		12.49	
PCB	10441-003MS	10/23/2012	01:03	2.83		12.11		2.91		12.48	
PCB	10441-003MSD	10/23/2012	01:20	2.83		12.11		2.91		12.48	
PCB	LCSA121018-05	10/23/2012	01:37	2.83		12.11		2.91		12.48	

Surrogate QC Limits

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

DCB = Decachlorobiphenyl (± 0.10 Minutes)

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

PCB SAMPLE DATA

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2712.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 19:20
Operator : YG
Sample : X-45_(0-1.,10376-001,S,5.12g,82.7,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:18:10 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	36012.5E6	11756.8E6	355.042	356.514
Spiked Amount 200.000			Recovery	=	177.52%	178.26%
2) S DCB	12.11	12.48	5792.3E6	2552.8E6	227.208	245.851
Spiked Amount 200.000			Recovery	=	113.60%	122.93%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	670.5E6	218.9E6	172.654	172.973
24) L6 Aroclor-1248 {2}	5.06	5.70	997.7E6	1008.4E6	475.643	535.691
25) L6 Aroclor-1248 {3}	5.38	6.11	1932.6E6	912.5E6	700.737	687.127
26) L6 Aroclor-1248 {4}	6.08	6.26	3104.2E6	376.3E6	601.065	307.641 #
27) L6 Aroclor-1248 {5}	6.34	6.62	1520.4E6	222.4E6	436.140	329.504
Sum Aroclor-1248			8225.4E6	2738.6E6	2386.239	2032.935
Average Aroclor-1248					477.248	406.587
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

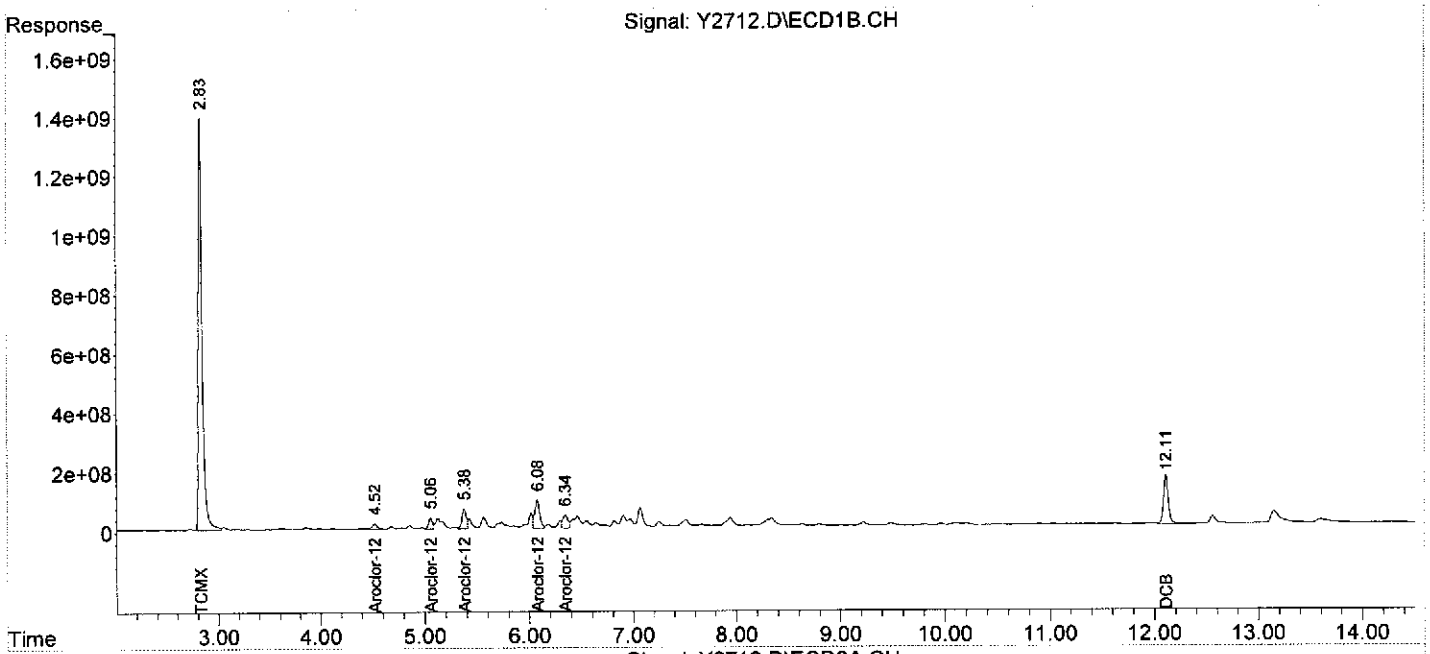
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

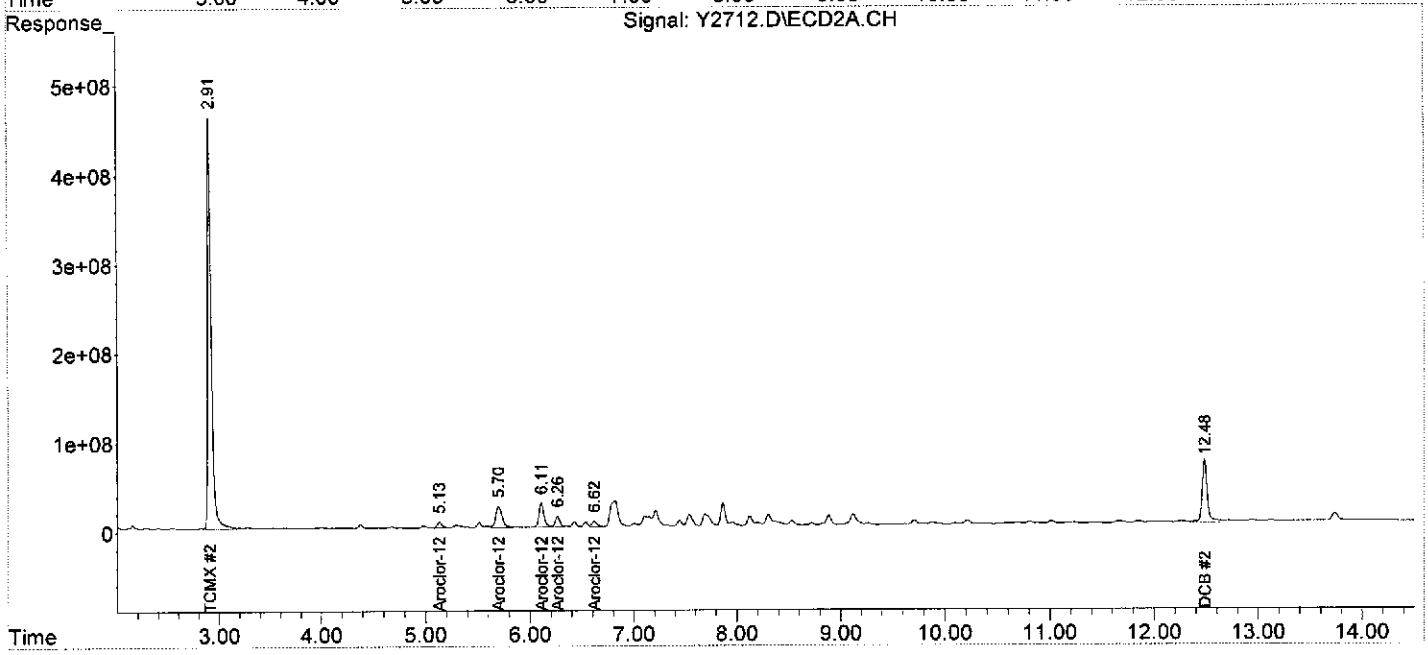
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2712.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 19:20
Operator : YG
Sample : X-45_(0-1.,10376-001,S,5.12g,82.7,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:18:10 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2713.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 19:37
Operator : YG
Sample : X-45_(1.0-,10376-002,S,5.18g,86.9,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:07:24 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	36312.0E6	11927.4E6	357.995	361.689
Spiked Amount 200.000			Recovery	=	179.00%	180.84%
2) S DCB	12.11	12.49	5869.2E6	2991.2E6	230.224	288.074 #
Spiked Amount 200.000			Recovery	=	115.11%	144.04%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

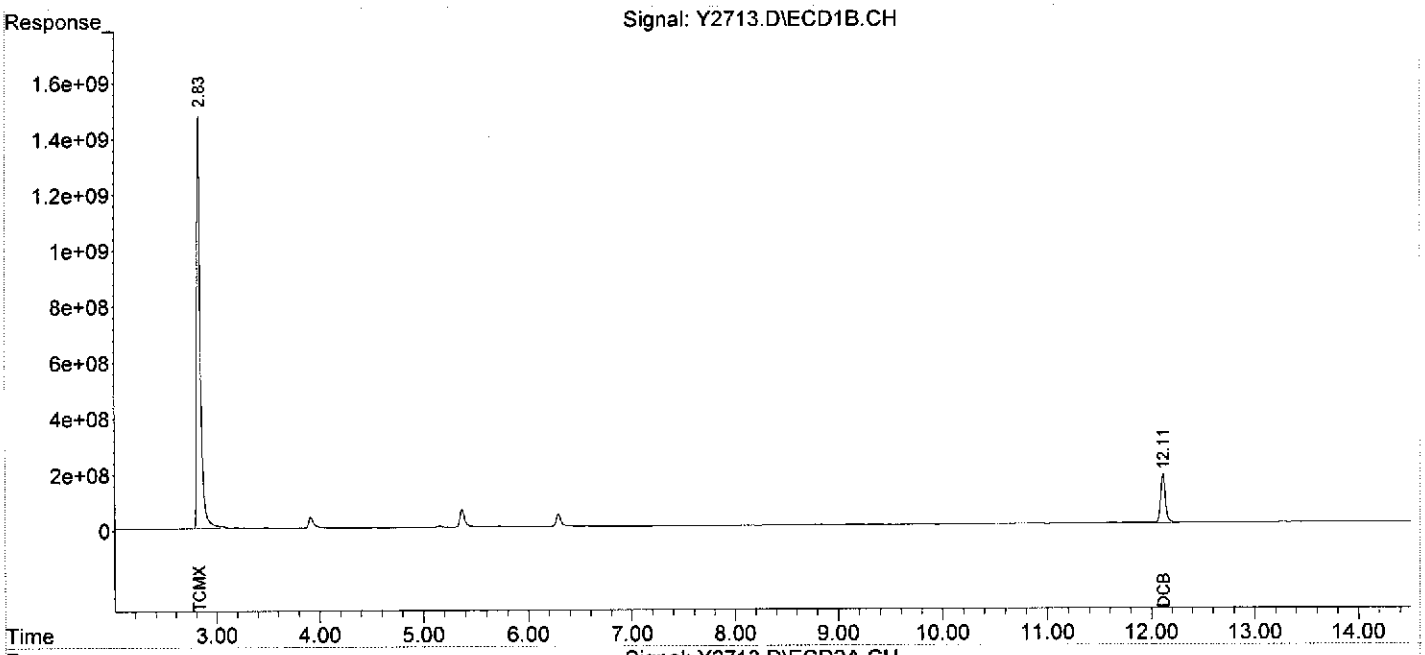
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

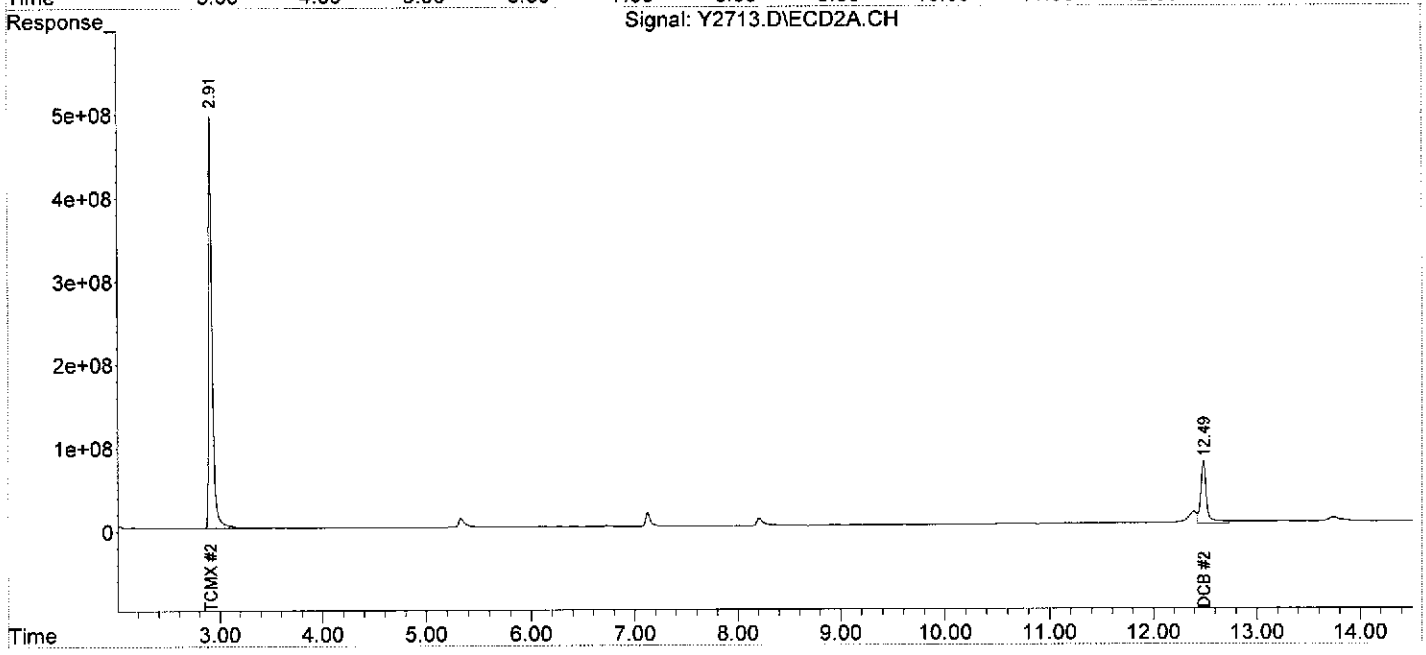
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2713.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 19:37
Operator : YG
Sample : X-45_(1.0-,10376-002,S,5.18g,86.9,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:07:24 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2714.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 19:54
Operator : YG
Sample : X-45_(2.0-,10376-003,S,5.63g,75.8,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:07:46 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	35159.7E6	11475.7E6	346.634	347.991
Spiked Amount 200.000			Recovery	=	173.32%	174.00%
2) S DCB	12.11	12.49	5659.1E6	2286.2E6	221.982	220.177
Spiked Amount 200.000			Recovery	=	110.99%	110.09%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

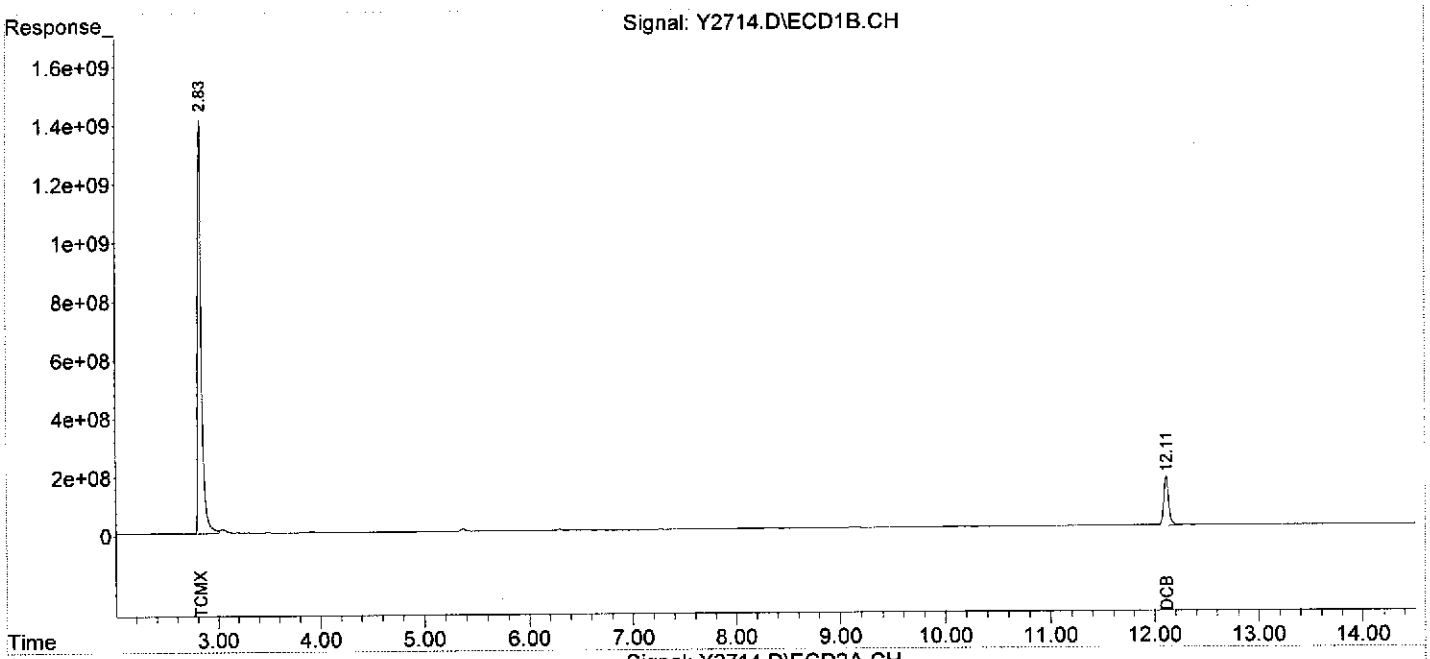
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

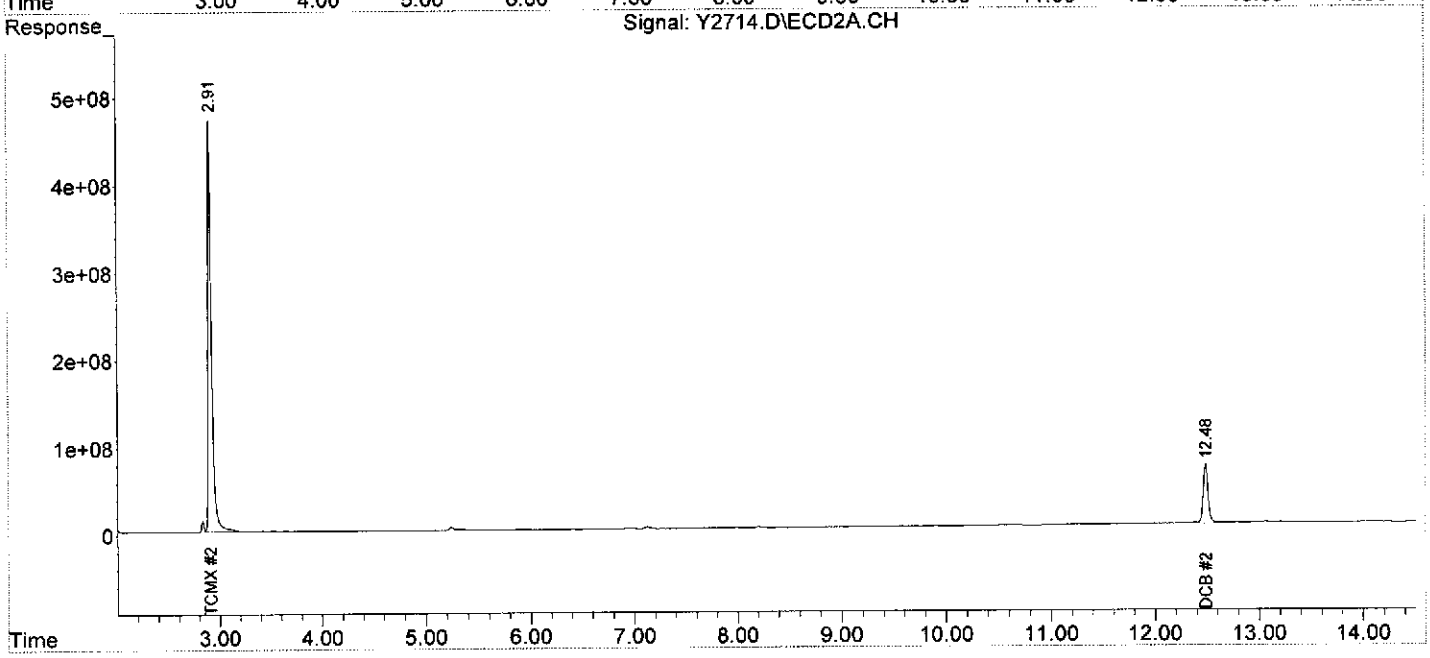
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2714.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 19:54
Operator : YG
Sample : X-45_(2.0-,10376-003,S,5.63g,75.8,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:07:46 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2715.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 20:11
Operator : YG
Sample : X-45_(3.0-,10376-004,S,5.21g,22.6,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:08:09 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	30793.3E6	9778.4E6	303.587	296.520
Spiked Amount 200.000			Recovery	=	151.79%	148.26%
2) S DCB	12.11	12.49	4759.3E6	1927.4E6	186.690	185.625
Spiked Amount 200.000			Recovery	=	93.34%	92.81%
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

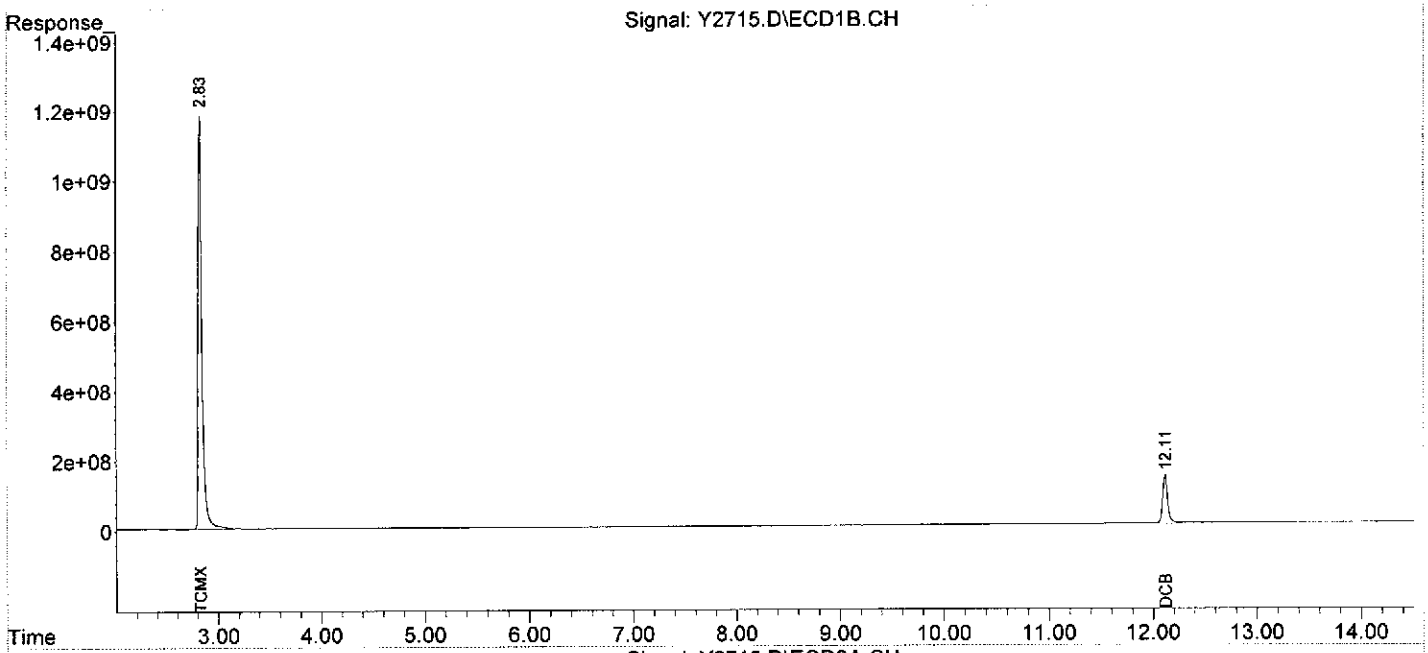
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

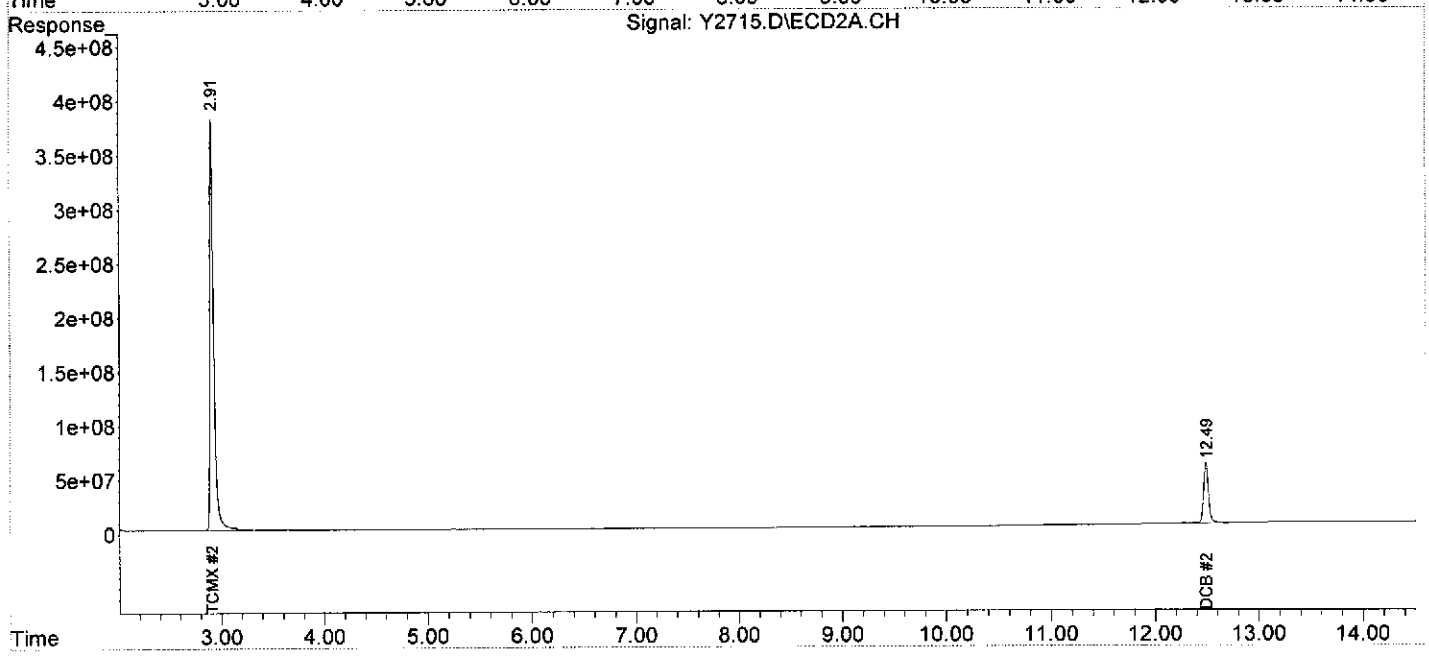
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2715.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 20:11
Operator : YG
Sample : X-45_(3.0-,10376-004,S,5.21g,22.6,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:08:09 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2822.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 10:59
Operator : YG
Sample : X-44_(0-1.,10376-005,S,5.48g,84.0,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,10
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:09:06 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	2667.3E6	870.7E6	26.297	26.403
Spiked Amount 200.000			Recovery	=	13.15%	13.20%
2) S DCB	12.11	12.49	1272.7E6	1165.2E6	49.924	112.216 #
Spiked Amount 200.000			Recovery	=	24.96%	56.11%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.53	5.13	3349.2E6	1043.0E6	862.401	824.063
24) L6 Aroclor-1248 {2}	5.06	5.71	1154.8E6	1121.3E6	550.537	595.621
25) L6 Aroclor-1248 {3}	5.38	6.11	1971.6E6	875.4E6	714.865	659.180
26) L6 Aroclor-1248 {4}	6.08	6.27	2755.5E6	658.3E6	533.552	538.299
27) L6 Aroclor-1248 {5}	6.35	6.62	2217.0E6	328.7E6	635.986	486.937
Sum Aroclor-1248			11448.2E6	4026.7E6	3297.341	3104.101
Average Aroclor-1248					659.468	620.820
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

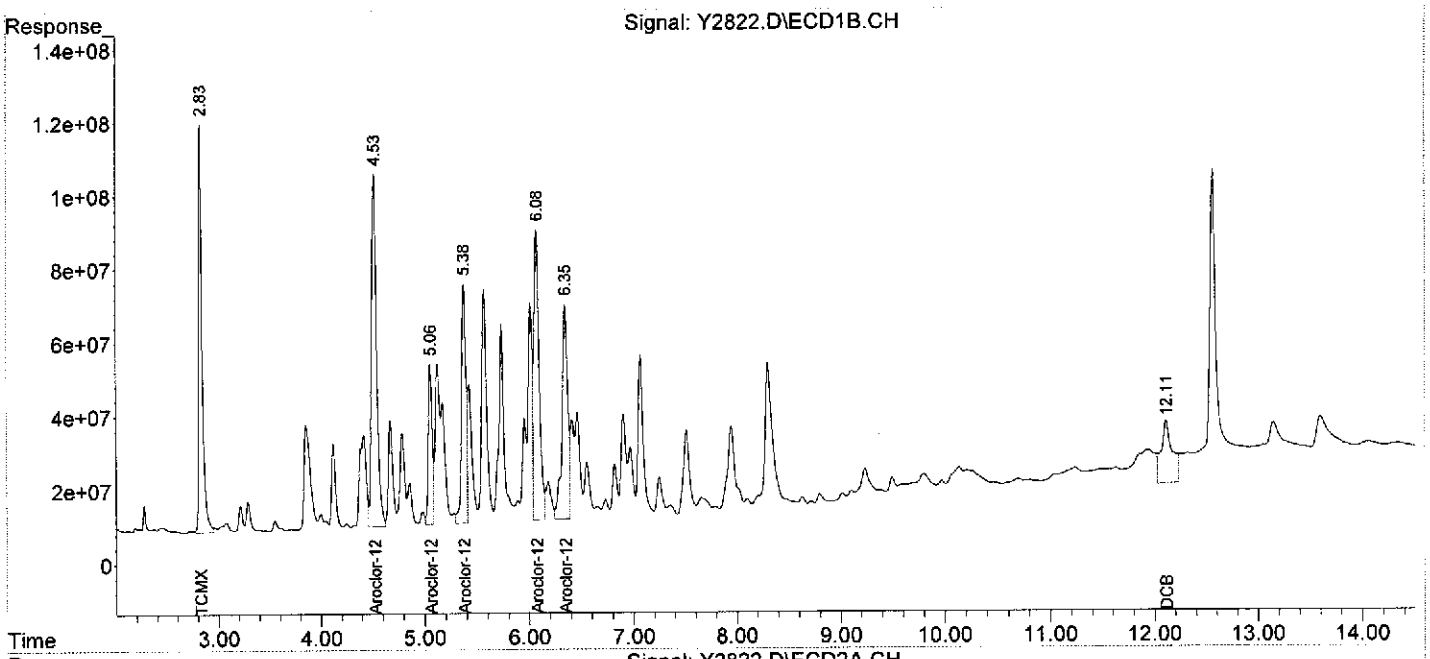
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

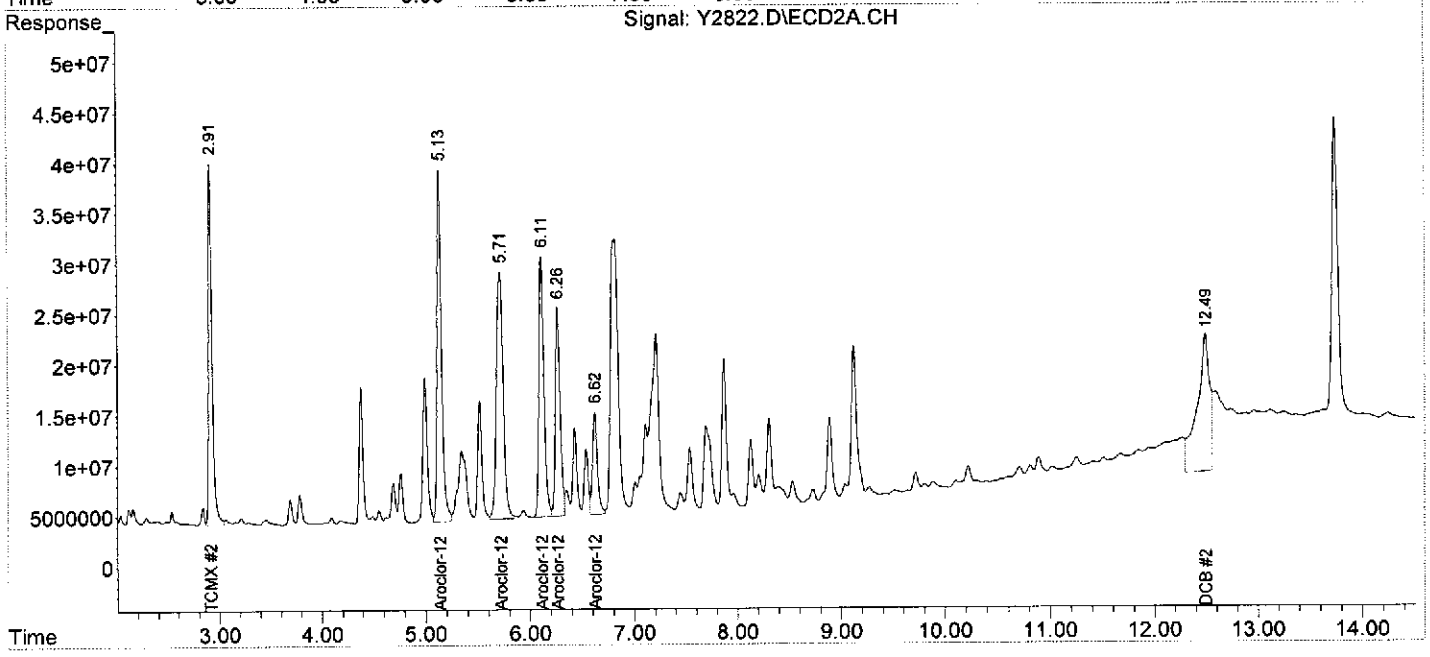
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2822.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 10:59
Operator : YG
Sample : X-44_(0-1.,10376-005,S,5.48g,84.0,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,10
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:09:06 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2717.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 20:46
Operator : YG
Sample : X-44_(1.0-,10376-006,S,5.84g,84.8,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:11:05 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	35435.8E6	12026.0E6	349.356	364.676
Spiked Amount 200.000			Recovery	=	174.68%	182.34%
2) S DCB	12.11	12.48	5411.8E6	3073.5E6	212.284	295.997 #
Spiked Amount 200.000			Recovery	=	106.14%	148.00%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

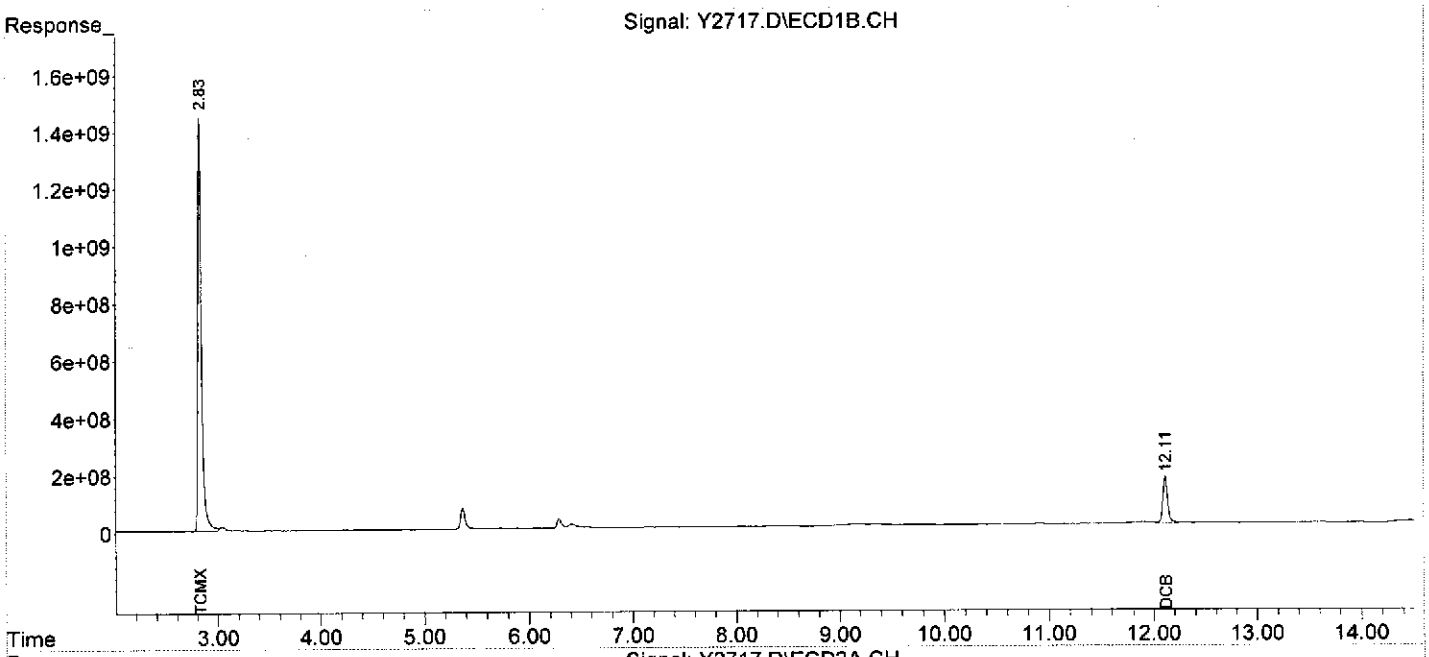
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

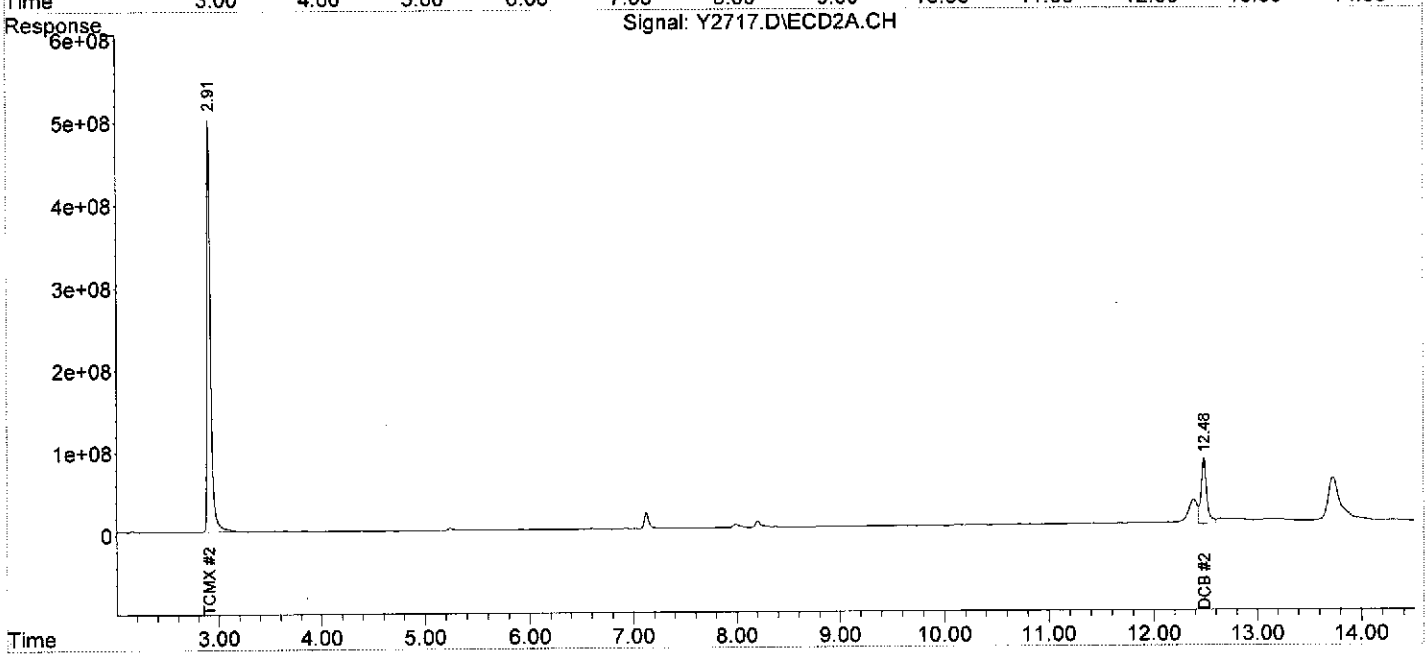
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2717.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 20:46
Operator : YG
Sample : X-44_(1.0-,10376-006,S,5.84g,84.8,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:11:05 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2718.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 21:03
Operator : YG
Sample : X-44_(2.0-,10376-007,S,5.25g,50.7,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:12:04 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	32897.4E6	10644.5E6	324.331	322.785
Spiked Amount 200.000			Recovery	=	162.17%	161.39%
2) S DCB	12.11	12.49	4869.5E6	2001.1E6	191.011	192.719
Spiked Amount 200.000			Recovery	=	95.51%	96.36%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

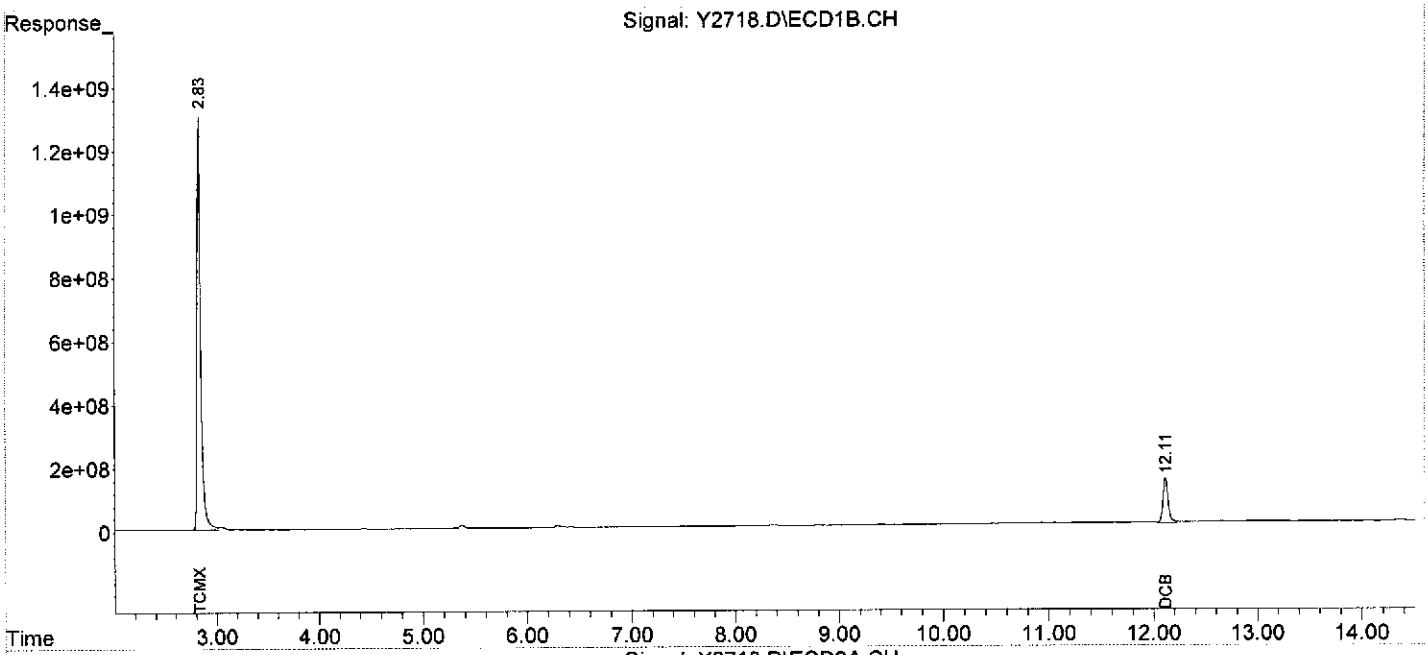
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

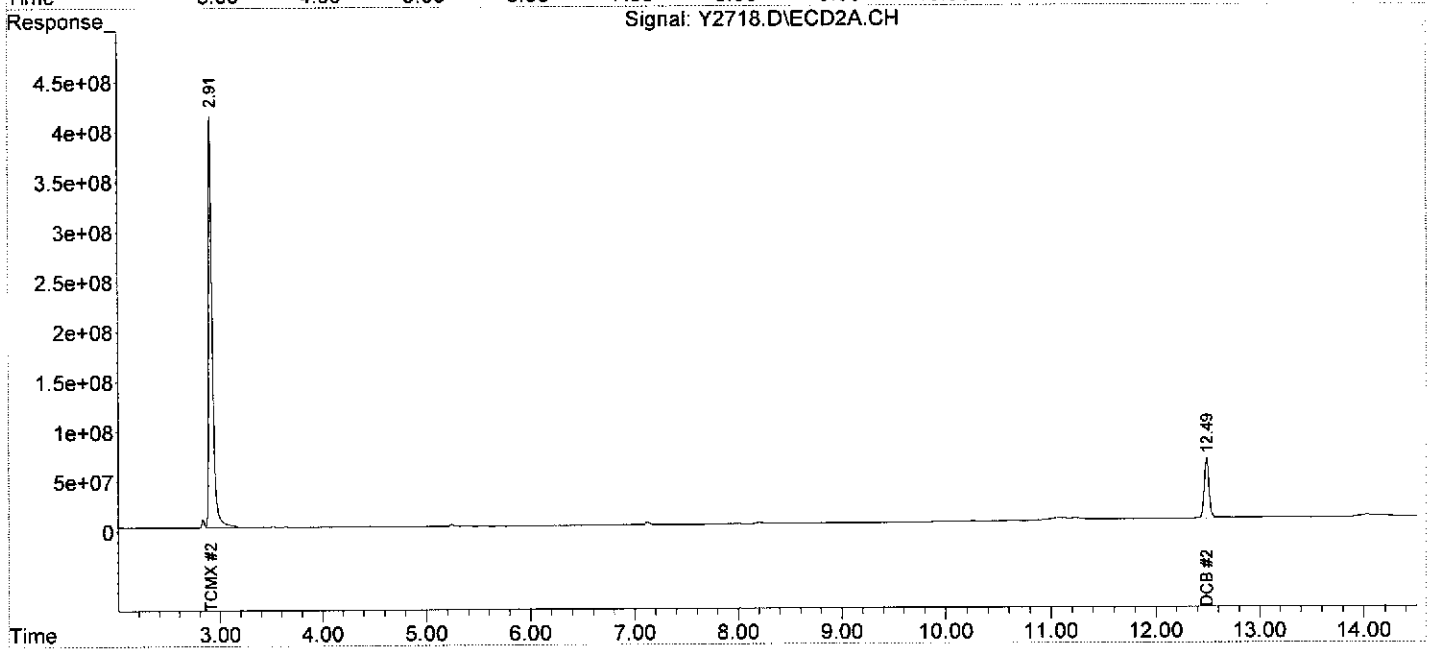
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2718.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 21:03
Operator : YG
Sample : X-44_(2.0-,10376-007,S,5.25g,50.7,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:12:04 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2719.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 21:20
Operator : YG
Sample : X-44_(3.0-,10376-008,S,5.78g,22.9,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:12:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	30141.3E6	9570.1E6	297.158	290.204
Spiked Amount 200.000			Recovery	=	148.58%	145.10%
2) S DCB	12.11	12.49	4781.7E6	1880.9E6	187.565	181.144
Spiked Amount 200.000			Recovery	=	93.78%	90.57%
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

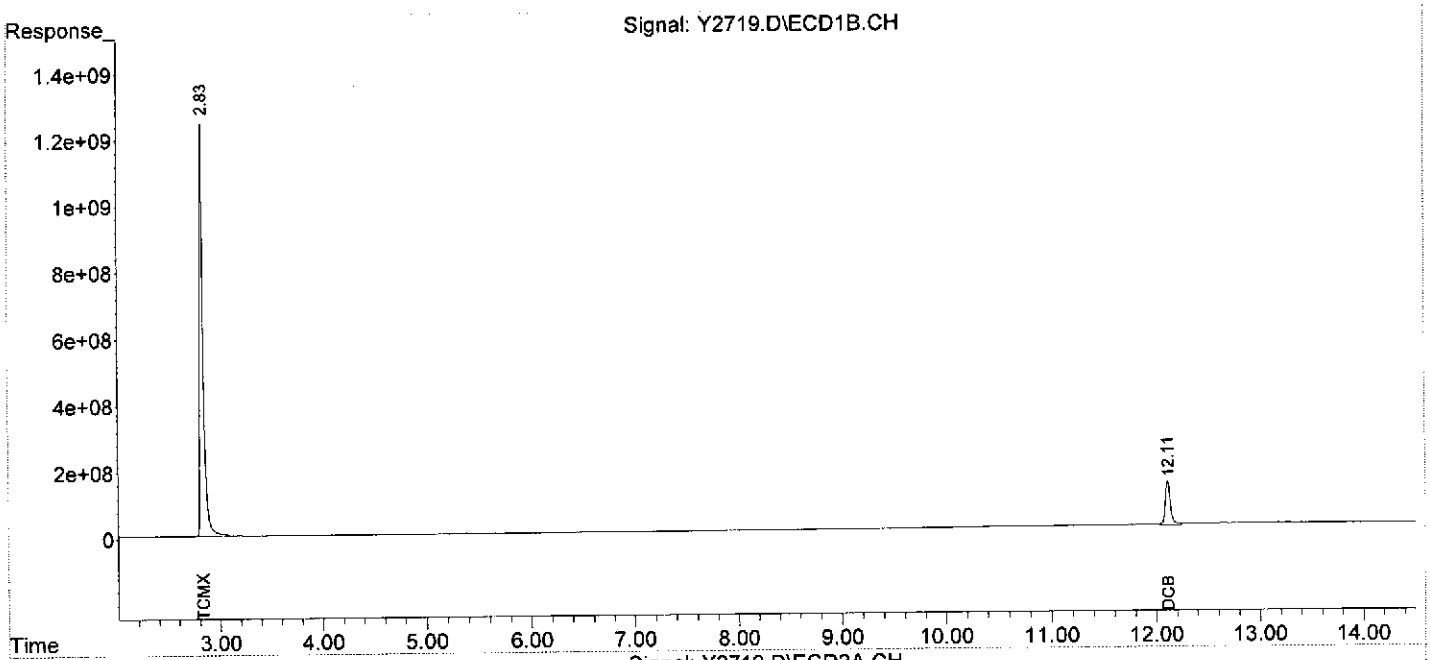
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

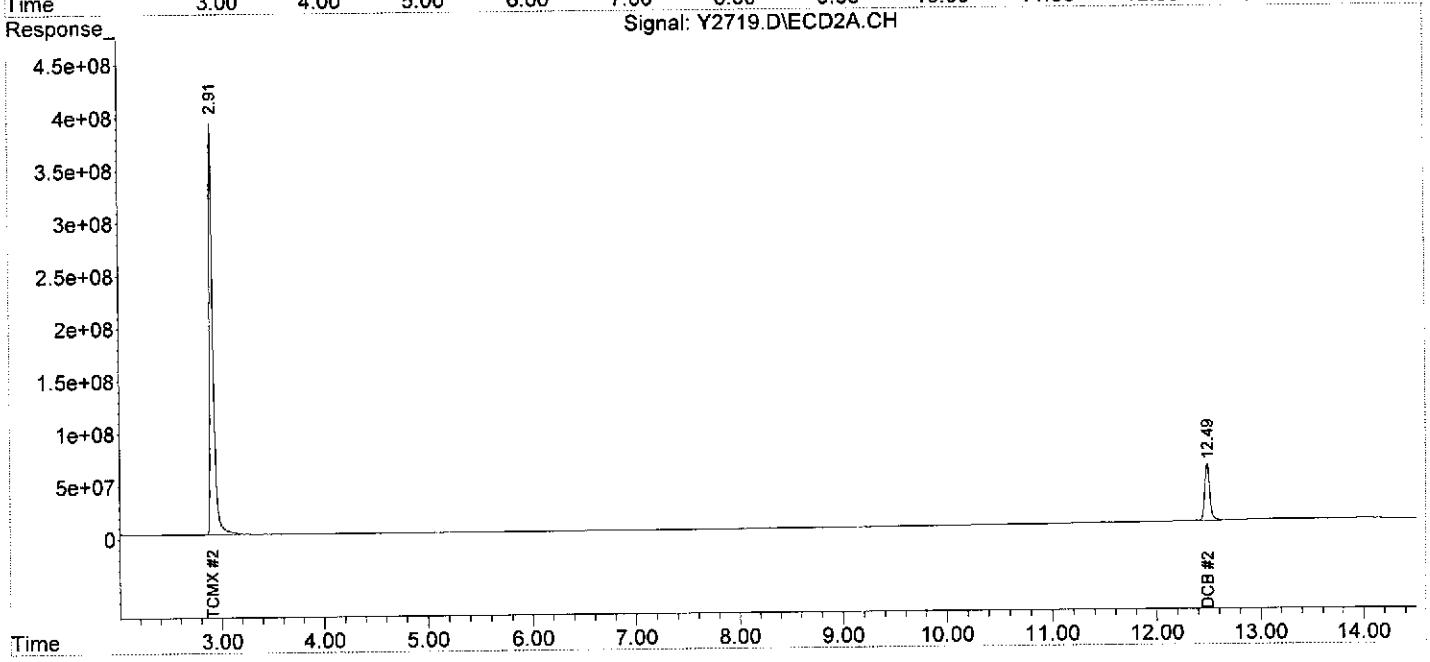
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2719.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 21:20
Operator : YG
Sample : X-44_(3.0-,10376-008,S,5.78g,22.9,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:12:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2720.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 21:37
Operator : YG
Sample : W-45_(0-1.,10376-009,S,5.49g,82.9,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:12:54 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2	
System Monitoring Compounds							
1) S TCMX	2.83	2.91	35084.2E6	11337.8E6	345.890	343.809	
Spiked Amount 200.000			Recovery	=	172.94%	171.90%	
2) S DCB	12.11	12.48	5423.8E6	2226.2E6	212.755	214.398	
Spiked Amount 200.000			Recovery	=	106.38%	107.20%	
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
23) L6 Aroclor-1248	4.52	5.13	847.9E6	256.4E6	218.332	202.566	
24) L6 Aroclor-1248 {2}	5.06	5.70	1015.6E6	1089.0E6	484.144	578.502	
25) L6 Aroclor-1248 {3}	5.38	6.11	2107.0E6	994.9E6	763.992	749.137	
26) L6 Aroclor-1248 {4}	6.08	6.26	3225.2E6	370.5E6	624.489	302.966	#
27) L6 Aroclor-1248 {5}	6.35	6.62	1530.8E6	214.4E6	439.131	317.658	#
Sum Aroclor-1248			8726.5E6	2925.2E6	2530.087	2150.829	
Average Aroclor-1248					506.017	430.166	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
Sum Aroclor-1260			0	0	N.D.	N.D.	
Average Aroclor-1260					0.000	0.000	
Sum Aroclor-1262			0	0	N.D.	N.D.	
Average Aroclor-1262					0.000	0.000	
Sum Aroclor-1268			0	0	N.D.	N.D.	
Average Aroclor-1268					0.000	0.000	

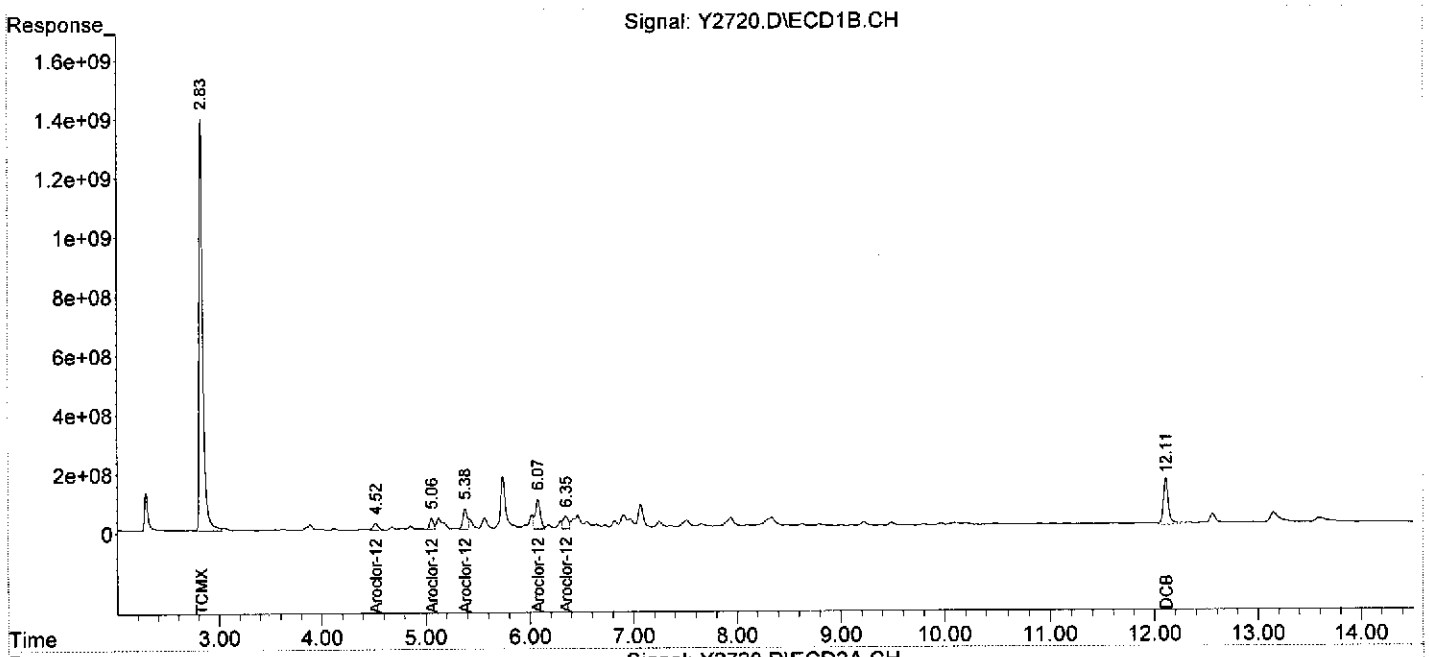
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

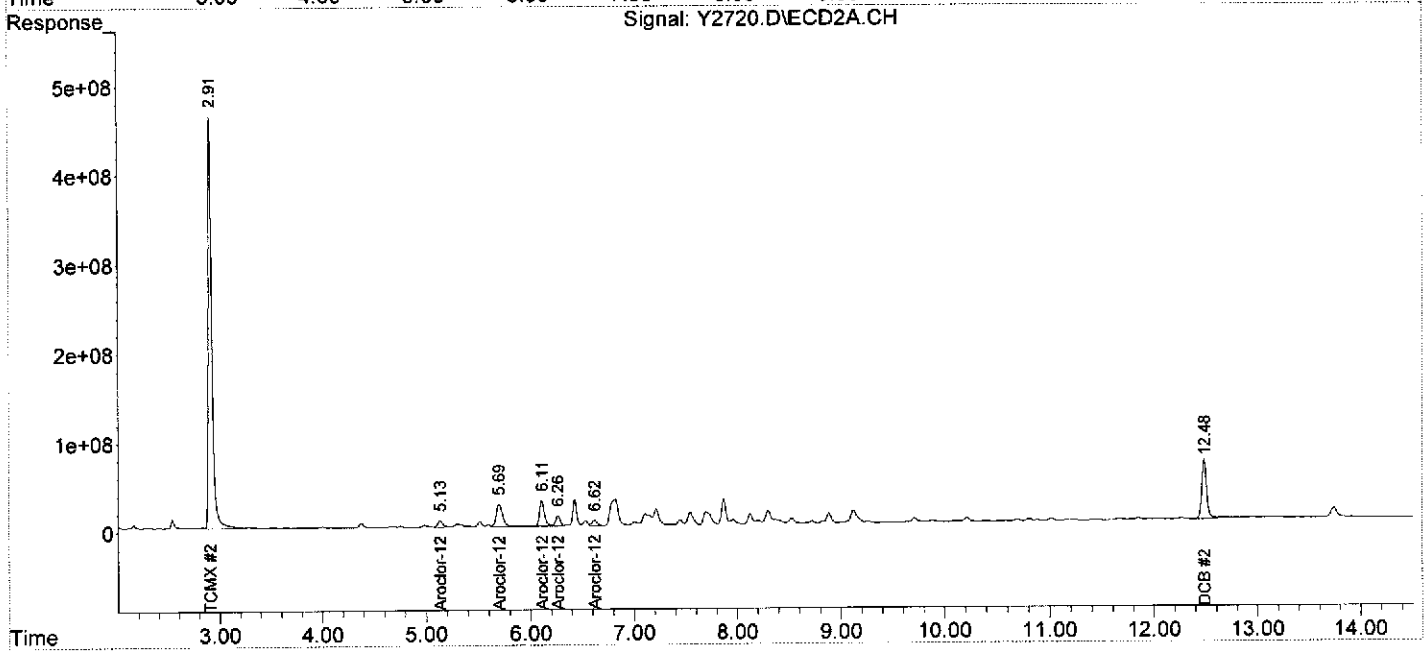
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2720.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 21:37
Operator : YG
Sample : W-45_(0-1.,10376-009,S,5.49g,82.9,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:12:54 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2721.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 21:54
Operator : YG
Sample : W-45_(1.0-,10376-010,S,5.75g,85.7,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:13:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.82	2.91	32400.8E6	11326.7E6	319.435	343.472
Spiked Amount 200.000			Recovery	=	159.72%	171.74%
2) S DCB	12.11	12.49	5475.6E6	2868.0E6	214.785	276.208 #
Spiked Amount 200.000			Recovery	=	107.39%	138.10%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	200.6E6	56939112	51.649	44.985
24) L6 Aroclor-1248 {2}	5.05	5.71	92110548	98200407	43.911	52.165
25) L6 Aroclor-1248 {3}	5.37	6.11	838.5E6	95590718	304.028	71.980 #
26) L6 Aroclor-1248 {4}	6.08	6.26	301.2E6	54221946	58.327	44.335
27) L6 Aroclor-1248 {5}	6.34	6.61	242.2E6	44372005	69.489	65.741
Sum Aroclor-1248			1674.7E6	349.3E6	527.405	279.205
Average Aroclor-1248					105.481	55.841
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

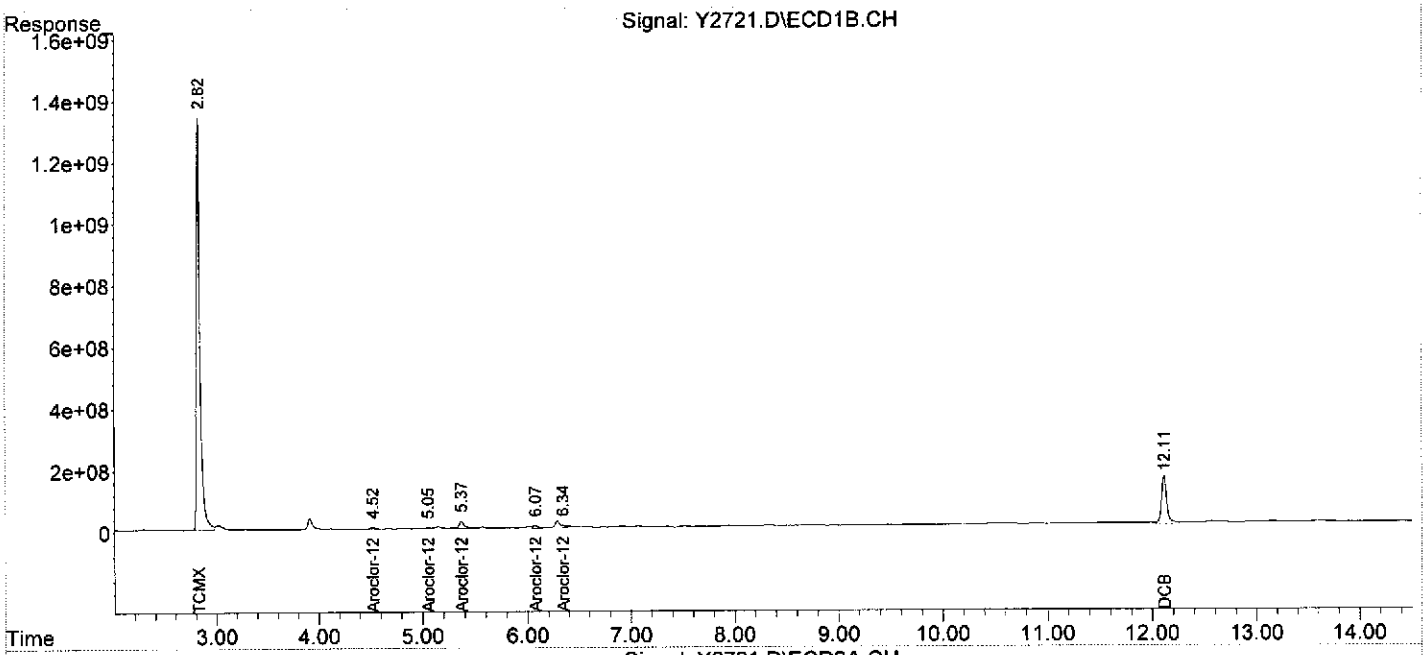
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

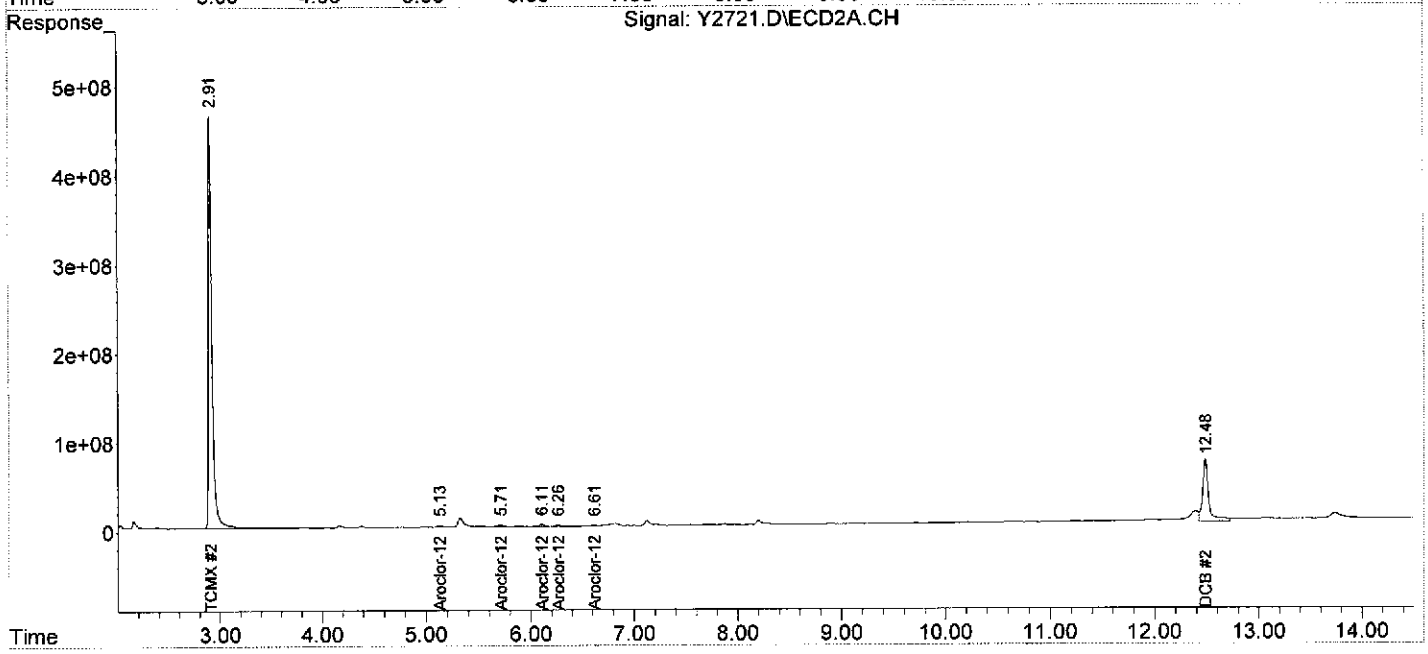
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2721.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 21:54
Operator : YG
Sample : W-45_(1.0-,10376-010,S,5.75g,85.7,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:13:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2722.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 22:12
Operator : YG
Sample : W-45_(2.0-,10376-011,S,5.39g,78.0,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:14:10 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	33753.8E6	11168.4E6	332.774	338.672
Spiked Amount 200.000			Recovery	=	166.39%	169.34%
2) S DCB	12.11	12.49	4830.7E6	2215.4E6	189.488	213.353
Spiked Amount 200.000			Recovery	=	94.74%	106.68%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

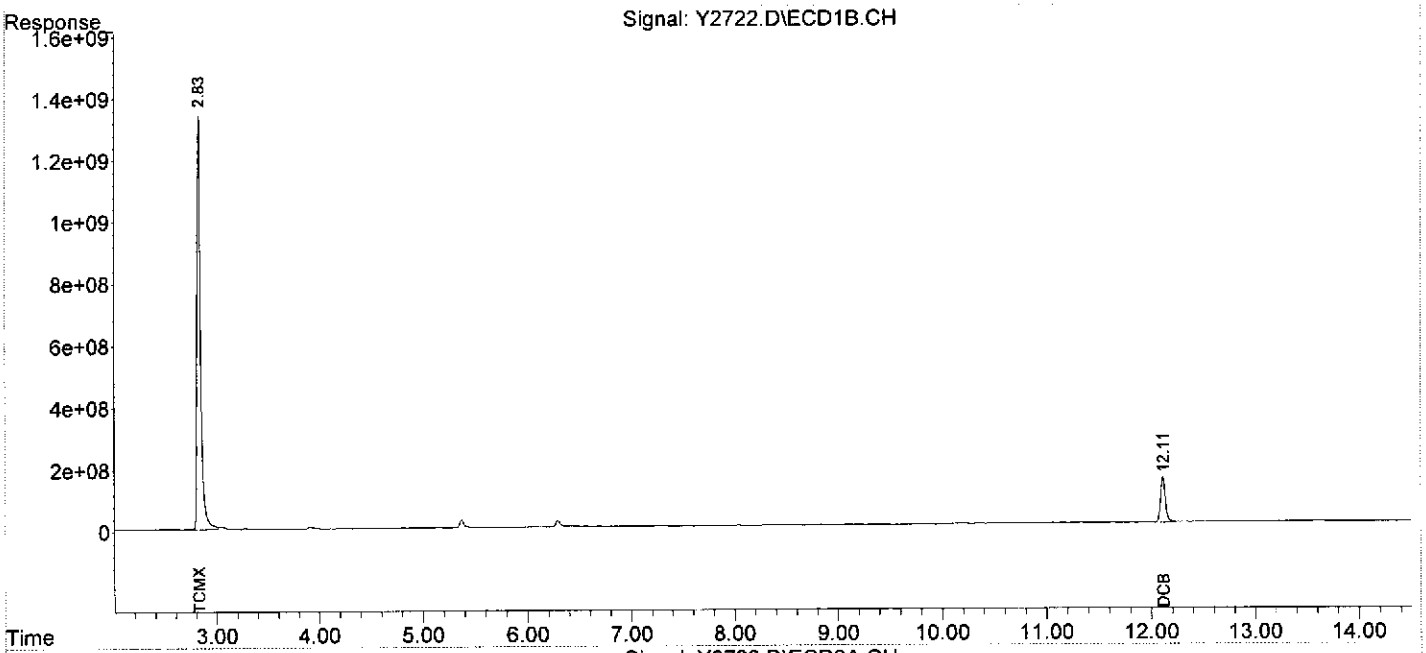
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

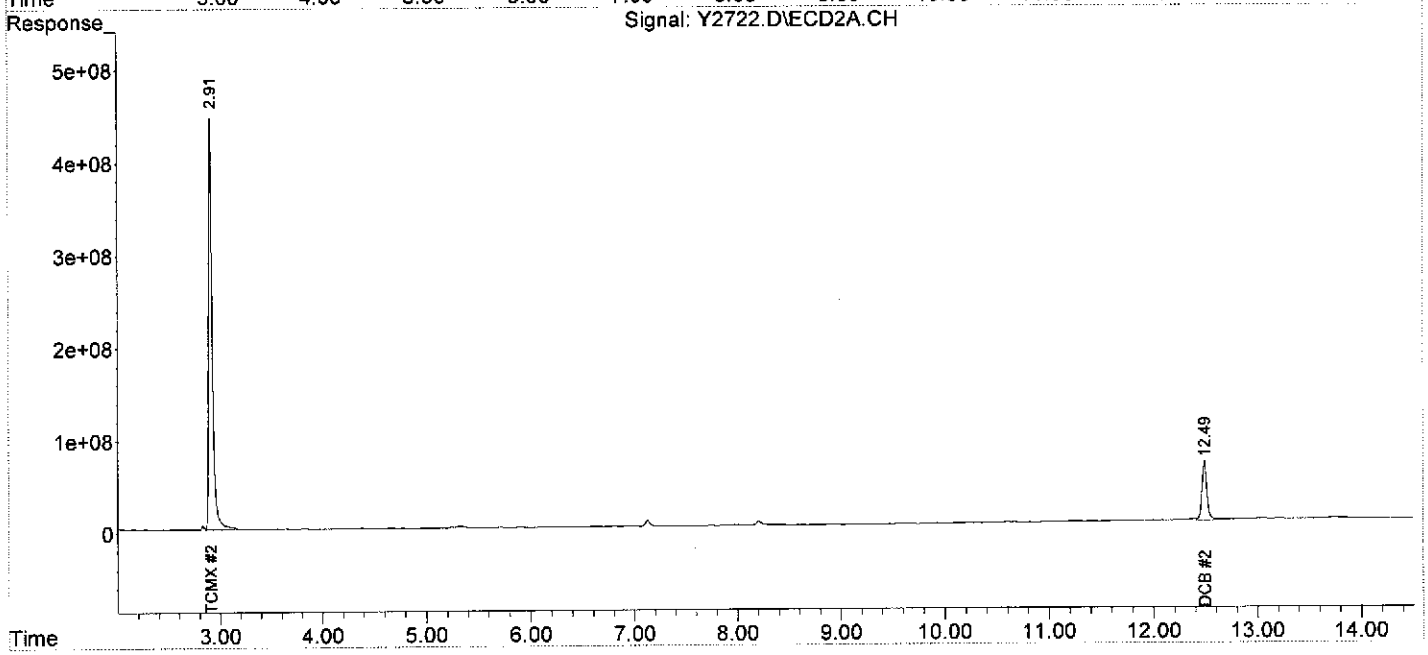
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2722.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 22:12
Operator : YG
Sample : W-45_(2.0-,10376-011,S,5.39g,78.0,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:14:10 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2723.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 22:29
Operator : YG
Sample : W-45_(3.0-,10376-012,S,5.17g,24.4,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:14:37 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	29540.8E6	9351.0E6	291.239	283.561
Spiked Amount 200.000			Recovery	=	145.62%	141.78%
2) S DCB	12.11	12.49	4287.2E6	1831.1E6	168.169	176.343
Spiked Amount 200.000			Recovery	=	84.08%	88.17%
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
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

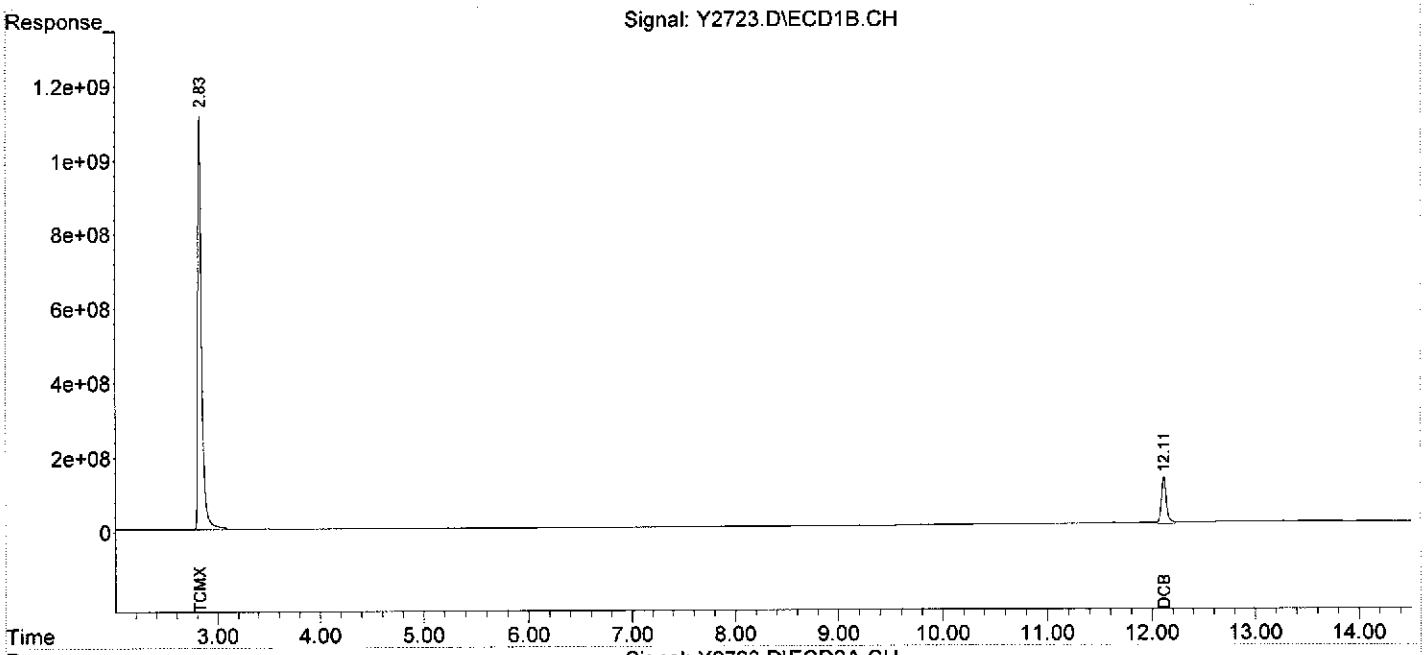
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

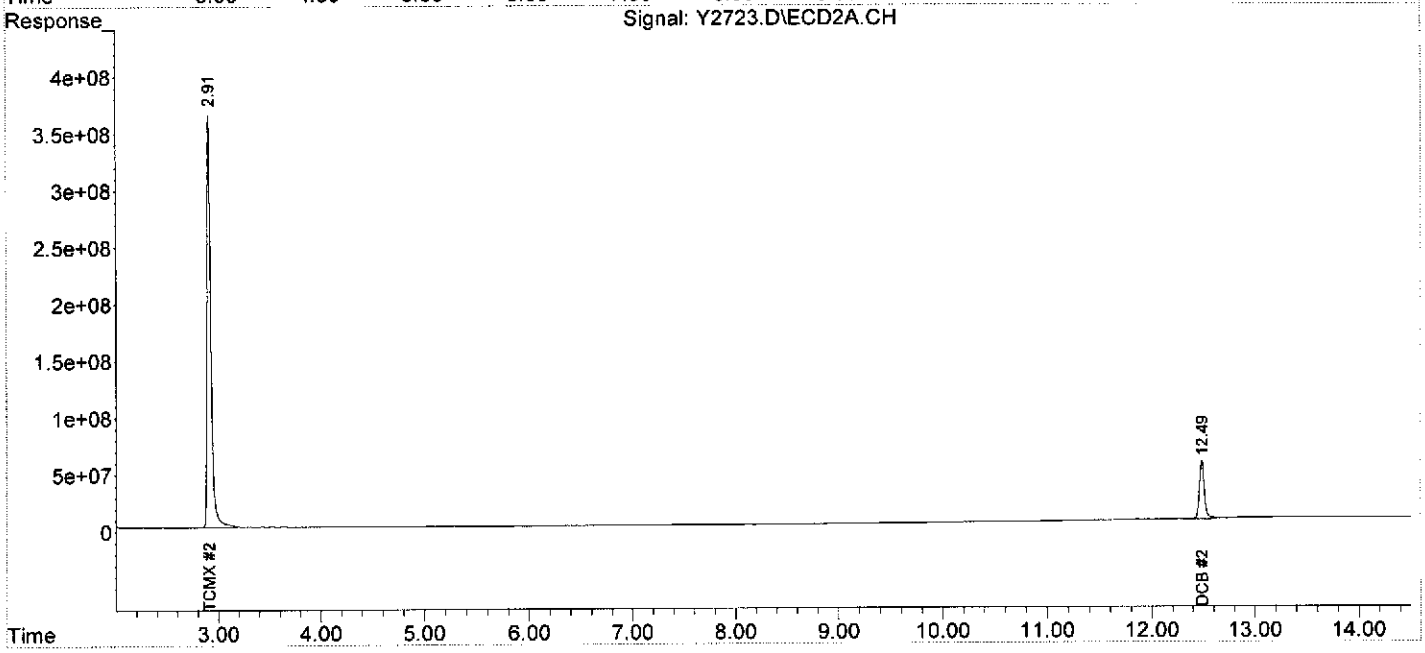
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2723.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 22:29
Operator : YG
Sample : W-45_(3.0-,10376-012,S,5.17g,24.4,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:14:37 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2823.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 11:17
Operator : YG
Sample : W-44_(0-1.,10376-013,S,5.44g,80.3,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,10
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:09:43 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	2843.3E6	903.2E6	28.032	27.389
Spiked Amount 200.000			Recovery	=	14.02%	13.69%
2) S DCB	12.11	12.48	428.9E6	500.9E6	16.823	48.244 #
Spiked Amount 200.000			Recovery	=	8.41%	24.12%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.53	5.13	701.9E6	231.6E6	180.742	183.014
24) L6 Aroclor-1248 {2}	5.06	5.71	524.0E6	492.2E6	249.823	261.471
25) L6 Aroclor-1248 {3}	5.38	6.11	794.3E6	383.9E6	288.022	289.089
26) L6 Aroclor-1248 {4}	6.08	6.27	1683.2E6	274.3E6	325.910	224.309 #
27) L6 Aroclor-1248 {5}	6.35	6.62	1086.1E6	165.7E6	311.569	245.514
Sum Aroclor-1248			4789.6E6	1547.8E6	1356.066	1203.396
Average Aroclor-1248					271.213	240.679
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

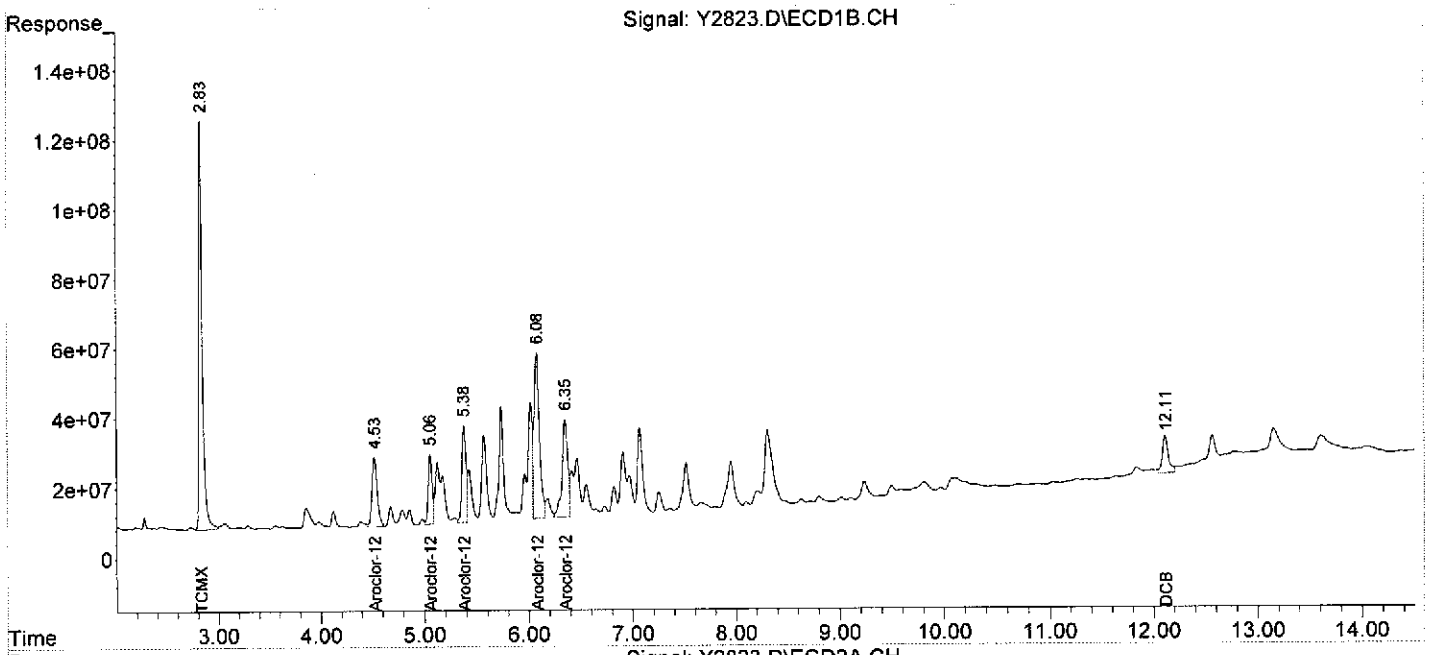
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

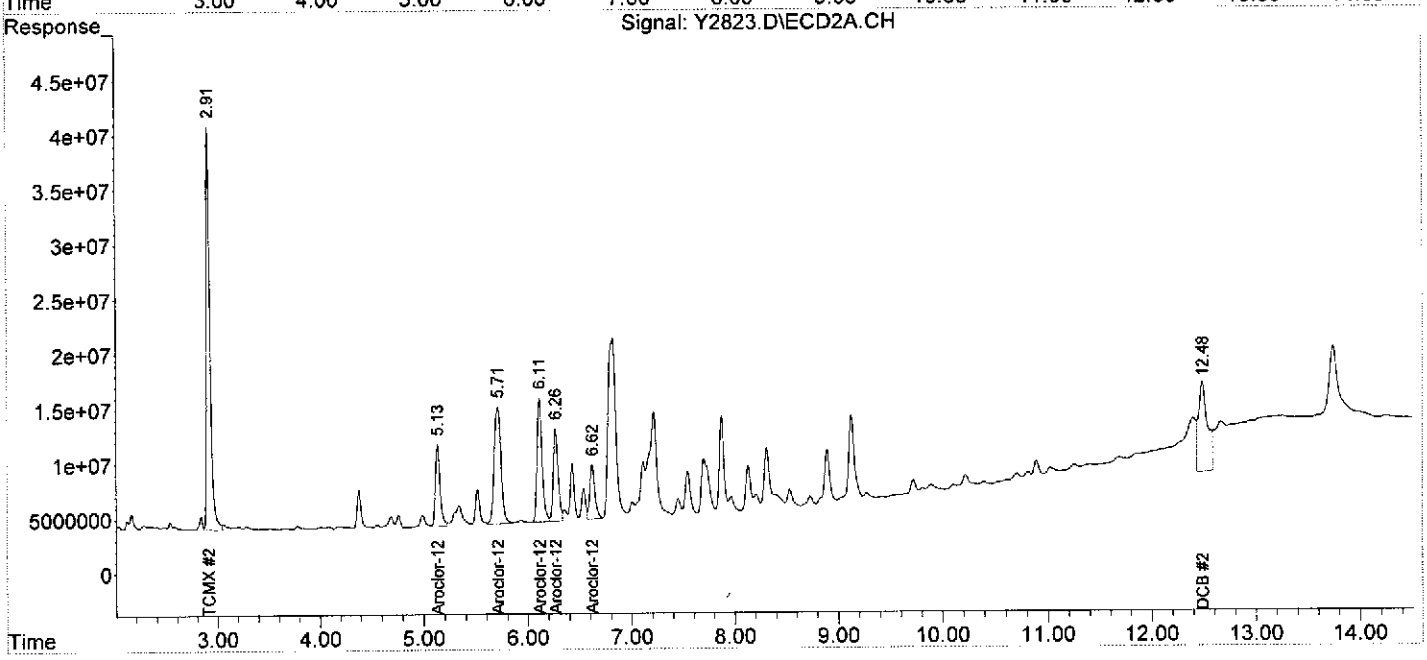
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2823.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 11:17
Operator : YG
Sample : W-44_(0-1.,10376-013,S,5.44g,80.3,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,10
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:09:43 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2725.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 23:03
Operator : YG
Sample : W-44_(1.0-,10376-014,S,5.27g,86.9,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:15:05 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	32953.0E6	11223.1E6	324.879	340.330
Spiked Amount 200.000			Recovery	=	162.44%	170.16%
2) S DCB	12.11	12.49	4633.2E6	2859.7E6	181.740	275.404 #
Spiked Amount 200.000			Recovery	=	90.87%	137.70%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

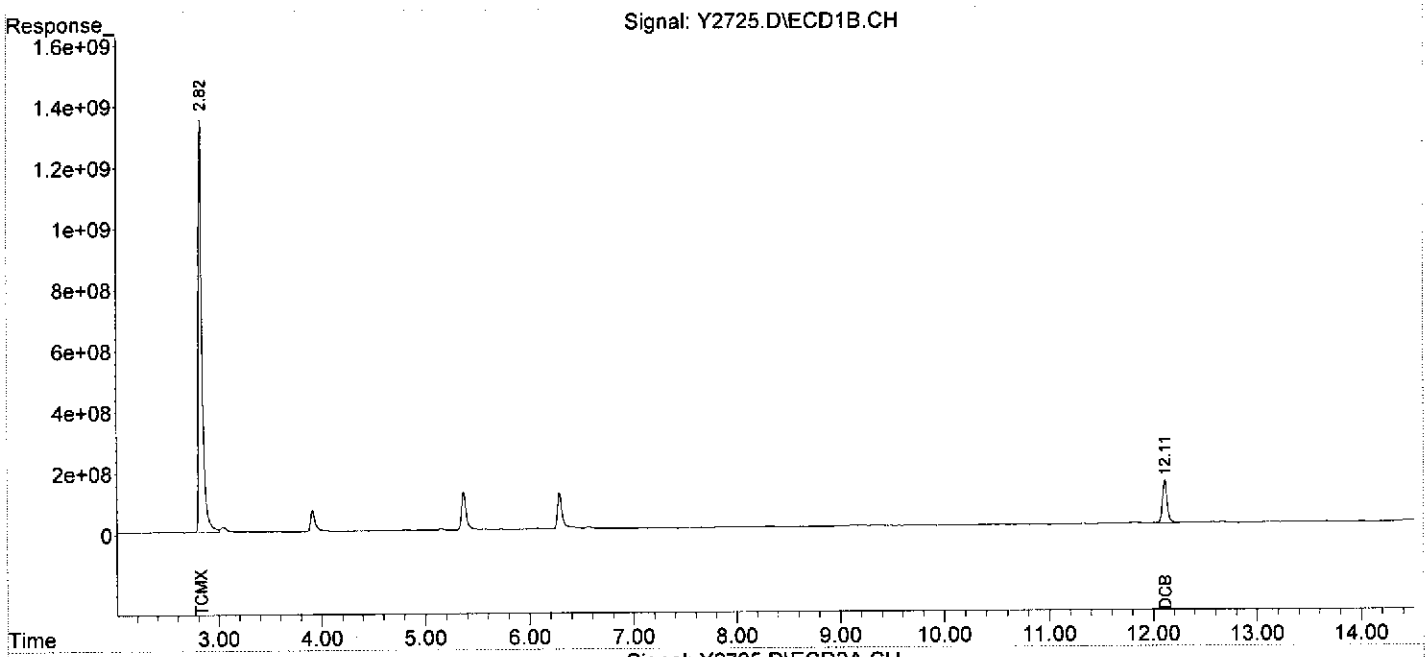
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

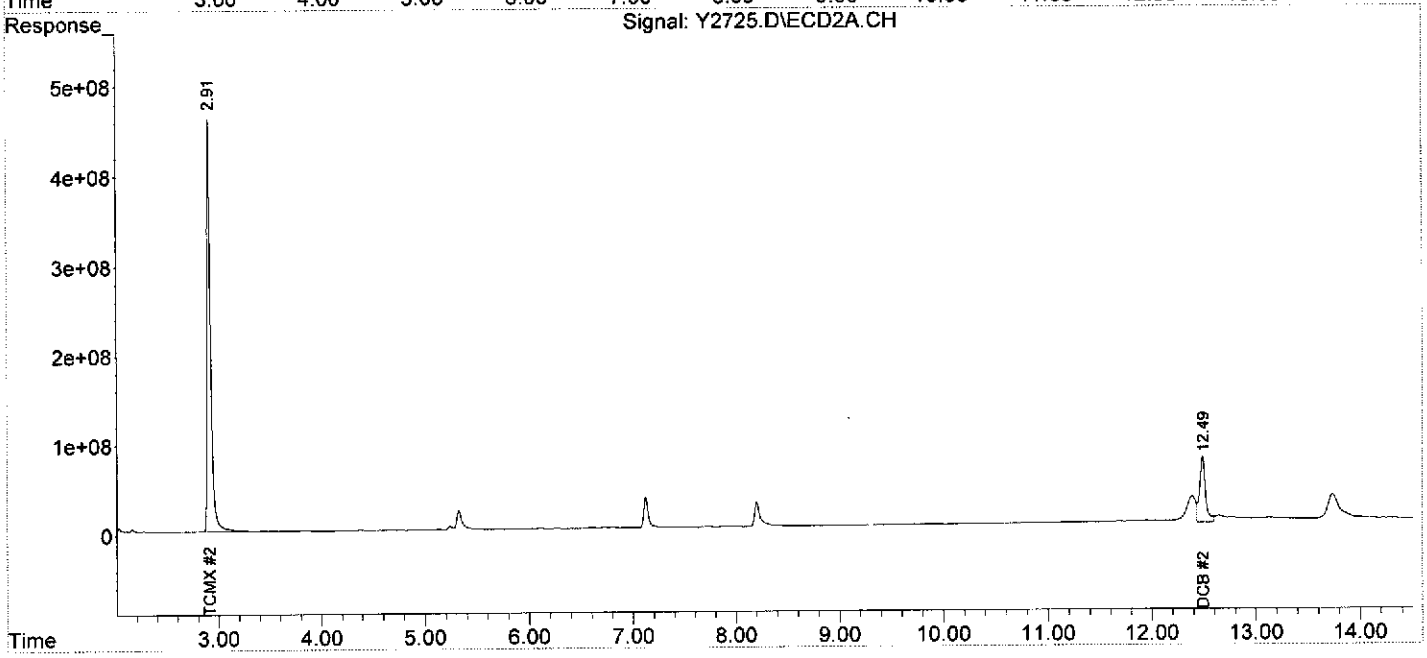
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2725.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 23:03
Operator : YG
Sample : W-44_(1.0-,10376-014,S,5.27g,86.9,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:15:05 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2726.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 23:20
Operator : YG
Sample : W-44_(2.0-,10376-015,S,5.87g,55.9,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:15:27 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	35028.1E6	11534.8E6	345.337	349.781
Spiked Amount 200.000			Recovery	=	172.67%	174.89%
2) S DCB	12.11	12.49	5058.6E6	2268.9E6	198.427	218.506
Spiked Amount 200.000			Recovery	=	99.21%	109.25%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

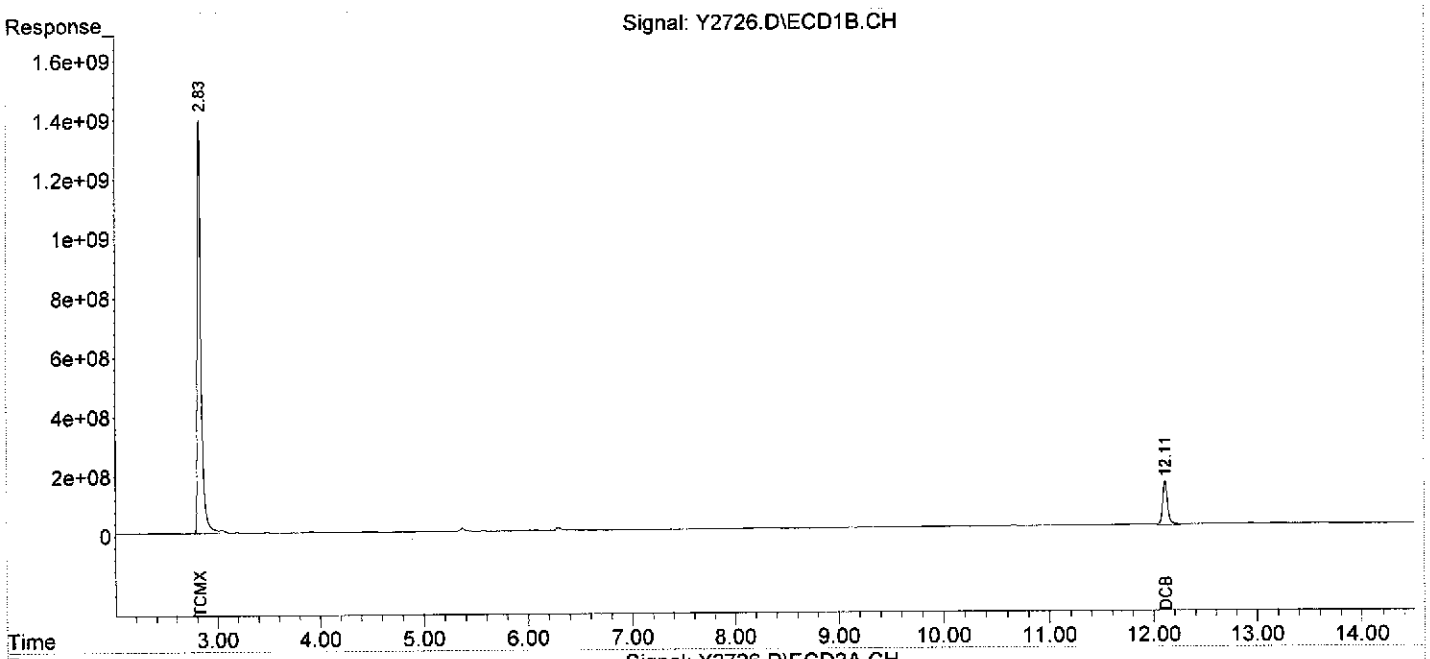
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

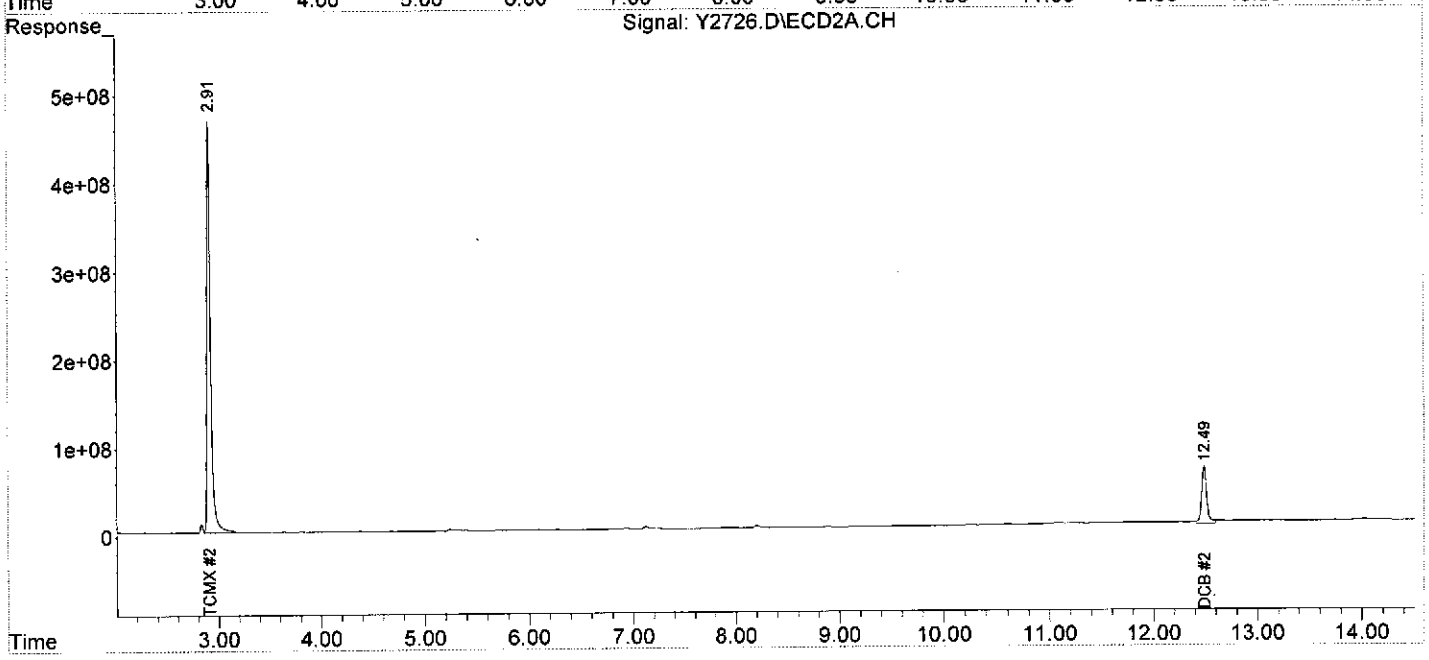
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2726.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 23:20
Operator : YG
Sample : W-44_(2.0-,10376-015,S,5.87g,55.9,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:15:27 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2727.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 23:38
Operator : YG
Sample : W-44_(3.0-,10376-016,S,5.46g,19.8,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:15:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	28972.1E6	9401.9E6	285.631	285.104
Spiked Amount 200.000			Recovery	=	142.82%	142.55%
2) S DCB	12.11	12.49	3950.0E6	1774.4E6	154.942	170.884
Spiked Amount 200.000			Recovery	=	77.47%	85.44%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

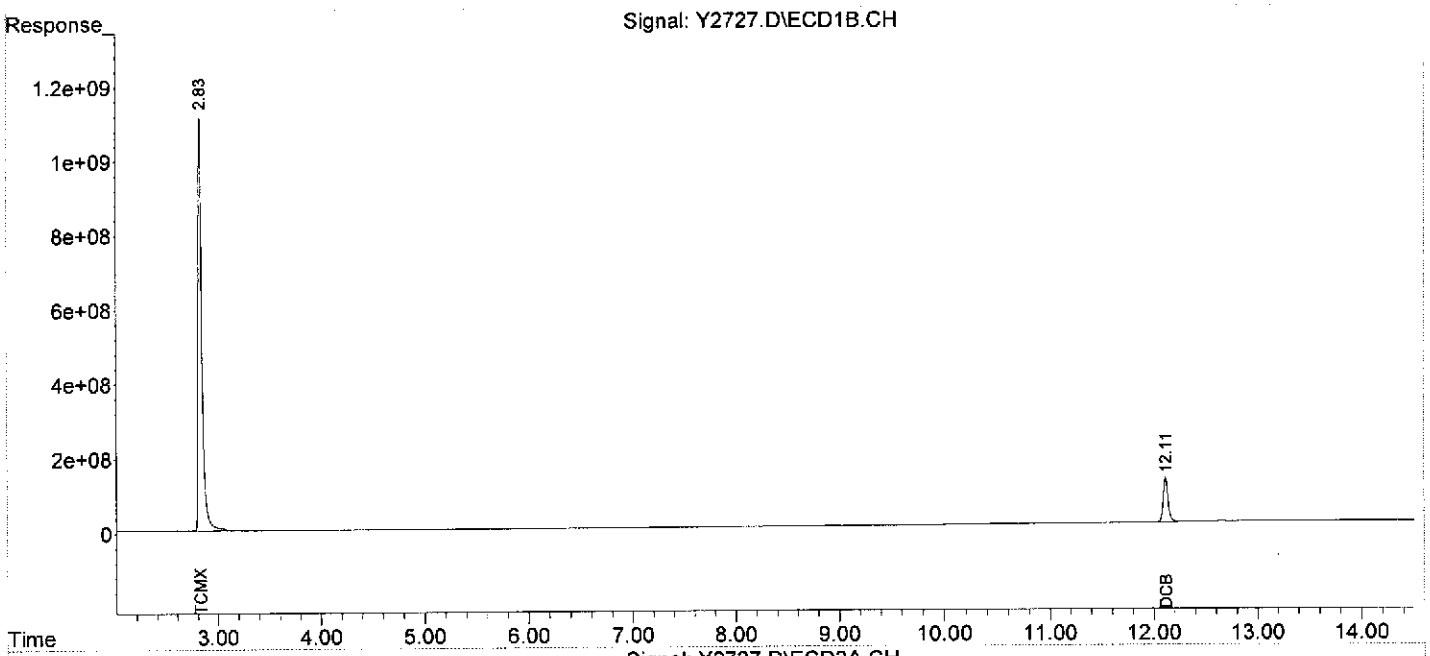
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

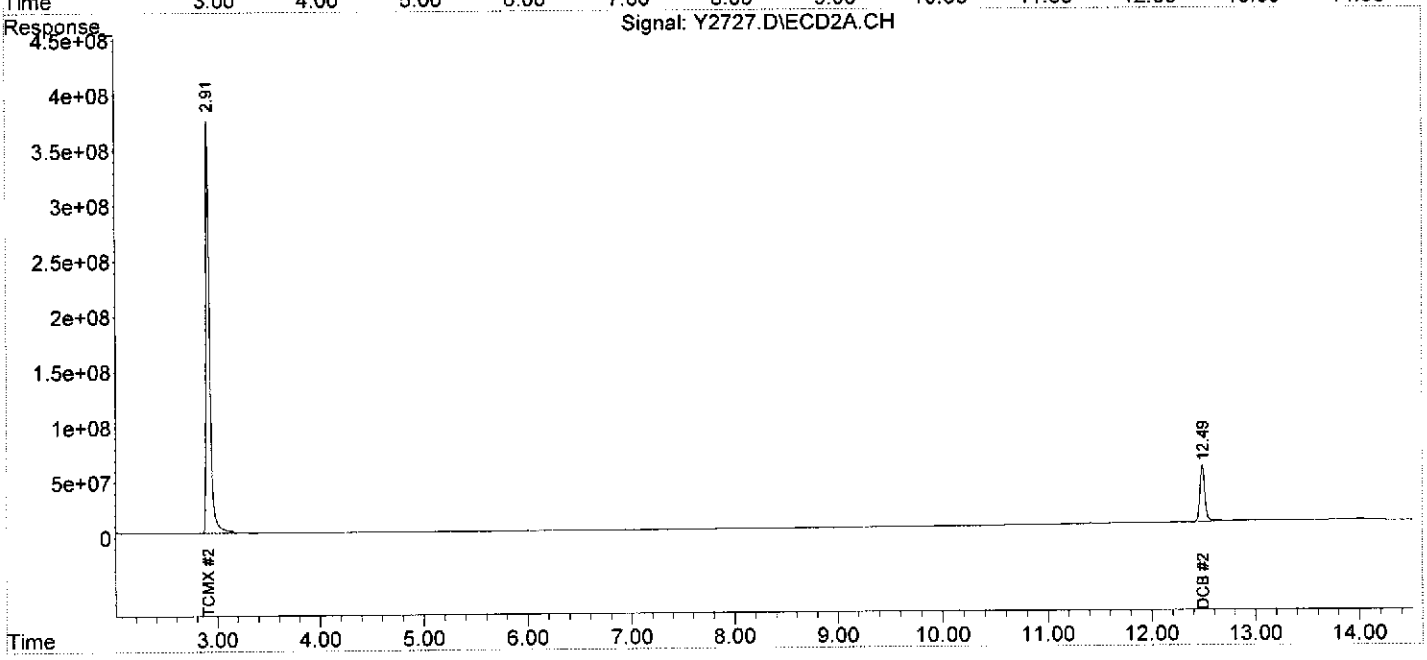
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2727.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 23:38
Operator : YG
Sample : W-44_(3.0-,10376-016,S,5.46g,19.8,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:15:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2824.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 11:34
Operator : YG
Sample : V-45_(0-1.,10376-017,S,5.56g,82.6,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:10:20 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	23771.0E6	8369.6E6	234.355	253.800
Spiked Amount 200.000			Recovery	=	117.18%	126.90%
2) S DCB	12.11	12.48	3203.8E6	1739.7E6	125.672	167.545 #
Spiked Amount 200.000			Recovery	=	62.84%	83.77%
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	4.53	5.13	2484.9E6	814.9E6	639.836	643.819
24) L6 Aroclor-1248 {2}	5.06	5.71	1834.3E6	1884.2E6	874.464	1000.882
25) L6 Aroclor-1248 {3}	5.38	6.11	3268.1E6	1502.4E6	1184.991	1131.341
26) L6 Aroclor-1248 {4}	6.08	6.27	5929.0E6	863.7E6	1148.025	706.179 #
27) L6 Aroclor-1248 {5}	6.35	6.62	3486.2E6	459.9E6	1000.068	681.364 #
Sum Aroclor-1248			17002.5E6	5525.1E6	4847.384	4163.584
Average Aroclor-1248					969.477	832.717
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.34	7.87	3081.6E6	1334.5E6	521.411	1635.945 #
34) L8 Aroclor-1260 {2}	9.01	8.13	542.3E6	734.9E6	207.384	612.171 #
35) L8 Aroclor-1260 {3}	9.49	9.71	1769.0E6	423.4E6	267.399	416.600 #
36) L8 Aroclor-1260 {4}	9.97	10.22	655.7E6	775.0E6	187.602	341.988 #
37) L8 Aroclor-1260 {5}	11.03	10.80	416.4E6	489.7E6	269.247	303.176
Sum Aroclor-1260			6464.9E6	3757.5E6	1453.044	3309.880
Average Aroclor-1260					290.609	661.976
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2824.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 11:34
Operator : YG
Sample : V-45_(0-1.,10376-017,S,5.56g,82.6,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:10:20 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

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

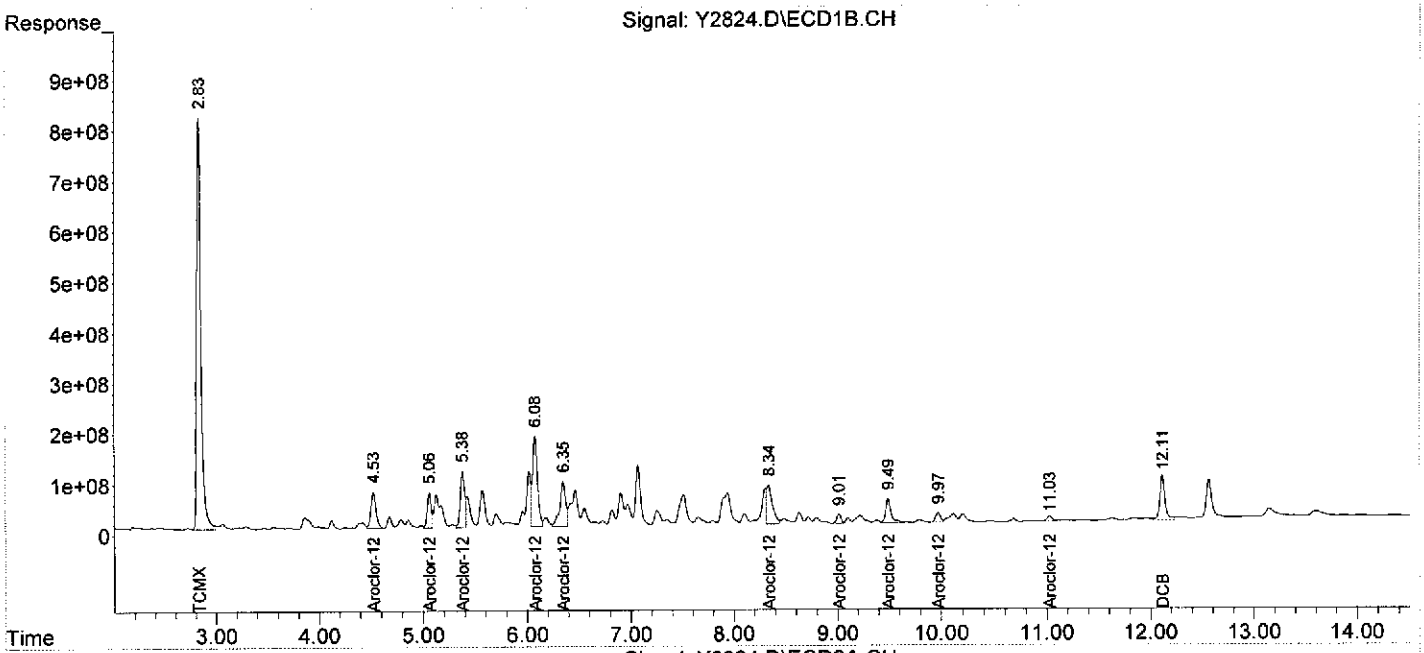
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

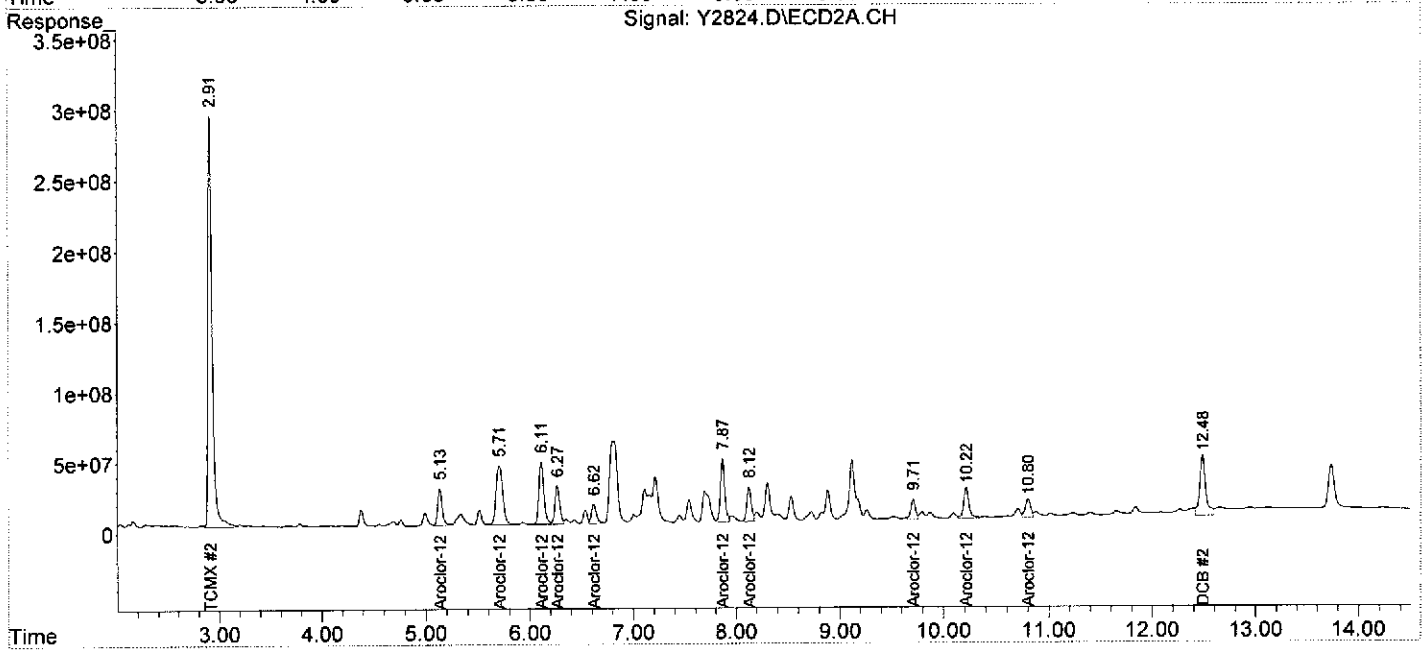
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-24-12\
Data File : Y2824.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Oct 2012 11:34
Operator : YG
Sample : V-45_(0-1.,10376-017,S,5.56g,82.6,10/17/12,4
Misc : 121017-07,10/11/12,10/11/12,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 29 09:10:20 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 25 08:44:30 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2737.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 20 Oct 2012 2:30
Operator : YG
Sample : V-45_(1.0-,10376-018,S,5.51g,84.2,10/17/12,4
Misc : 121017-10,10/11/12,10/11/12,1
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 25 10:21:10 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 14:20:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	34475.8E6	12323.9E6	333.696m	386.181
Spiked Amount 200.000			Recovery	=	166.85%	193.09%
2) S DCB	12.11	12.49	6698.1E6	2421.8E6	310.727	326.992
Spiked Amount 200.000			Recovery	=	155.36%	163.50%
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
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

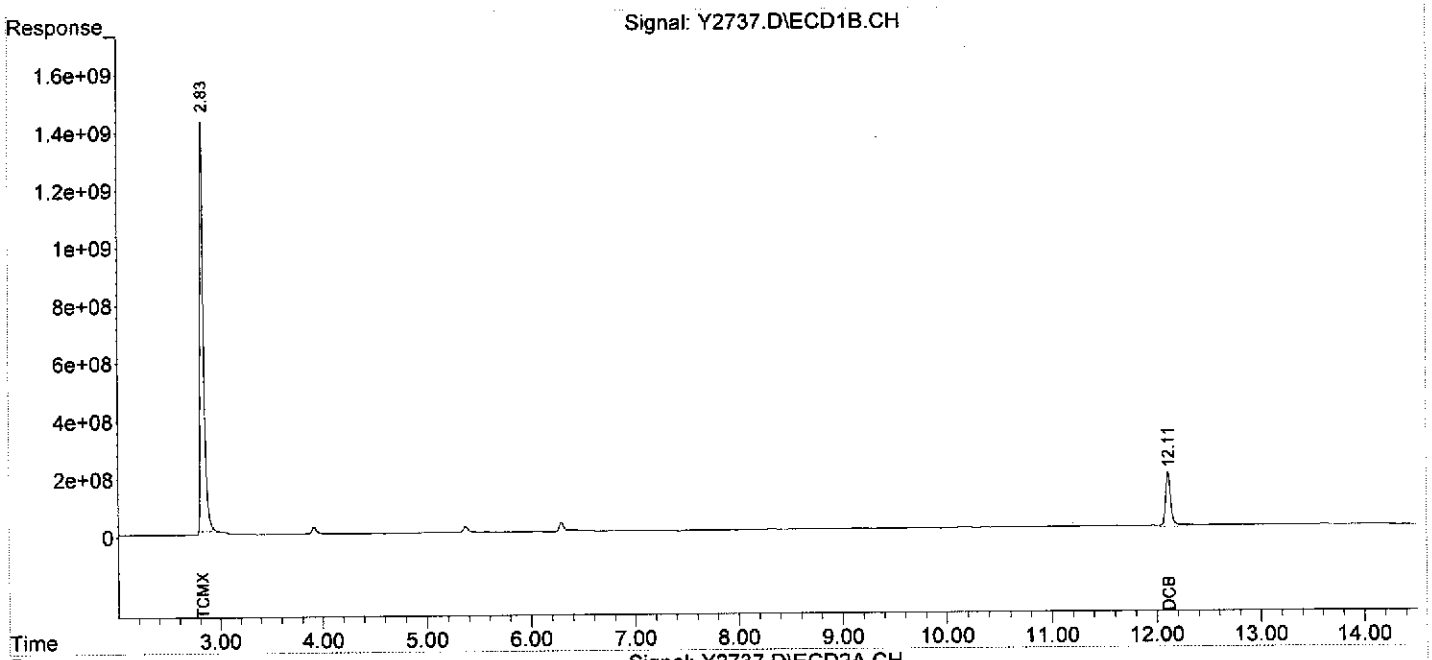
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

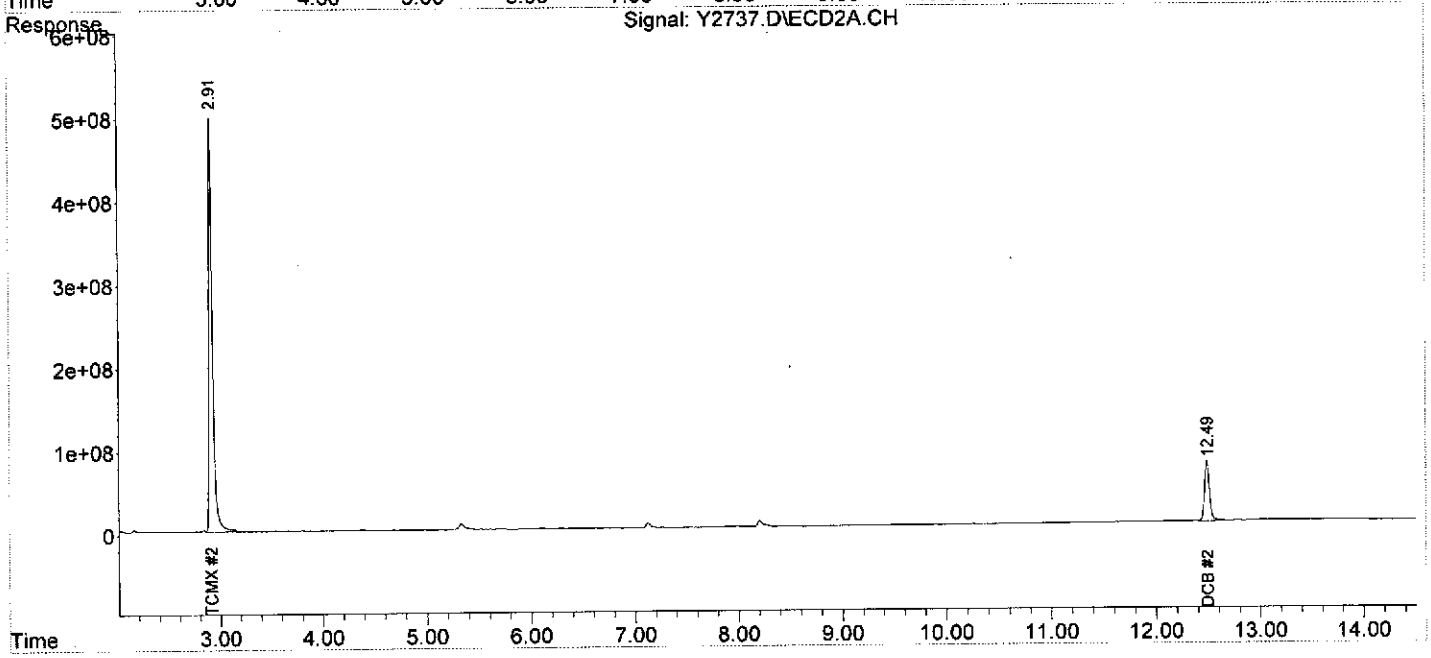
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2737.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 20 Oct 2012 2:30
Operator : YG
Sample : V-45_(1.0-,10376-018,S,5.51g,84.2,10/17/12,4
Misc : 121017-10,10/11/12,10/11/12,1
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 25 10:21:10 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 14:20:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2738.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 20 Oct 2012 2:47
Operator : YG
Sample : V-45_(2.0-,10376-019,S,5.09g,29.5,10/17/12,4
Misc : 121017-10,10/11/12,10/11/12,1
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 25 10:21:36 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 14:20:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	31649.7E6	9976.3E6	306.342	312.617
Spiked Amount 200.000			Recovery	=	153.17%	156.31%
2) S DCB	12.11	12.49	4468.0E6	2157.0E6	207.273	291.238 #
Spiked Amount 200.000			Recovery	=	103.64%	145.62%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

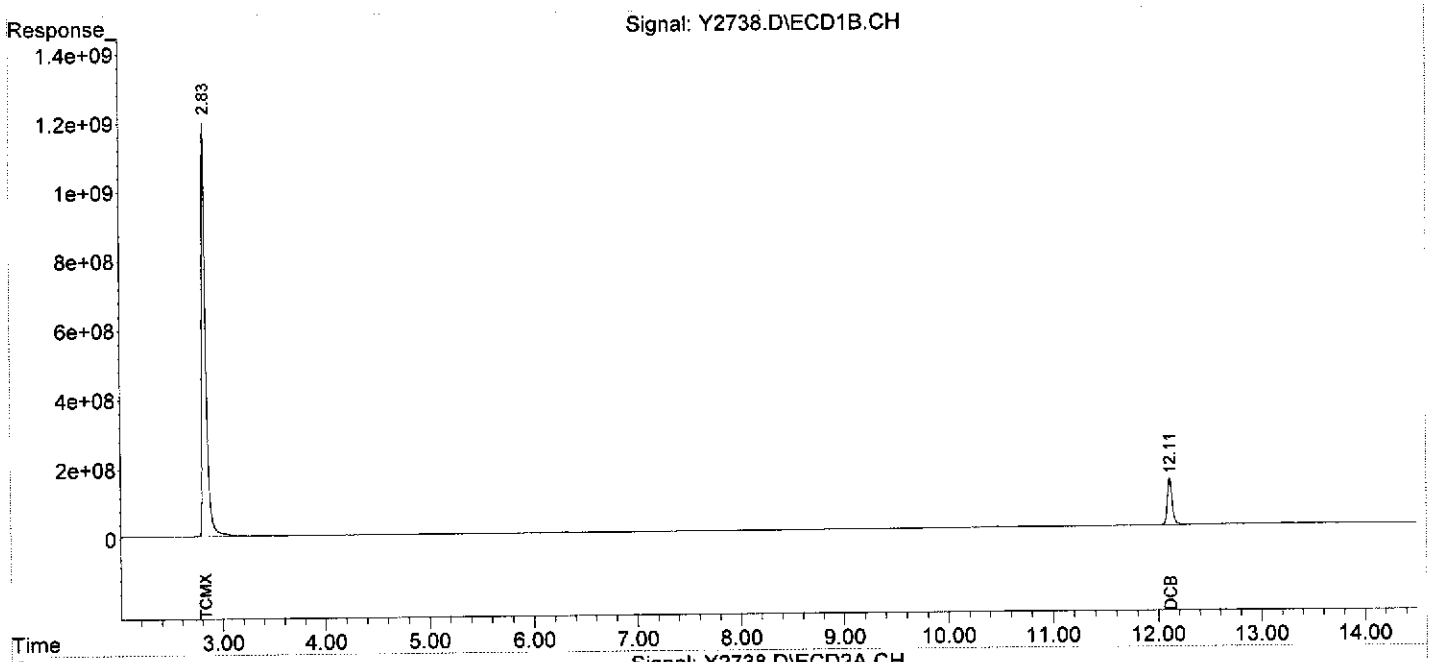
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

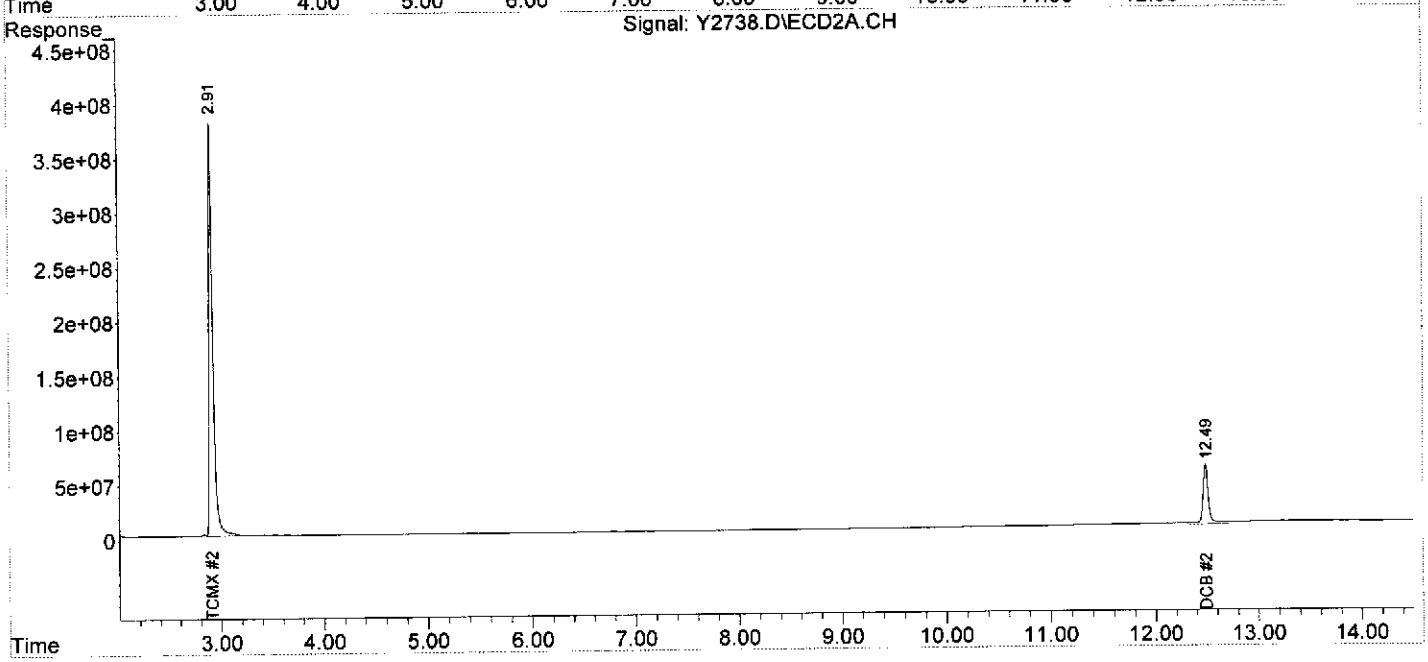
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2738.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 20 Oct 2012 2:47
Operator : YG
Sample : V-45_(2.0-,10376-019,S,5.09g,29.5,10/17/12,4
Misc : 121017-10,10/11/12,10/11/12,1
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 25 10:21:36 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 14:20:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2739.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 20 Oct 2012 3:04
Operator : YG
Sample : V-45_(3.0-,10376-020,S,5.08g,21.8,10/17/12,4
Misc : 121017-10,10/11/12,10/11/12,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 25 10:21:53 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 14:20:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	30981.6E6	9715.9E6	299.875	304.455
Spiked Amount 200.000			Recovery	=	149.94%	152.23%
2) S DCB	12.11	12.49	4636.9E6	2152.7E6	215.107	290.656 #
Spiked Amount 200.000			Recovery	=	107.55%	145.33%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

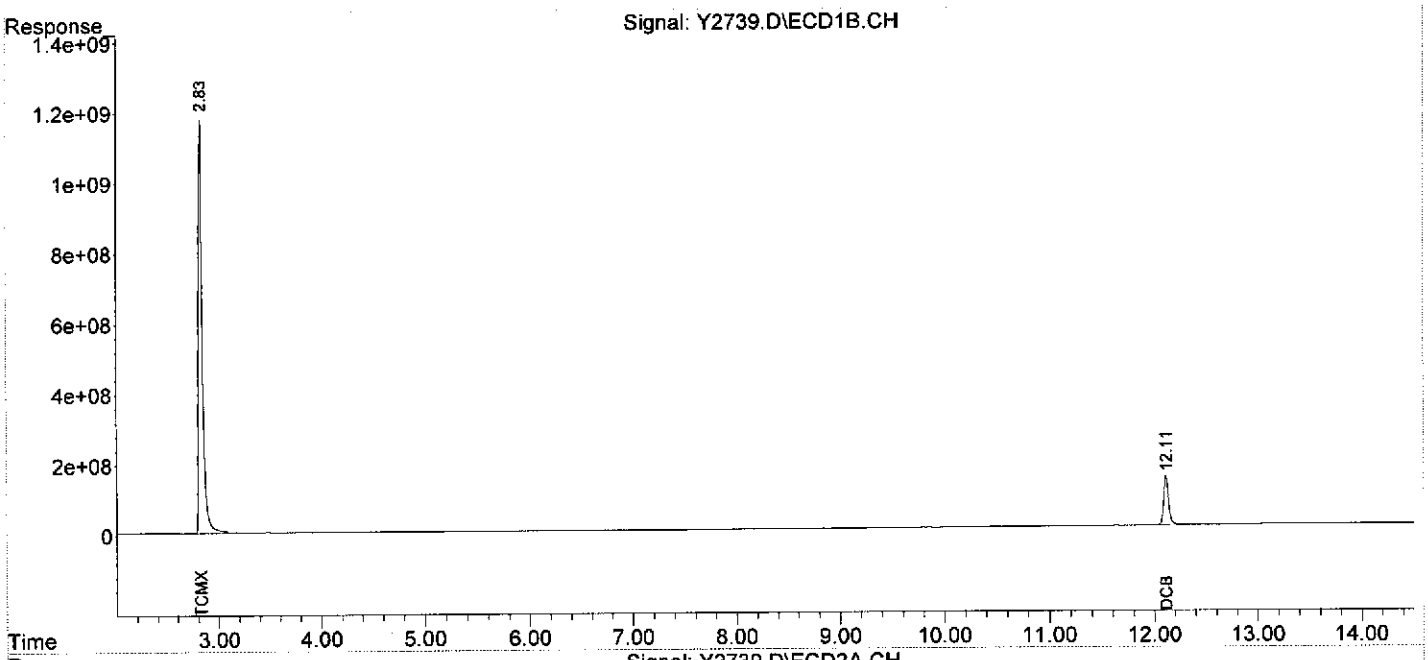
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

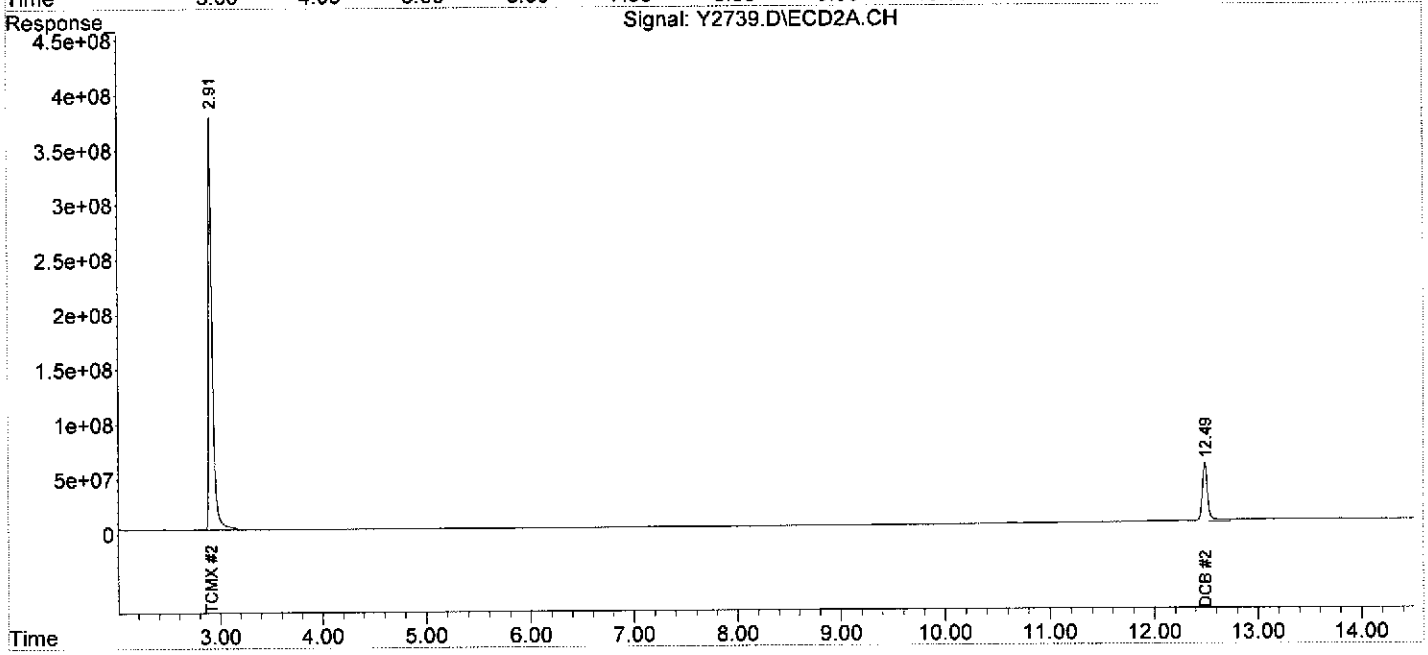
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2739.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 20 Oct 2012 3:04
Operator : YG
Sample : V-45_(3.0-,10376-020,S,5.08g,21.8,10/17/12,4
Misc : 121017-10,10/11/12,10/11/12,1
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 25 10:21:53 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 14:20:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2740.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 20 Oct 2012 3:21
Operator : YG
Sample : II-34_(4.0,10376-021,S,5.80g,20.9,10/17/12,4
Misc : 121017-10,10/11/12,10/11/12,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 25 10:22:11 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 14:20:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	31243.4E6	10090.6E6	302.409	316.197
Spiked Amount 200.000			Recovery	=	151.20%	158.10%
2) S DCB	12.11	12.49	5088.4E6	2195.2E6	236.056	296.403 #
Spiked Amount 200.000			Recovery	=	118.03%	148.20%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

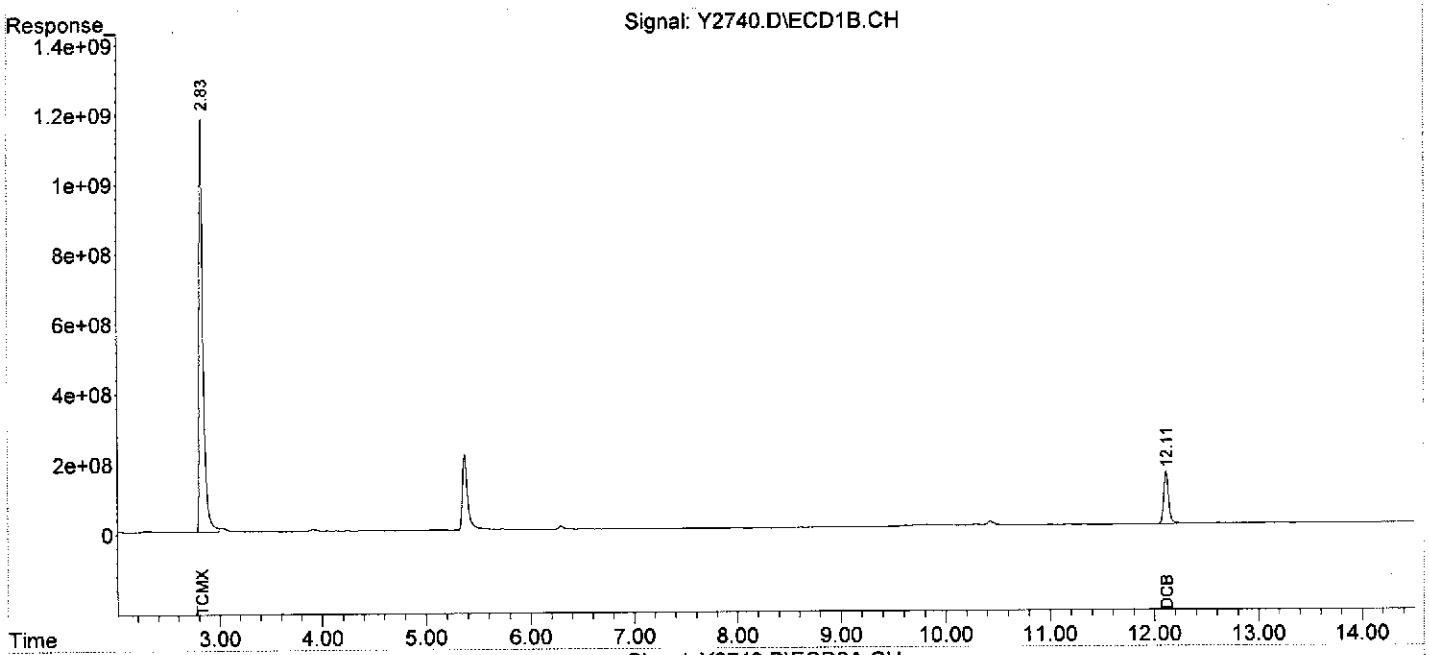
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

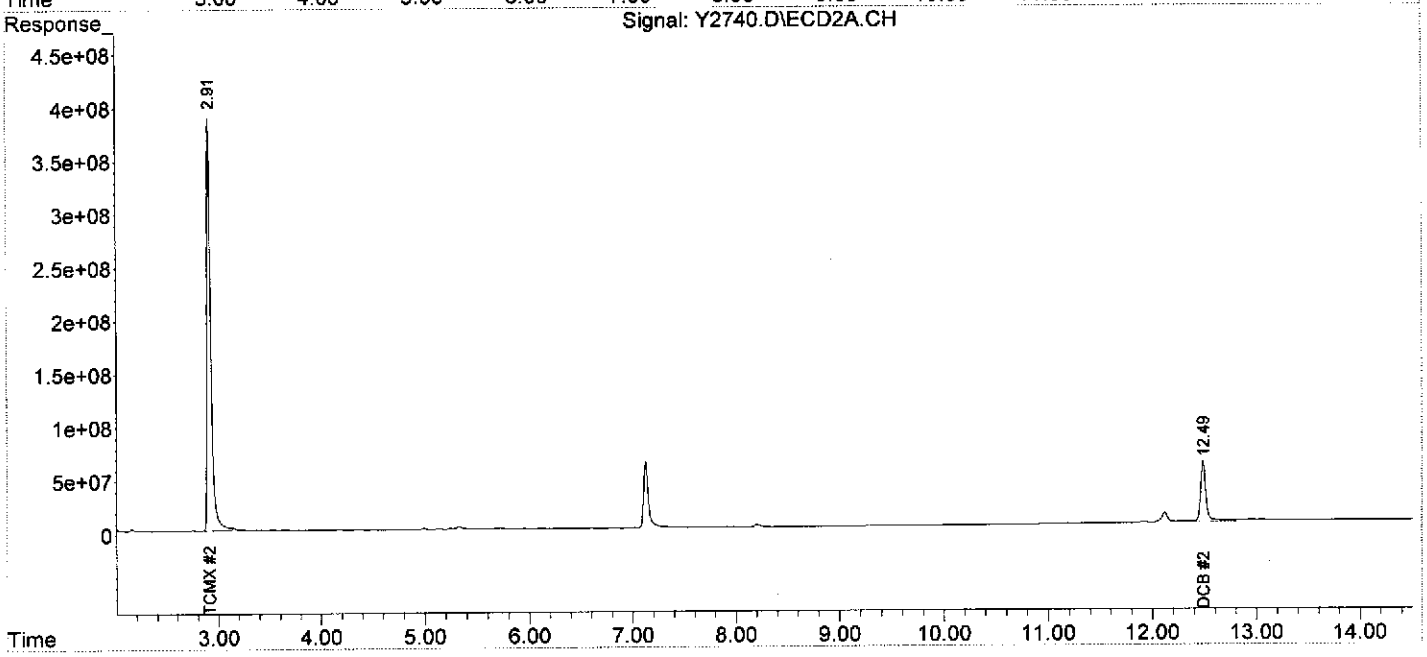
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2740.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 20 Oct 2012 3:21
Operator : YG
Sample : II-34_(4.0,10376-021,S,5.80g,20.9,10/17/12,4
Misc : 121017-10,10/11/12,10/11/12,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 25 10:22:11 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 14:20:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2741.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 20 Oct 2012 3:38
Operator : YG
Sample : II-34_(5.0,10376-022,S,5.40g,21.3,10/17/12,4
Misc : 121017-10,10/11/12,10/11/12,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 25 10:22:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 14:20:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	28993.9E6	9456.9E6	280.636	296.340
Spiked Amount 200.000			Recovery	=	140.32%	148.17%
2) S DCB	12.11	12.49	4890.4E6	2124.2E6	226.868	286.811 #
Spiked Amount 200.000			Recovery	=	113.43%	143.41%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	1488.0E6	465.2E6	376.577	360.626
24) L6 Aroclor-1248 {2}	5.06	5.72	615.2E6	762.9E6	285.499	398.292 #
25) L6 Aroclor-1248 {3}	0.00	6.12	0	321.2E6	N.D. d	236.655 #
26) L6 Aroclor-1248 {4}	6.08	6.26	727.3E6	266.5E6	140.926	214.762 #
27) L6 Aroclor-1248 {5}	6.35	6.61	746.9E6	155.5E6	216.111	229.807
Sum Aroclor-1248			3577.3E6	1971.3E6	1019.113	1440.143
Average Aroclor-1248					254.778	288.029
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

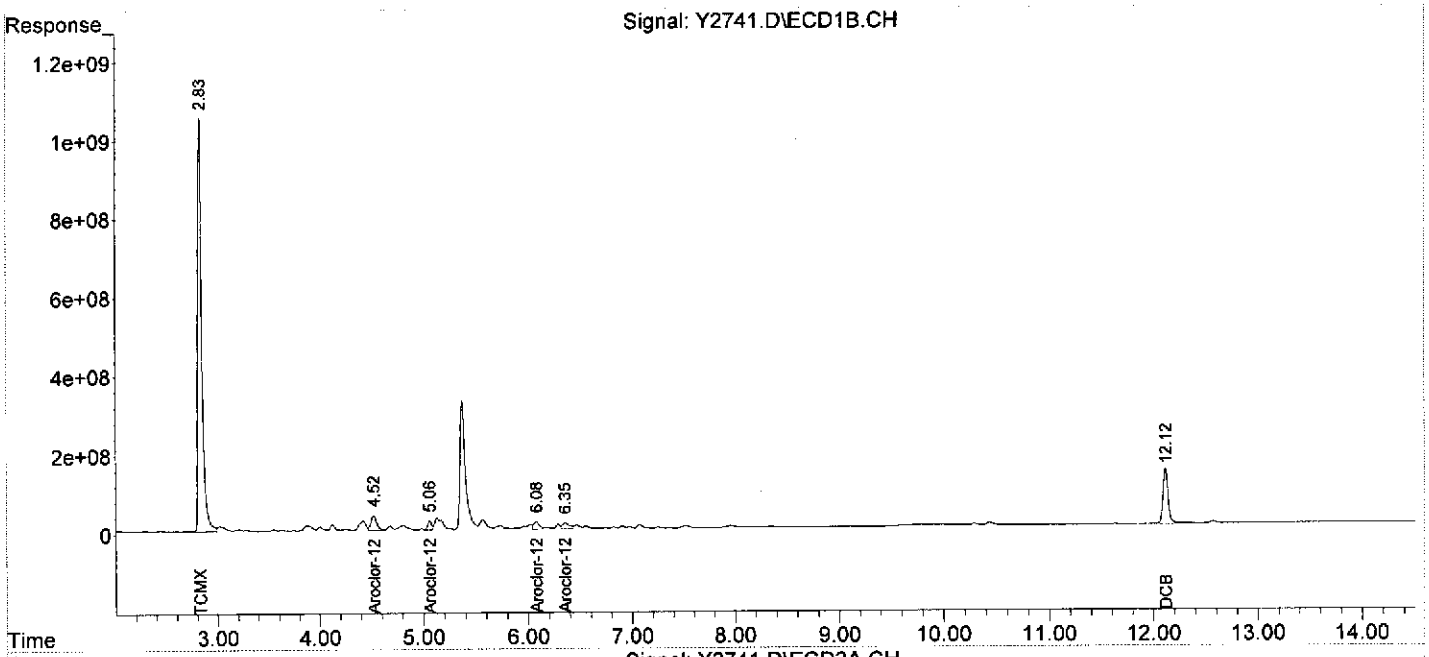
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

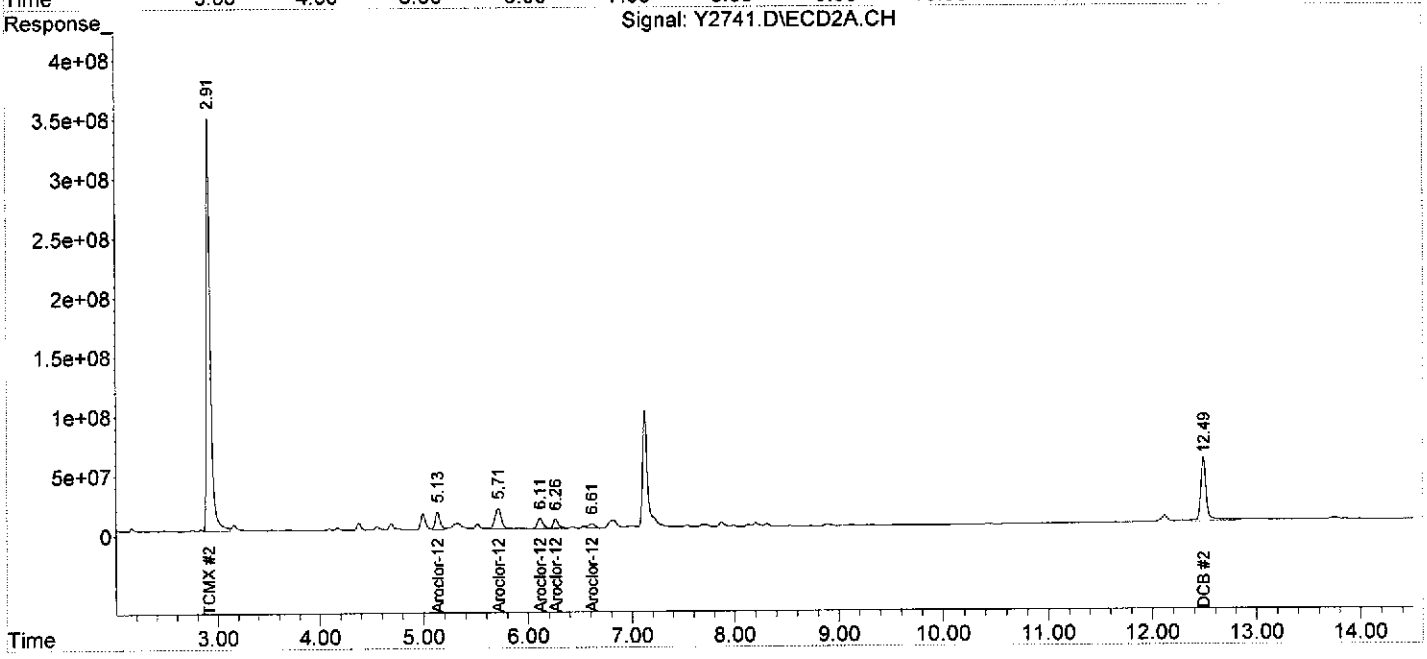
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2741.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 20 Oct 2012 3:38
Operator : YG
Sample : II-34_(5.0,10376-022,S,5.40g,21.3,10/17/12,4
Misc : 121017-10,10/11/12,10/11/12,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 25 10:22:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 14:20:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2742.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 20 Oct 2012 3:55
Operator : YG
Sample : II-34_(6.0,10376-023,S,5.51g,14.9,10/17/12,4
Misc : 121017-10,10/11/12,10/11/12,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 25 10:24:22 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 14:20:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	29296.1E6	9385.9E6	283.561	294.114
Spiked Amount 200.000			Recovery	=	141.78%	147.06%
2) S DCB	12.11	12.49	5051.1E6	1879.0E6	234.325	253.701
Spiked Amount 200.000			Recovery	=	117.16%	126.85%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	26423633	14518572	6.687m	11.255 #
24) L6 Aroclor-1248 {2}	5.06	5.71	9475071	22099461	4.397m	11.537 #
25) L6 Aroclor-1248 {3}	0.00	6.11	0	7408160	N.D. d	5.458 #
26) L6 Aroclor-1248 {4}	6.29	6.27	59396207	5314393	11.510m	4.283 #
27) L6 Aroclor-1248 {5}	0.00	6.60	0	8425294	N.D. d	12.454 #
Sum Aroclor-1248			95294911	57765880	22.594	44.987
Average Aroclor-1248					7.531	8.997
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

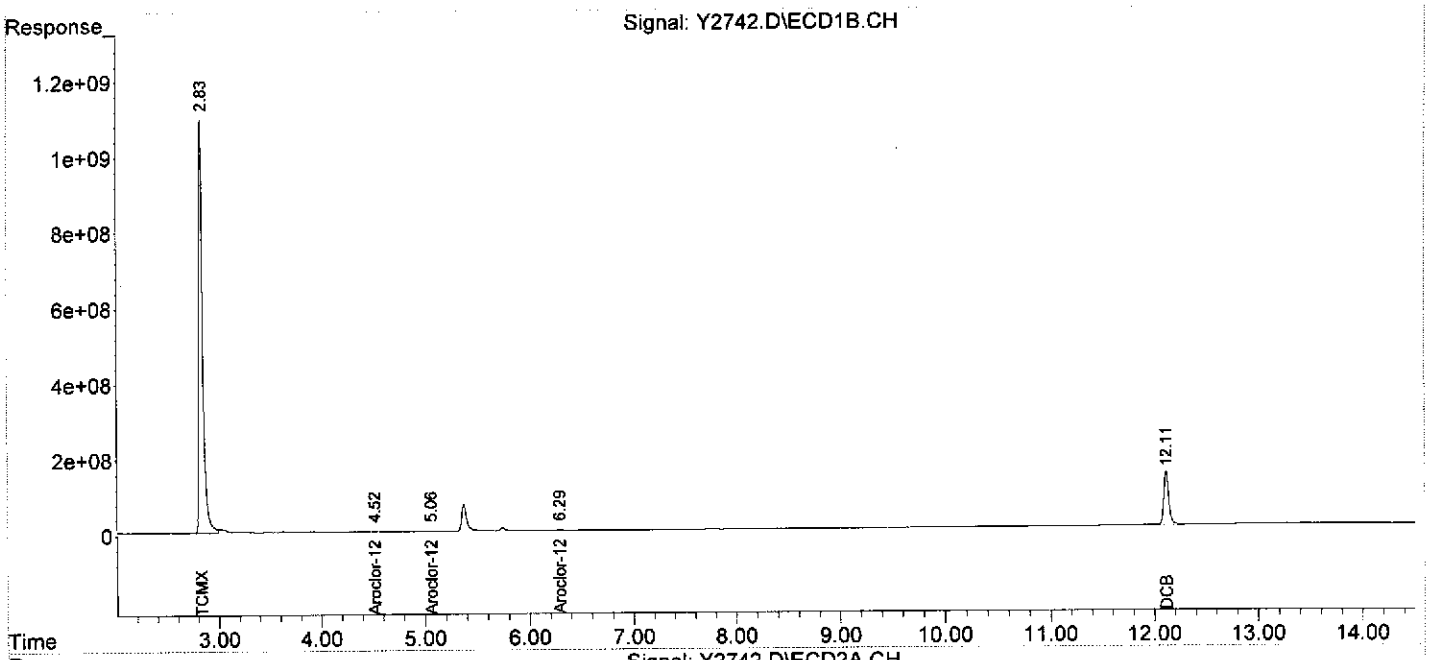
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

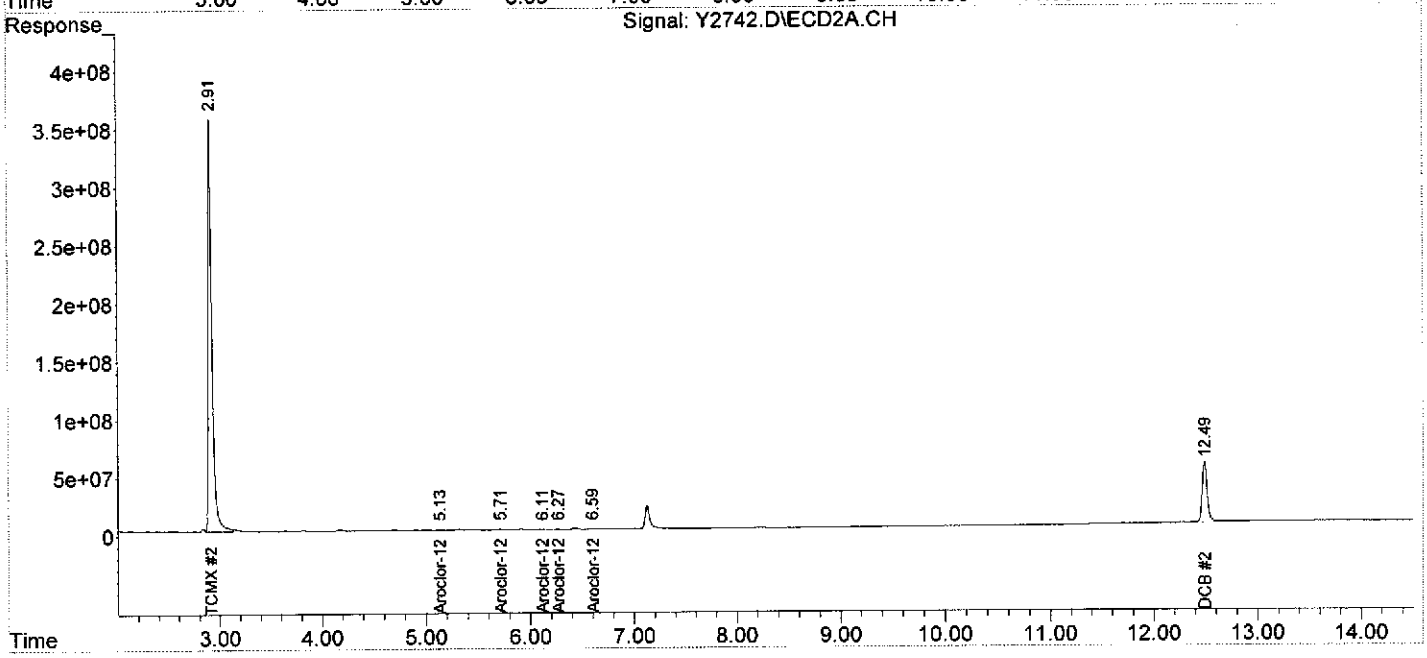
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2742.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 20 Oct 2012 3:55
Operator : YG
Sample : II-34_(6.0,10376-023,S,5.51g,14.9,10/17/12,4
Misc : 121017-10,10/11/12,10/11/12,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 25 10:24:22 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 14:20:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-22-12\
Data File : Y2784.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 22 Oct 2012 23:54
Operator : YG
Sample : FB-51,10376-025,A,1000ml,100,10/18/12,1
Misc : 121018-05,10/11/12,10/11/12,1
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 24 10:44:05 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 14:20:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	14023.5E6	4389.5E6	135.735	137.548
Spiked Amount 200.000			Recovery	=	67.87%	68.77%
2) S DCB	12.11	12.48	4313.5E6	1714.7E6	200.107	231.524
Spiked Amount 200.000			Recovery	=	100.05%	115.76%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

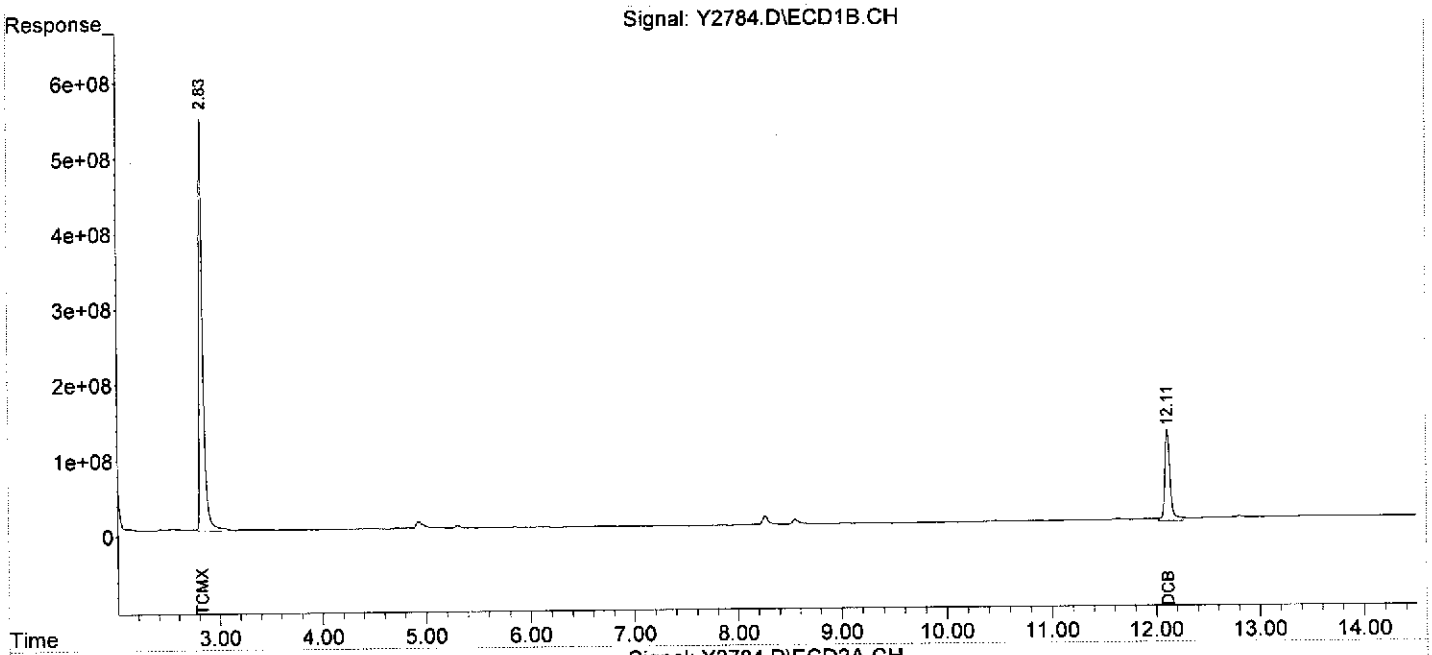
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

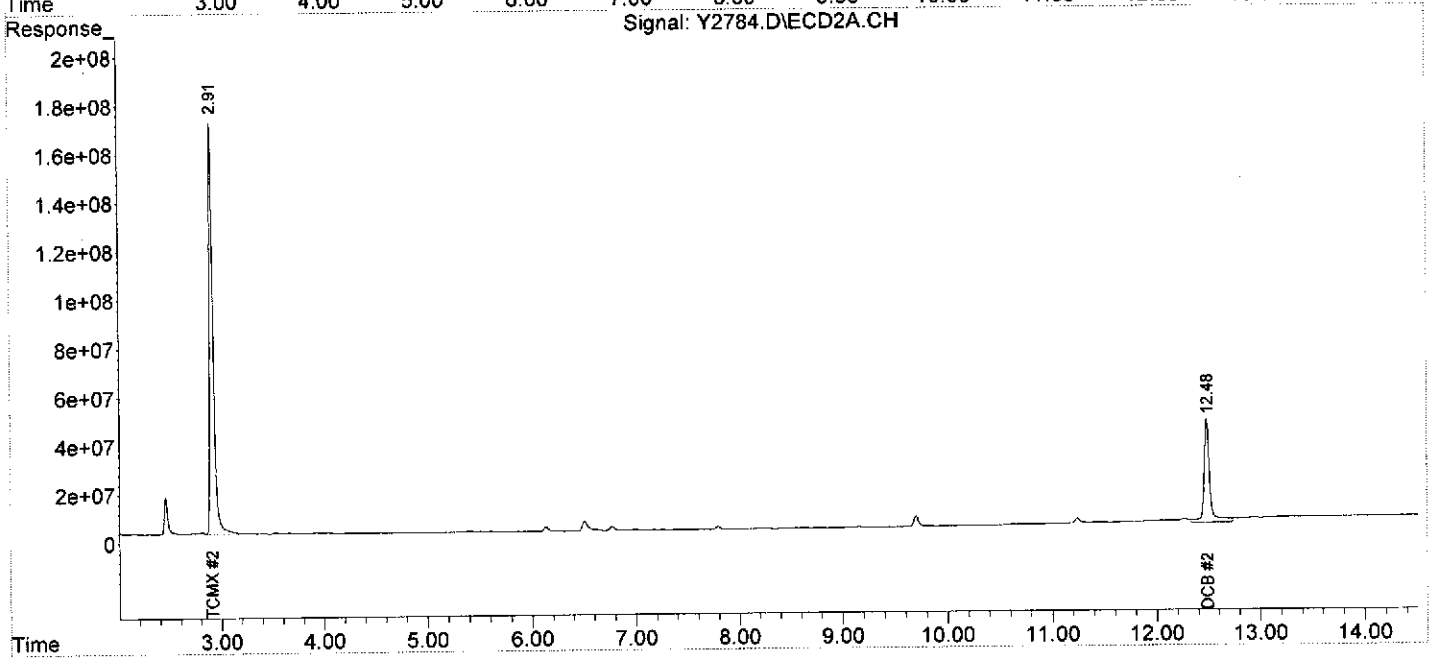
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-22-12\
Data File : Y2784.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 22 Oct 2012 23:54
Operator : YG
Sample : FB-51,10376-025,A,1000ml,100,10/18/12,1
Misc : 121018-05,10/11/12,10/11/12,1
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 24 10:44:05 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 14:20:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKS121017-10
Client ID: PCB
Date Received: NA
Date Extracted: 10/17/2012
Date Analyzed: 10/20/2012
Data file: Y2734.D

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

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2734.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 20 Oct 2012 1:38
Operator : YG
Sample : PCB,BLKS121017-10,S,5.00g,0,10/17/12,4
Misc : NA,NA,NA,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 25 10:18:17 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 14:20:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	29359.1E6	9457.3E6	284.171	296.354
Spiked Amount 200.000			Recovery	=	142.09%	148.18%
2) S DCB	12.11	12.49	4906.6E6	2036.7E6	227.619	274.997
Spiked Amount 200.000			Recovery	=	113.81%	137.50%
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
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

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

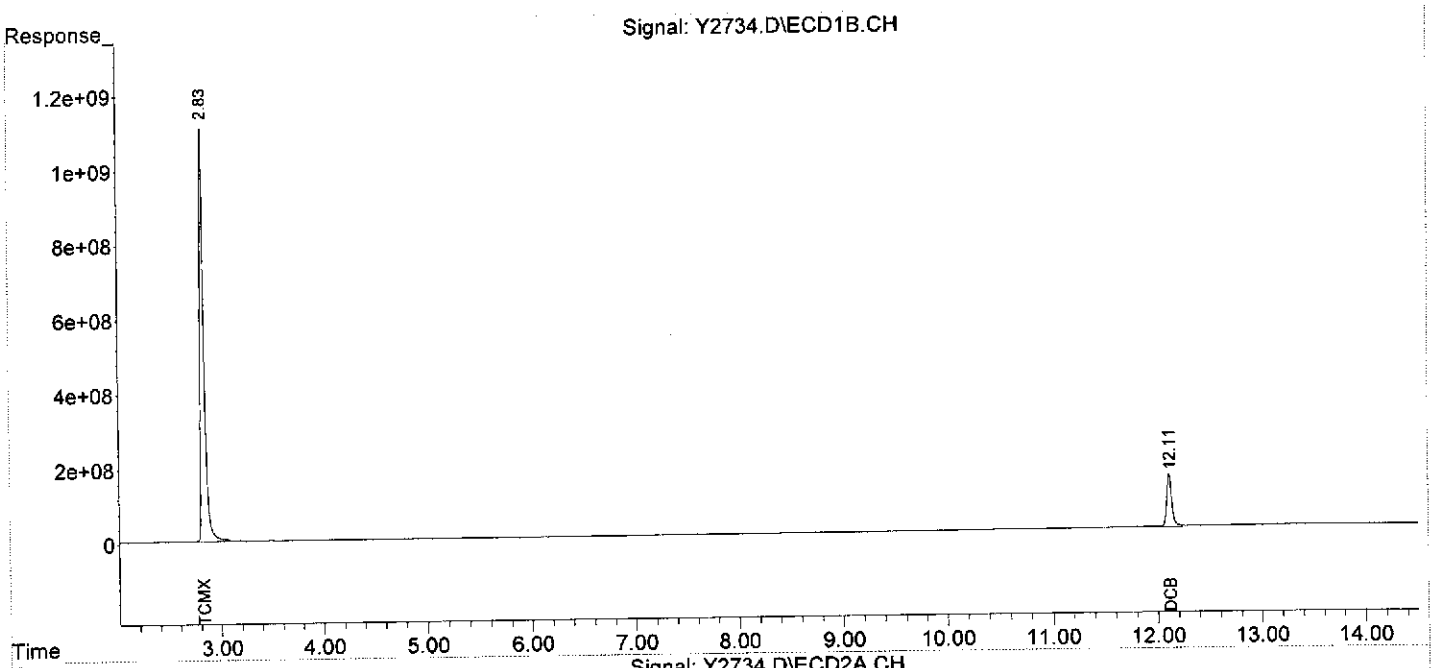
Quantitation Report (QT Reviewed)

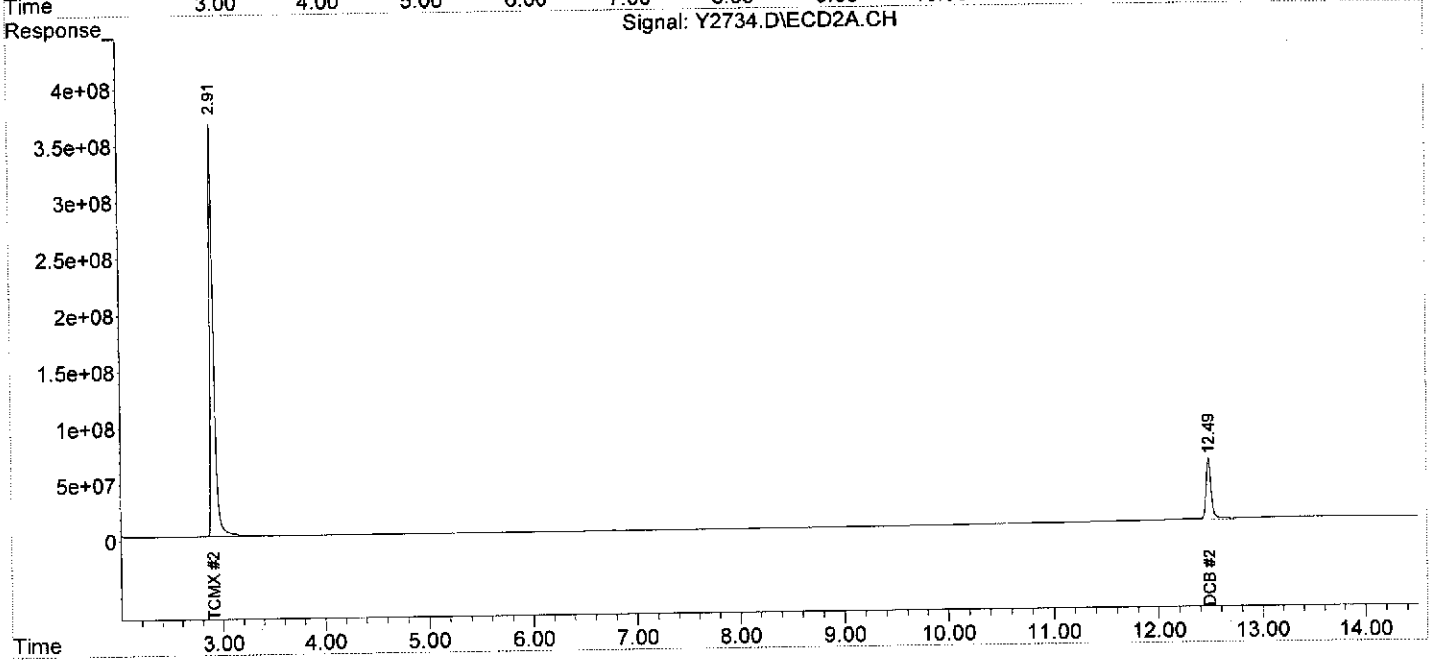
Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2734.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 20 Oct 2012 1:38
Operator : YG
Sample : PCB,BLKS121017-10,S,5.00g,0,10/17/12,4
Misc : NA,NA,NA,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 25 10:18:17 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 14:20:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Signal #2 Phase:
Signal #2 Info :





INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKA121018-05
Client ID: PCB
Date Received: NA
Date Extracted: 10/18/2012
Date Analyzed: 10/22/2012
Data file: Y2783.D

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

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-22-12\
Data File : Y2783.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 22 Oct 2012 23:37
Operator : YG
Sample : PCB,BLKA121018-05,A,1000ml,100,10/18/12,1
Misc : NA,NA,NA,1
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 24 10:43:48 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 14:20:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.82	2.92	15246.8E6	4649.1E6	147.576	145.682
Spiked Amount 200.000			Recovery	=	73.79%	72.84%
2) S DCB	12.12	12.50	3455.5E6	1202.3E6	160.301	162.341
Spiked Amount 200.000			Recovery	=	80.15%	81.17%
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
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

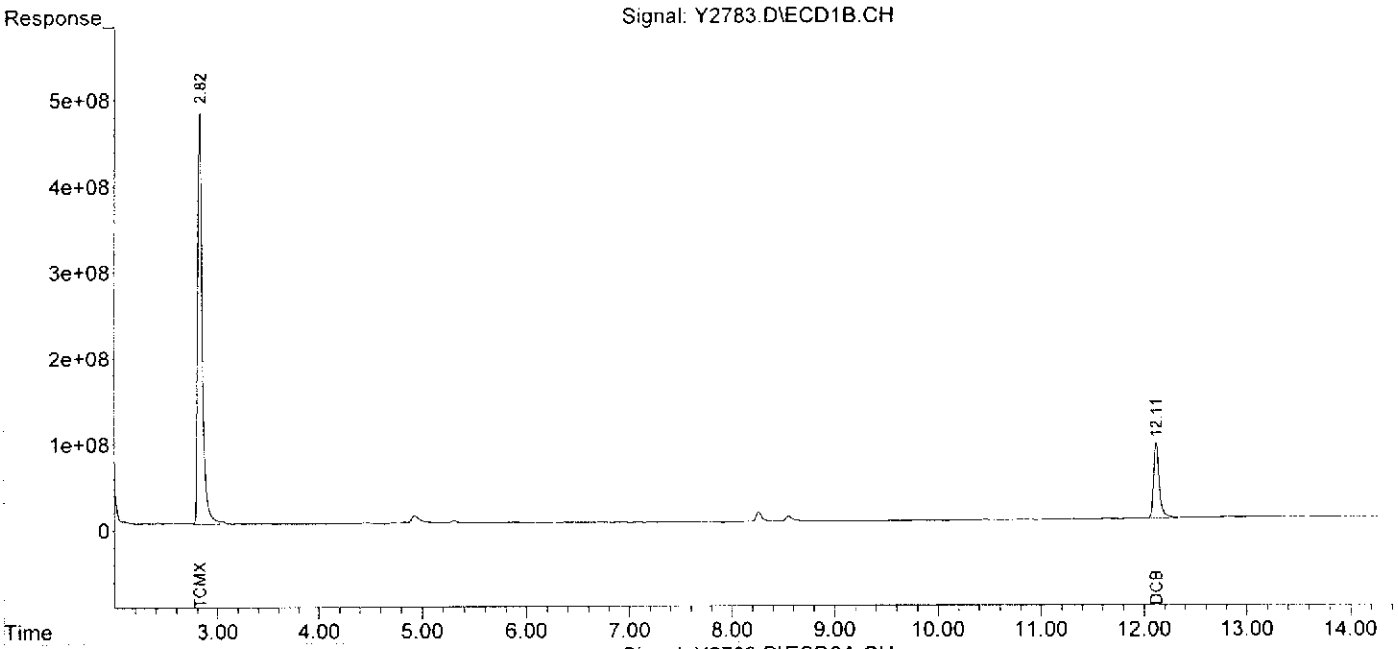
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

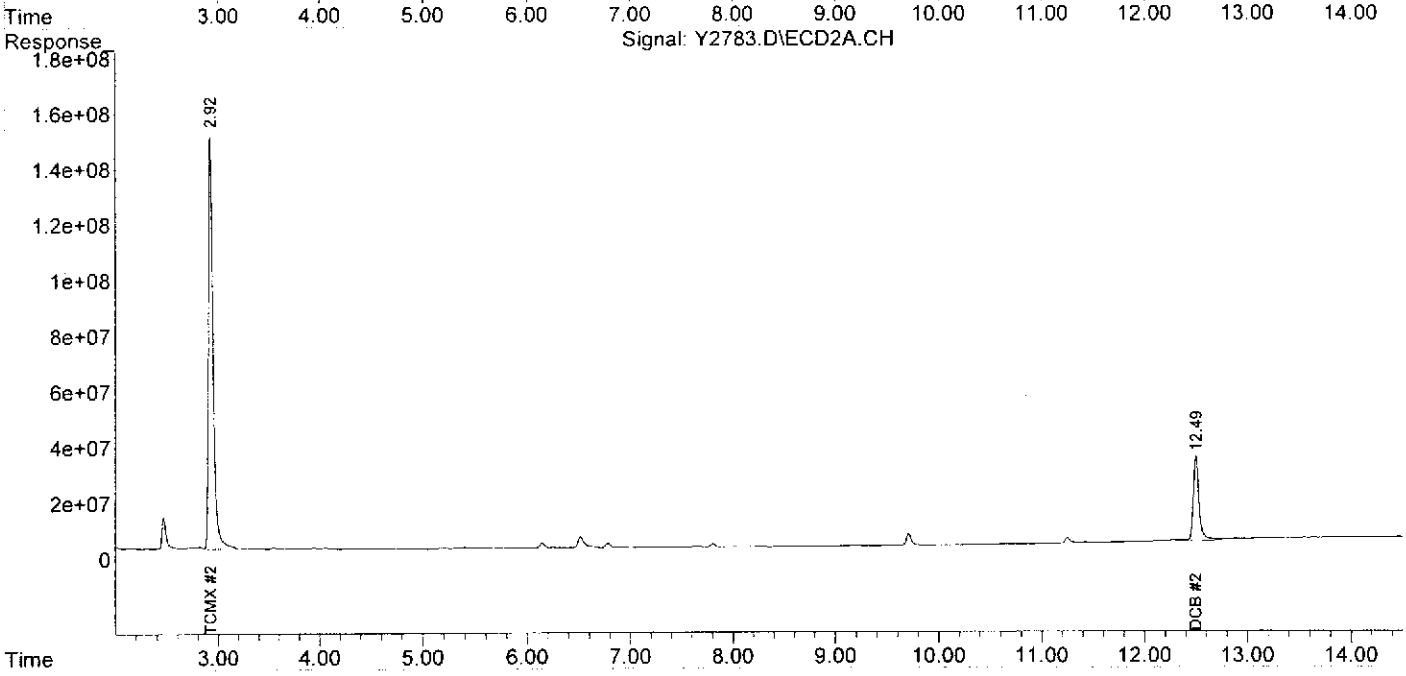
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-22-12\
Data File : Y2783.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 22 Oct 2012 23:37
Operator : YG
Sample : PCB,BLKA121018-05,A,1000ml,100,10/18/12,1
Misc : NA,NA,NA,1
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 24 10:43:48 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 14:20:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKS121017-07
Client ID: PCB
Date Received: NA
Date Extracted: 10/17/2012
Date Analyzed: 10/19/2012
Data file: Y2708.D

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

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2708.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 18:11
Operator : YG
Sample : PCB,BLKS121017-07,S,5.00g,0,10/17/12,4
Misc : NA,NA,NA,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 24 12:37:05 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 14:20:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.83	2.91	29545.9E6	9224.2E6	285.979	289.049
Spiked Amount 200.000			Recovery	=	142.99%	144.52%
2) S DCB	12.11	12.49	4985.5E6	1839.9E6	231.280	248.426
Spiked Amount 200.000			Recovery	=	115.64%	124.21%
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

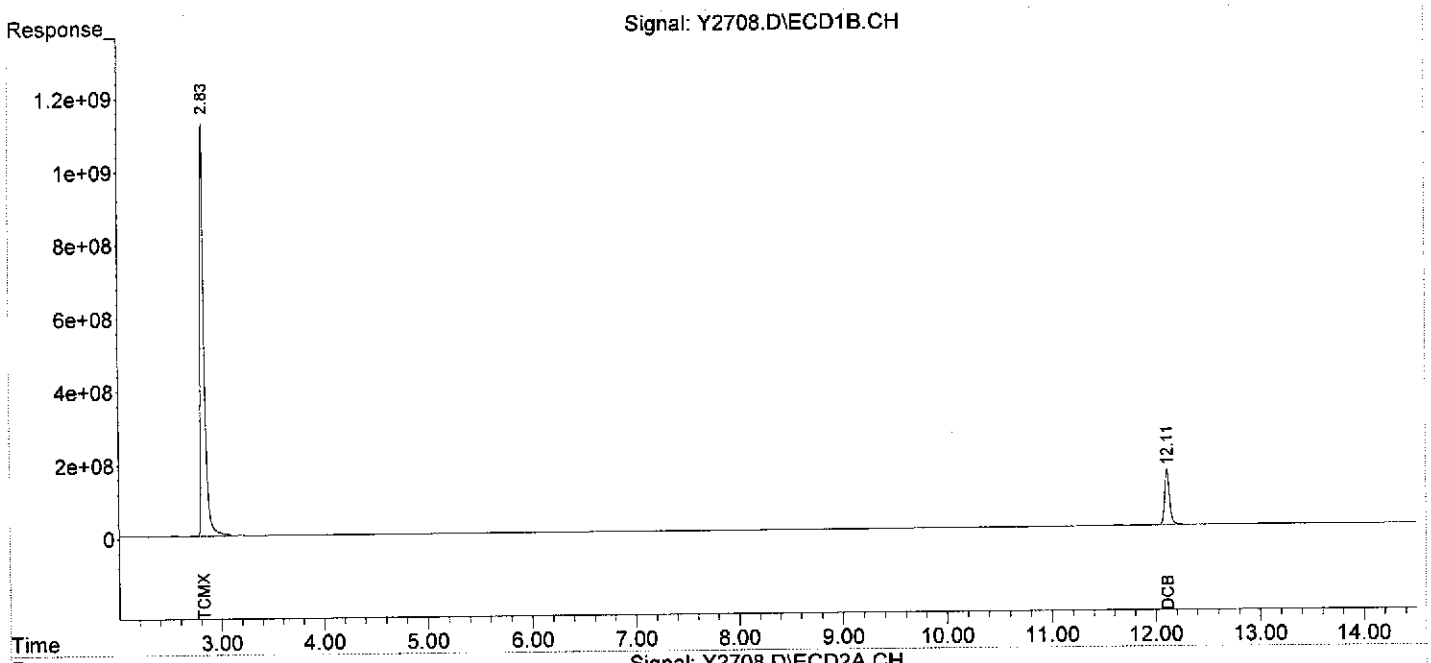
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

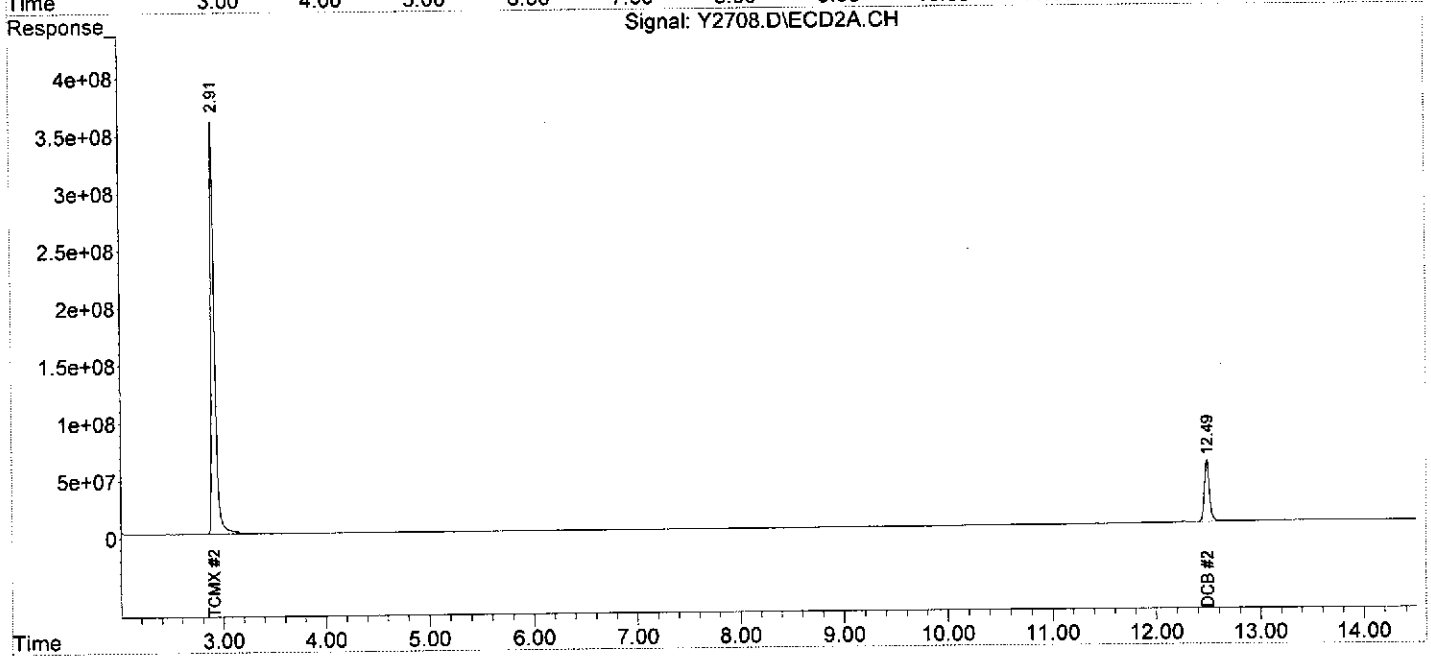
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-19-12\
Data File : Y2708.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 19 Oct 2012 18:11
Operator : YG
Sample : PCB,BLKS121017-07,S,5.00g,0,10/17/12,4
Misc : NA,NA,NA,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 24 12:37:05 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Wed Oct 17 14:20:37 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-28-12\09-28-12\
Data File : Y2067.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Sep 2012 15:43
Operator : YG
Sample : 8082_1248_IAS_4424,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 28 17:13:21 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Fri Sep 28 17:12:55 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.82	2.90	24446.6E6	7248.1E6	236.622	227.125
Spiked Amount 200.000			Recovery	=	118.31%	113.56%
2) S DCB	12.10	12.48	4976.3E6	2053.6E6	230.854	277.284
Spiked Amount 200.000			Recovery	=	115.43%	138.64%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.12	1975.7E6	645.0E6	500.000	500.000
24) L6 Aroclor-1248 {2}	5.05	5.70	1077.3E6	957.8E6	500.000	500.000
25) L6 Aroclor-1248 {3}	5.37	6.10	1449.9E6	678.7E6	500.000	500.000
26) L6 Aroclor-1248 {4}	6.06	6.26	2580.3E6	620.4E6	500.000	500.000
27) L6 Aroclor-1248 {5}	6.34	6.61	1728.1E6	338.3E6	500.000	500.000
Sum Aroclor-1248			8811.3E6	3240.1E6	2500.000	2500.000
Average Aroclor-1248					500.000	500.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

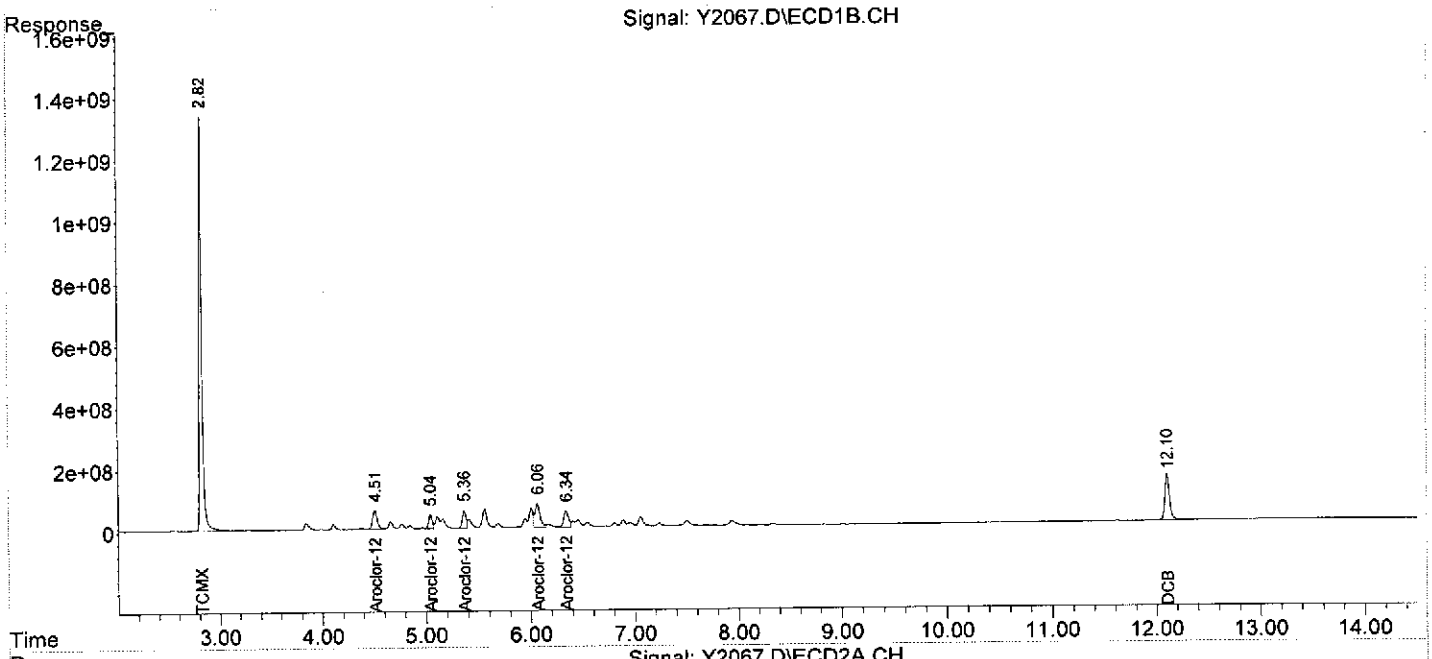
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

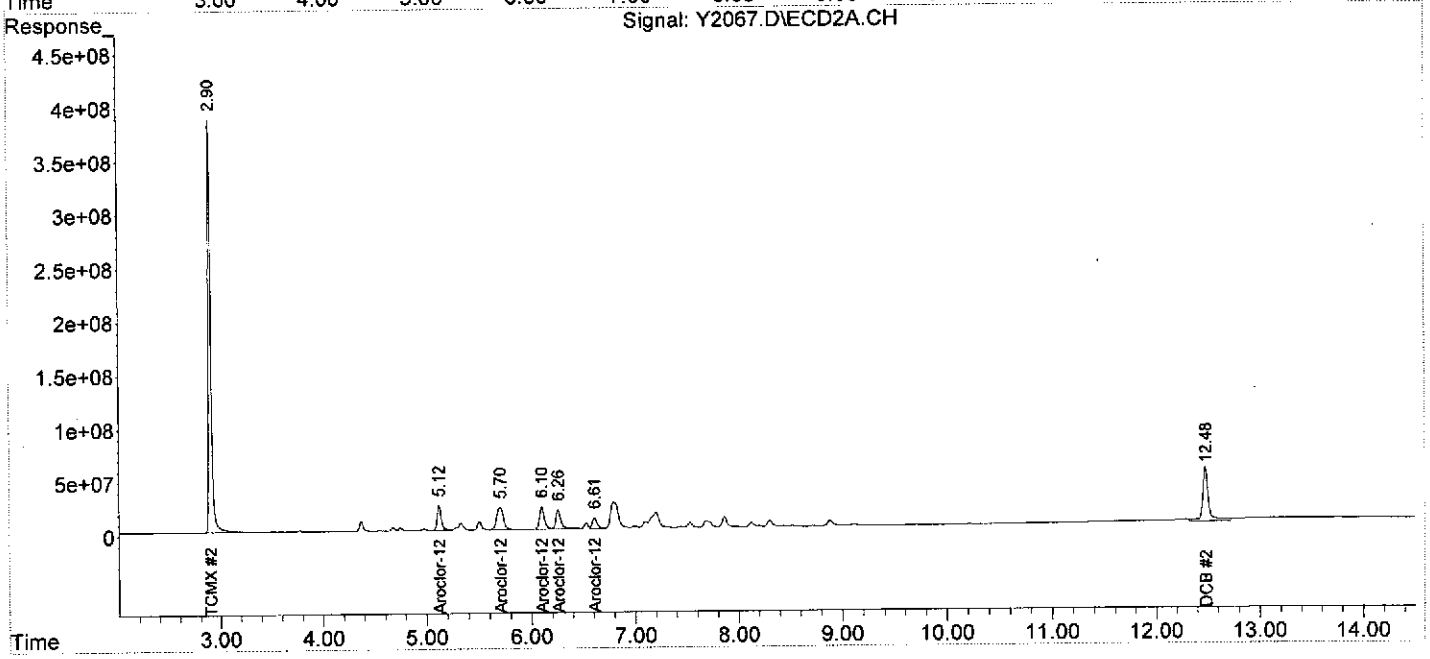
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-28-12\09-28-12\
Data File : Y2067.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Sep 2012 15:43
Operator : YG
Sample : 8082_1248_IAS_4424,0.5_PPM
Misc : NA,NA,NA,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Sep 28 17:13:21 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Fri Sep 28 17:12:55 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





SAMPLE TRACKING

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

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

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

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

PHC - MUST CHOOSE

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

Verbal/Fax: Std 3 wk unless otherwise specified
24 hr** 48 hr** 72 hr** 96 hr** 1 wk**
Other** (specify):

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

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

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

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

Cooler Temp ___ 4 °C

SAMPLE INFORMATION

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

ANALYTICAL PARAMETERS: TCL PCB (8082)

BOTTLES & PRESERVATIVES: HCL, HNO3, MeOH, H2SO4, NAOH/ZNAc, Sterile

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)
X-45 (0-1.0)		10/11/12	9:14	S	1	1	X
X-45 (1.0-2.0)			9:15	S	1	2	X
X-45 (2.0-3.0)			9:16	S	1	3	X
X-45 (3.0-4.0)			9:17	S	1	4	X
X-44 (0-1.0)			10:08	S	1	5	X
X-44 (1.0-2.0)			10:09	S	1	6	X
X-44 (2.0-3.0)			10:10	S	1	7	X
X-44 (3.0-4.0)			10:11	S	1	8	X

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

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

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

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

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:	10/11/12	1535	Received by:	10/11/12	1535
Relinquished by:	10/11/12	1705	Received by:	10/11/12	1705
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 10376

PAGE: 1 of 4

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

H2-10376

01141

C:\Documents and Settings\ahallgreen\Desktop\PCB IAL.DOC

10/2010 rev

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

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

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

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

PHC - MUST CHOOSE

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

NJ EPH - C40 (5 day TAT)

DRO-8015 (3-5 day TAT) QAM825 (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
W-45 (0-1.0)		10/11/12	10:53	S	1	9	X						
W-45 (1.0-2.0)			10:54	S	1	10	X						
W-45 (2.0-3.0)			10:55	S	1	11	X						
W-45 (3.0-4.0)			10:56	S	1	12	X						
W-44 (0-1.0)			11:35	S	1	13	X						
W-44 (1.0-2.0)			11:36	S	1	14	X						
W-44 (2.0-3.0)			11:37	S	1	15	X						
W-44 (3.0-4.0)			11:38	S	1	16	X						

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

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

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

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

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:	10/11/12	1535	Received by:	10/11/12	1535
Relinquished by:	10/11/12	1705	Received by:	10/11/12	1705
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

Comments:

Lab Case # 10376

PAGE: 2 of 4

0142

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

10/2010 rev

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

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

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

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

PHC - MUST CHOOSE

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

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

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

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

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

Cooler Temp ___ of 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)	TCL PCB Extract and Hold	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
V-45 (0-1.0)		10/11/12	12:14	S	1	17	X							
V-45 (1.0-2.0)			12:15	S	1	18	X							
V-45 (2.0-3.0)			12:16	S	1	19	X							
V-45 (3.0-4.0)			12:17	S	1	20	X							
II-34 (4.0-5.0)			2:15	S	1	21	X							
II-34 (5.0-6.0)			2:16	S	1	22	X							
II-34 (6.0-7.0)			2:17	S	1	23	X							
II-34 (7.0-8.0)			2:18	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:	10/11/12	1535	Received by:	10/11/12	1535
Relinquished by:	10/11/12	1705	Received by:	10/11/12	1705
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments: * Sample II-34 (7.0-8.0) EXTRACT And HOLD. *

Lab Case # 10326

PAGE: 3 of 4

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

H-2-10326

01143

C:\Documents and Settings\ahallgreen\Desktop\PCB IAL.COC

10/2010 rev

IAL
273 Franklin Rd
Randolph, NJ 07869
fax: 973 989-5288
Web: www.ialonline.com

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

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

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

PHC - MUST CHOOSE

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

NJ EPH - C40 (5 day TAT)

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

Verbal/Fax: Std 2 wk unless otherwise specified

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

Other** (specify):

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

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

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

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

Cooler Temp <4 °C

SAMPLE INFORMATION

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

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
FB-51		10/11/12	2:55	AQ	2	25	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:	10/11/12	1535	Received by:	10/11/12	1535
Relinquished by:	10/11/12	1705	Received by:	10/11/12	1705
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 10326

PAGE: 4 of 4

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

H-12-10326

0144

PROJECT INFORMATION

E12-10376

Case No. E12-10376 **Project** ARSYNCO

Customer	**JMC Environmental Consultants**	**P.O. #**	
Contact	Jim Clabby	**Received**	10/11/2012 17:05
EMail	jclabby@jmcenvironmental.com; ahallgreen@jmcenvironmental.co tadams@jmcenvironmenta... ☑ EMail EDDs	**Verbal Due**	10/26/2012
Phone	(732) 295-7144 **Fax** (732) 295-2150	**Report Due**	11/2/2012
Report To		**Bill To**	
2109 Bridge Avenue		Aceto Corp.	
Building B		4 Tri Harbor Court	
Point Pleasant, NJ 08742		Port Washington, NY 11050	
Attn: Jim Clabby		Attn: Mr. Ed Kelly	

Report Format **Reduced**

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
10376-001	X-45 (0-1.0)	0 / 1	10/11/2012@09:14	Soil	mg/Kg	1
10376-002	X-45 (1.0-2.0)	1 / 2	10/11/2012@09:15	Soil	mg/Kg	1
10376-003	X-45 (2.0-3.0)	2 / 3	10/11/2012@09:16	Soil	mg/Kg	1
10376-004	X-45 (3.0-4.0)	3 / 4	10/11/2012@09:17	Soil	mg/Kg	1
10376-005	X-44 (0-1.0)	0 / 1	10/11/2012@10:08	Soil	mg/Kg	1
10376-006	X-44 (1.0-2.0)	1 / 2	10/11/2012@10:09	Soil	mg/Kg	1
10376-007	X-44 (2.0-3.0)	2 / 3	10/11/2012@10:10	Soil	mg/Kg	1
10376-008	X-44 (3.0-4.0)	3 / 4	10/11/2012@10:11	Soil	mg/Kg	1
10376-009	W-45 (0-1.0)	0 / 1	10/11/2012@10:53	Soil	mg/Kg	1
10376-010	W-45 (1.0-2.0)	1 / 2	10/11/2012@10:54	Soil	mg/Kg	1
10376-011	W-45 (2.0-3.0)	2 / 3	10/11/2012@10:55	Soil	mg/Kg	1
10376-012	W-45 (3.0-4.0)	3 / 4	10/11/2012@10:56	Soil	mg/Kg	1
10376-013	W-44 (0-1.0)	0 / 1	10/11/2012@11:35	Soil	mg/Kg	1
10376-014	W-44 (1.0-2.0)	1 / 2	10/11/2012@11:36	Soil	mg/Kg	1
10376-015	W-44 (2.0-3.0)	2 / 3	10/11/2012@11:37	Soil	mg/Kg	1
10376-016	W-44 (3.0-4.0)	3 / 4	10/11/2012@11:38	Soil	mg/Kg	1
10376-017	V-45 (0-1.0)	0 / 1	10/11/2012@12:14	Soil	mg/Kg	1
10376-018	V-45 (1.0-2.0)	1 / 2	10/11/2012@12:15	Soil	mg/Kg	1
10376-019	V-45 (2.0-3.0)	2 / 3	10/11/2012@12:16	Soil	mg/Kg	1
10376-020	V-45 (3.0-4.0)	3 / 4	10/11/2012@12:17	Soil	mg/Kg	1
10376-021	II-34 (4.0-5.0)	4 / 5	10/11/2012@14:15	Soil	mg/Kg	1
10376-022	II-34 (5.0-6.0)	5 / 6	10/11/2012@14:16	Soil	mg/Kg	1
10376-023	II-34 (6.0-7.0)	6 / 7	10/11/2012@14:17	Soil	mg/Kg	1
10376-024	II-34 (7.0-8.0)	7 / 8	10/11/2012@14:18	Soil	mg/Kg	1
10376-025	FB-51	n/a	10/11/2012@14:55	Aqueous	mg/L	2

Sample #	Tests	Status	QA Method
001	TCL PCB	Complete	8082
002	TCL PCB	Complete	8082

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

November 07, 2012

PROJECT INFORMATION

E12-10376

Case No. E12-10376 **Project** ARSYNCO

Sample #	Tests	Status	QA Method
003	TCL PCB	Complete	8082
004	TCL PCB	Complete	8082
005	TCL PCB	Complete	8082
006	TCL PCB	Complete	8082
007	TCL PCB	Complete	8082
008	TCL PCB	Complete	8082
009	TCL PCB	Complete	8082
010	TCL PCB	Complete	8082
011	TCL PCB	Complete	8082
012	TCL PCB	Complete	8082
013	TCL PCB	Complete	8082
014	TCL PCB	Complete	8082
015	TCL PCB	Complete	8082
016	TCL PCB	Complete	8082
017	TCL PCB	Complete	8082
018	TCL PCB	Complete	8082
019	TCL PCB	Complete	8082
020	TCL PCB	Complete	8082
021	TCL PCB	Complete	8082
022	TCL PCB	Complete	8082
023	TCL PCB	Complete	8082
024	Extract_Hold(PCB)	Complete	8082
"	TCL PCB	Cancel	8082
025	TCL PCB	Complete	8082

11/07/2012 13:12 by Brian - REV 1

REV 01

AS PER JAMES CLABBY, CANCEL SAMPLE 024.

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** **10376** CLIENT: JMC

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

Comments

COC: (COMPLETE) / INCOMPLETE

KEY

✓	**= YES/NA**
✗	**= NO**

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

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

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

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [signature] DATE 10/11/12

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

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

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

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL [signature] DATE 10/12/12

REV 03/2009

Laboratory Custody Chronicle

IAL Case No.

E12-10376

Client JMC Environmental Consultants

Project ARSYNCO

Received On 10/11/2012@17:05

Department: GC			***Prep. Date***	***Analyst***	***Analysis Date***	***Analyst***
TCL PCB	10376-001	Soil	10/17/12	Archimede	10/19/12	Julia
"	-002	"	10/25/12	Archimede	10/19/12	Julia
"	-003	"	10/17/12	Archimede	10/19/12	Julia
"	-004	"	10/17/12	Archimede	10/19/12	Julia
"	-005	"	10/17/12	Archimede	10/24/12	Julia
"	-006	"	10/25/12	Archimede	10/19/12	Julia
"	-007	"	10/17/12	Archimede	10/19/12	Julia
"	-008	"	10/17/12	Archimede	10/19/12	Julia
"	-009	"	10/17/12	Archimede	10/19/12	Julia
"	-010	"	10/17/12	Archimede	10/19/12	Julia
"	-011	"	10/17/12	Archimede	10/19/12	Julia
"	-012	"	10/17/12	Archimede	10/19/12	Julia
"	-013	"	10/17/12	Archimede	10/24/12	Julia
"	-014	"	10/25/12	Archimede	10/19/12	Julia
"	-015	"	10/17/12	Archimede	10/19/12	Julia
"	-016	"	10/17/12	Archimede	10/19/12	Julia
"	-017	"	10/17/12	Archimede	10/24/12	Julia
"	-018	"	10/17/12	Archimede	10/20/12	Julia
"	-019	"	10/17/12	Archimede	10/20/12	Julia
"	-020	"	10/17/12	Archimede	10/20/12	Julia
"	-021	"	10/17/12	Archimede	10/20/12	Julia
"	-022	"	10/17/12	Archimede	10/20/12	Julia
"	-023	"	10/17/12	Archimede	10/20/12	Julia
"	-024	"	10/17/12	Archimede	10/20/12	Julia
"	-025	Aqueous	10/18/12	Archimede	10/23/12	Julia

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