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: **E13-09481**

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. The results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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IAL is a NELAC New Jersey Certified Lab (14751) and maintains certificatio 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.

E13-09481

Client JMC Environmental Consultants

Project ARSYNCO

Received On 9/26/2013@17:05

Lab ID	Client Sample ID	Depth Top/Bottom	Sampling Time	Matrix	# of Container
09481-001	Q-49 (0-1.0)	0/1	9/26/2013@09:07	Soil	1
09481-002	Q-49 (1.0-2.0)	1/2	9/26/2013@09:08	Soil	1
09481-003	Q-50 (0-1.0)	0/1	9/26/2013@09:28	Soil	1
09481-004	Q-50 (1.0-2.0)	1/2	9/26/2013@09:29	Soil	1
09481-005	P-49 (0-1.0)	0/1	9/26/2013@09:45	Soil	1
09481-006	P-49 (1.0-2.0)	1/2	9/26/2013@09:46	Soil	1
09481-007	P-50 (0-1.0)	0/1	9/26/2013@10:30	Soil	1
09481-008	P-50 (1.0-2.0)	1/2	9/26/2013@10:31	Soil	1
09481-009	O-48 (0-1.0)	0/1	9/26/2013@11:07	Soil	1
09481-010	O-48 (1.0-2.0)	1/2	9/26/2013@11:08	Soil	1
09481-011	O-48 (2.0-3.0)	2/3	9/26/2013@11:09	Soil	1
09481-012	O-48 (3.0-4.0)	3/4	9/26/2013@11:10	Soil	1
09481-013	S-50 (0-1.0)	0/1	9/26/2013@11:55	Soil	1
09481-014	S-50 (1.0-2.0)	1/2	9/26/2013@11:56	Soil	1
09481-015	R-50 (0-1.0)	0/1	9/26/2013@12:15	Soil	1
09481-016	R-50 (1.0-2.0)	1/2	9/26/2013@12:16	Soil	1
09481-017	U-45 (4.0-5.0)	4/5	9/26/2013@13:15	Soil	1
09481-018	FB-12	n/a	9/26/2013@14:00	Aqueous	2

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INTEGRATED ANALYTICAL LABORATORIES, LLC.

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This report was finalized on October 15, 2013

* 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 seventeen (17) soil sample(s) from JMC Environmental Consultants (IAL SDG # E13-09481, Project: ARSYNCO) on September 26, 2013 for the analysis of:

(18) 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

10/14/13
Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-09481

PCB By 8082A

Batch ID: 130930-19	**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.
- The following samples were cleaned up using method 3660B to remove sulfur: 018
- The following samples were cleaned up using method 3665A: 018

E13-09481

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- No dilution performed for sample 018.

10/2/2013

Signature Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-09481

PCB By 8082A

Batch ID: 131001-07	**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 samples: 09481 -003, -005. Per SW-846 8000C, the lower of the two concentrations was reported.
- The following samples were cleaned up using method 3660B to remove sulfur: 001, 002, 003, 004, 005, 006, 007

E13-09481

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- No dilution was performed for samples 09481 -001 through -007.

Nicole Cooper 10/3/2013

Signature Date

E13-09481 0005

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-09481

PCB By 8082A

Batch ID: 131001-08	**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 following samples were cleaned up using method 3660B to remove sulfur: 008, 009, 010, 011, 012, 013, 014, 015, 016, 017

E13-09481

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- No dilution was performed for samples 09481 -008 through -017.

10/4/2013

Signature Date

RESULTS SUMMARY REPORT

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-09481

Lab ID:	**09481-018**		
Client ID:	**FB-12**		
Matrix:	**Aqueous**		
Sampled Date	**9/26/13**		
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:	**09481-001**			**09481-002**			**09481-003**			**09481-004**	
Client ID:	**Q-49 (0-1.0)**			**Q-49 (1.0-2.0)**			**Q-50 (0-1.0)**			**Q-50 (1.0-2.0)**	
Depth:	**0/1**			**1/2**			**0/1**			**1/2**	
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**	
Sampled Date	**9/26/13**			**9/26/13**			**9/26/13**			**9/26/13**	
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		0.091	ND		0.019	ND		0.022	ND		0.040
Aroclor-1221	ND		0.091	ND		0.019	ND		0.022	ND		0.040
Aroclor-1232	ND		0.091	ND		0.019	ND		0.022	ND		0.040
Aroclor-1242	ND		0.091	ND		0.019	ND		0.022	ND		0.040
Aroclor-1248	ND		0.091	ND		0.019	ND		0.022	ND		0.040
Aroclor-1254	ND		0.091	ND		0.019	0.123		0.022	ND		0.040
Aroclor-1260	ND		0.091	ND		0.019	ND		0.022	ND		0.040
Aroclor-1262	ND		0.091	ND		0.019	ND		0.022	ND		0.040
Aroclor-1268	ND		0.091	ND		0.019	ND		0.022	ND		0.040
PCBs	ND		0.091	ND		0.019	0.123		0.022	ND		0.040

Lab ID:	**09481-005**			**09481-006**			**09481-007**			**09481-008**	
Client ID:	**P-49 (0-1.0)**			**P-49 (1.0-2.0)**			**P-50 (0-1.0)**			**P-50 (1.0-2.0)**	
Depth:	**0/1**			**1/2**			**0/1**			**1/2**	
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**	
Sampled Date	**9/26/13**			**9/26/13**			**9/26/13**			**9/26/13**	
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		0.022	ND		0.048	ND		0.015	ND		0.017
Aroclor-1221	ND		0.022	ND		0.048	ND		0.015	ND		0.017
Aroclor-1232	ND		0.022	ND		0.048	ND		0.015	ND		0.017
Aroclor-1242	ND		0.022	ND		0.048	ND		0.015	ND		0.017
Aroclor-1248	ND		0.022	ND		0.048	0.113		0.015	ND		0.017
Aroclor-1254	0.354		0.022	ND		0.048	0.076		0.015	ND		0.017
Aroclor-1260	ND		0.022	ND		0.048	ND		0.015	ND		0.017
Aroclor-1262	ND		0.022	ND		0.048	ND		0.015	ND		0.017
Aroclor-1268	ND		0.022	ND		0.048	ND		0.015	ND		0.017
PCBs	0.354		0.022	ND		0.048	0.189		0.015	ND		0.017

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-09481

Lab ID:	09481-009			09481-010			09481-011			09481-012		
Client ID:	O-48 (0-1.0)			O-48 (1.0-2.0)			O-48 (2.0-3.0)			O-48 (3.0-4.0)		
Depth:	0/1			1/2			2/3			3/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	9/26/13			9/26/13			9/26/13			9/26/13		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Aroclor-1016	ND		0.020	ND		0.015	ND		0.027	ND		0.037
Aroclor-1221	ND		0.020	ND		0.015	ND		0.027	ND		0.037
Aroclor-1232	ND		0.020	ND		0.015	ND		0.027	ND		0.037
Aroclor-1242	ND		0.020	ND		0.015	ND		0.027	ND		0.037
Aroclor-1248	ND		0.020	ND		0.015	ND		0.027	ND		0.037
Aroclor-1254	ND		0.020	ND		0.015	ND		0.027	ND		0.037
Aroclor-1260	ND		0.020	ND		0.015	ND		0.027	ND		0.037
Aroclor-1262	ND		0.020	ND		0.015	ND		0.027	ND		0.037
Aroclor-1268	ND		0.020	ND		0.015	ND		0.027	ND		0.037
PCBs	ND		0.020	ND		0.015	ND		0.027	ND		0.037

Lab ID:	09481-013			09481-014			09481-015			09481-016		
Client ID:	S-50 (0-1.0)			S-50 (1.0-2.0)			R-50 (0-1.0)			R-50 (1.0-2.0)		
Depth:	0/1			1/2			0/1			1/2		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	9/26/13			9/26/13			9/26/13			9/26/13		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Aroclor-1016	ND		0.020	ND		0.021	ND		0.018	ND		0.040
Aroclor-1221	ND		0.020	ND		0.021	ND		0.018	ND		0.040
Aroclor-1232	ND		0.020	ND		0.021	ND		0.018	ND		0.040
Aroclor-1242	ND		0.020	ND		0.021	ND		0.018	ND		0.040
Aroclor-1248	3.45		0.020	0.153		0.021	ND		0.018	0.430		0.040
Aroclor-1254	1.71		0.020	ND		0.021	ND		0.018	ND		0.040
Aroclor-1260	ND		0.020	ND		0.021	ND		0.018	ND		0.040
Aroclor-1262	ND		0.020	ND		0.021	ND		0.018	ND		0.040
Aroclor-1268	ND		0.020	ND		0.021	ND		0.018	ND		0.040
PCBs	5.16		0.020	0.153		0.021	ND		0.018	0.430		0.040

Lab ID:	09481-017		
Client ID:	U-45 (4.0-5.0)		
Depth:	4/5		
Matrix:	Soil		
Sampled Date	9/26/13		
PARAMETER(Units)	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*		
Aroclor-1016	ND		0.019
Aroclor-1221	ND		0.019
Aroclor-1232	ND		0.019
Aroclor-1242	ND		0.019
Aroclor-1248	ND		0.019
Aroclor-1254	ND		0.019
Aroclor-1260	ND		0.019
Aroclor-1262	ND		0.019
Aroclor-1268	ND		0.019
PCBs	ND		0.019

ND = Analyzed for but Not Detected at the MDL

ANALYTICAL RESULTS

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09481-001
Client ID: Q-49_(0-1.
Date Received: 09/26/2013
Date Extracted: 10/01/2013
Date Analyzed: 10/02/2013
Data file: Y1958.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.06g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 82.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.228	0.091
Aroclor-1221	ND		0.228	0.091
Aroclor-1232	ND		0.228	0.091
Aroclor-1242	ND		0.228	0.091
Aroclor-1248	ND		0.228	0.091
Aroclor-1254	ND		0.228	0.091
Aroclor-1260	ND		0.228	0.091
Aroclor-1262	ND		0.228	0.091
Aroclor-1268	ND		0.228	0.091
PCBs	ND		0.228	0.091

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

E13-09481 0011

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09481-002
Client ID: Q-49_(1.0-
Date Received: 09/26/2013
Date Extracted: 10/01/2013
Date Analyzed: 10/02/2013
Data file: Y1959.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.87g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 28.2

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

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

E13-09481 0012

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09481-003
Client ID: Q-50_(0-1.
Date Received: 09/26/2013
Date Extracted: 10/01/2013
Date Analyzed: 10/02/2013
Data file: Y1960.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.40g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 31.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.054	0.022
Aroclor-1221	ND		0.054	0.022
Aroclor-1232	ND		0.054	0.022
Aroclor-1242	ND		0.054	0.022
Aroclor-1248	ND		0.054	0.022
Aroclor-1254	0.123		0.054	0.022
Aroclor-1260	ND		0.054	0.022
Aroclor-1262	ND		0.054	0.022
Aroclor-1268	ND		0.054	0.022
PCBs	0.123		0.054	0.022

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

E13-09481 0013

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09481-004
Client ID: Q-50_(1.0-
Date Received: 09/26/2013
Date Extracted: 10/01/2013
Date Analyzed: 10/02/2013
Data file: Y1961.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.38g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 63.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.101	0.040
Aroclor-1221	ND		0.101	0.040
Aroclor-1232	ND		0.101	0.040
Aroclor-1242	ND		0.101	0.040
Aroclor-1248	ND		0.101	0.040
Aroclor-1254	ND		0.101	0.040
Aroclor-1260	ND		0.101	0.040
Aroclor-1262	ND		0.101	0.040
Aroclor-1268	ND		0.101	0.040
PCBs	ND		0.101	0.040

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

E13-09481 0014

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09481-005
Client ID: P-49_(0-1.
Date Received: 09/26/2013
Date Extracted: 10/01/2013
Date Analyzed: 10/02/2013
Data file: Y1962.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.56g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 34.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.055	0.022
Aroclor-1221	ND		0.055	0.022
Aroclor-1232	ND		0.055	0.022
Aroclor-1242	ND		0.055	0.022
Aroclor-1248	ND		0.055	0.022
Aroclor-1254	0.354		0.055	0.022
Aroclor-1260	ND		0.055	0.022
Aroclor-1262	ND		0.055	0.022
Aroclor-1268	ND		0.055	0.022
PCBs	0.354		0.055	0.022

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

E13-09481 0015

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09481-006
Client ID: P-49_(1.0-
Date Received: 09/26/2013
Date Extracted: 10/01/2013
Date Analyzed: 10/02/2013
Data file: Y1963.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.62g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 70.1

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

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

E13-09481 0016

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09481-007
Client ID: P-50_(0-1.
Date Received: 09/26/2013
Date Extracted: 10/01/2013
Date Analyzed: 10/02/2013
Data file: Y1964.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.73g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 5.60

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.037	0.015
Aroclor-1221	ND		0.037	0.015
Aroclor-1232	ND		0.037	0.015
Aroclor-1242	ND		0.037	0.015
Aroclor-1248	0.113		0.037	0.015
Aroclor-1254	0.076		0.037	0.015
Aroclor-1260	ND		0.037	0.015
Aroclor-1262	ND		0.037	0.015
Aroclor-1268	ND		0.037	0.015
PCBs	0.189		0.037	0.015

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

E13-09481 0017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09481-008
Client ID: P-50_(1.0-
Date Received: 09/26/2013
Date Extracted: 10/01/2013
Date Analyzed: 10/02/2013
Data file: R4530.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.14g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 6.00

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

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

E13-09481 0018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09481-009
Client ID: O-48_(0-1.
Date Received: 09/26/2013
Date Extracted: 10/01/2013
Date Analyzed: 10/02/2013
Data file: R4535.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.94g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 33.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	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

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E — Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09481-010
Client ID: O-48_(1.0-
Date Received: 09/26/2013
Date Extracted: 10/01/2013
Date Analyzed: 10/02/2013
Data file: R4554.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.89g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 12.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.039	0.015
Aroclor-1221	ND		0.039	0.015
Aroclor-1232	ND		0.039	0.015
Aroclor-1242	ND		0.039	0.015
Aroclor-1248	ND		0.039	0.015
Aroclor-1254	ND		0.039	0.015
Aroclor-1260	ND		0.039	0.015
Aroclor-1262	ND		0.039	0.015
Aroclor-1268	ND		0.039	0.015
PCBs	ND		0.039	0.015

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09481-011
Client ID: O-48_(2.0-
Date Received: 09/26/2013
Date Extracted: 10/01/2013
Date Analyzed: 10/02/2013
Data file: R4537.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.68g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 47.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.067	0.027
Aroclor-1221	ND		0.067	0.027
Aroclor-1232	ND		0.067	0.027
Aroclor-1242	ND		0.067	0.027
Aroclor-1248	ND		0.067	0.027
Aroclor-1254	ND		0.067	0.027
Aroclor-1260	ND		0.067	0.027
Aroclor-1262	ND		0.067	0.027
Aroclor-1268	ND		0.067	0.027
PCBs	ND		0.067	0.027

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

E13-09481 0021

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09481-012
Client ID: O-48_(3.0-
Date Received: 09/26/2013
Date Extracted: 10/01/2013
Date Analyzed: 10/02/2013
Data file: R4538.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.21g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 58.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.091	0.037
Aroclor-1221	ND		0.091	0.037
Aroclor-1232	ND		0.091	0.037
Aroclor-1242	ND		0.091	0.037
Aroclor-1248	ND		0.091	0.037
Aroclor-1254	ND		0.091	0.037
Aroclor-1260	ND		0.091	0.037
Aroclor-1262	ND		0.091	0.037
Aroclor-1268	ND		0.091	0.037
PCBs	ND		0.091	0.037

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09481-013
Client ID: S-50_(0-1.
Date Received: 09/26/2013
Date Extracted: 10/01/2013
Date Analyzed: 10/02/2013
Data file: R4539.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.55g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 29.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.051	0.020
Aroclor-1221	ND		0.051	0.020
Aroclor-1232	ND		0.051	0.020
Aroclor-1242	ND		0.051	0.020
Aroclor-1248	3.45		0.051	0.020
Aroclor-1254	1.71		0.051	0.020
Aroclor-1260	ND		0.051	0.020
Aroclor-1262	ND		0.051	0.020
Aroclor-1268	ND		0.051	0.020
PCBs	5.16		0.051	0.020

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09481-014
Client ID: S-50_(1.0-
Date Received: 09/26/2013
Date Extracted: 10/01/2013
Date Analyzed: 10/02/2013
Data file: R4540.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.56g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 30.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.052	0.021
Aroclor-1221	ND		0.052	0.021
Aroclor-1232	ND		0.052	0.021
Aroclor-1242	ND		0.052	0.021
Aroclor-1248	0.153		0.052	0.021
Aroclor-1254	ND		0.052	0.021
Aroclor-1260	ND		0.052	0.021
Aroclor-1262	ND		0.052	0.021
Aroclor-1268	ND		0.052	0.021
PCBs	0.153		0.052	0.021

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09481-015
Client ID: R-50_(0-1.
Date Received: 09/26/2013
Date Extracted: 10/01/2013
Date Analyzed: 10/02/2013
Data file: R4541.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.76g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 23.3

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

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09481-016
Client ID: R-50_(1.0-
Date Received: 09/26/2013
Date Extracted: 10/01/2013
Date Analyzed: 10/02/2013
Data file: R4542.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.35g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 63.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.101	0.040
Aroclor-1221	ND		0.101	0.040
Aroclor-1232	ND		0.101	0.040
Aroclor-1242	ND		0.101	0.040
Aroclor-1248	0.430		0.101	0.040
Aroclor-1254	ND		0.101	0.040
Aroclor-1260	ND		0.101	0.040
Aroclor-1262	ND		0.101	0.040
Aroclor-1268	ND		0.101	0.040
PCBs	0.430		0.101	0.040

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09481-017
Client ID: U-45_(4.0-
Date Received: 09/26/2013
Date Extracted: 10/01/2013
Date Analyzed: 10/02/2013
Data file: R4543.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.23g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 21.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.049	0.019
Aroclor-1221	ND		0.049	0.019
Aroclor-1232	ND		0.049	0.019
Aroclor-1242	ND		0.049	0.019
Aroclor-1248	ND		0.049	0.019
Aroclor-1254	ND		0.049	0.019
Aroclor-1260	ND		0.049	0.019
Aroclor-1262	ND		0.049	0.019
Aroclor-1268	ND		0.049	0.019
PCBs	ND		0.049	0.019

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09481-018
Client ID: FB-12
Date Received: 09/26/2013
Date Extracted: 09/30/2013
Date Analyzed: 10/01/2013
Data file: Y1929.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

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve
B --- Compound detected in Blank
C --- Common laboratory contamination

E13-09481 0028

PCB DATA

PCB QC SUMMARY

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 09/24/2013

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKA130923-16	AQUEOUS	79		98		98		108	
FB091713	09228-008	AQUEOUS	71		92		88		99	
EX._WELL	09198-007	AQUEOUS	66		91		82		98	
PCB	09198-007MS	AQUEOUS	59		80		74		104	
PCB	09198-007MSD	AQUEOUS	64		83		80		100	
PCB	LCSA130923-16	AQUEOUS	67		90		83		105	

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: 10/01/2013

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKA130930-19	AQUEOUS	86		58		102		66	
PCB	LCSA130930-19	AQUEOUS	78		64		78		61	
TW-6/12.04	09464-001	AQUEOUS	75		59		76		68	
TW-3/11.81	09464-004	AQUEOUS	72		51		84		57	
ES-PTCB-09	09562-001	AQUEOUS	76		70		77		74	
ES-PTCB-09	09562-002	AQUEOUS	71		58		75		73	
FB-9	09369-014	AQUEOUS	78		55		79		63	
FB-10	09406-022	AQUEOUS	81		56		83		65	
FB-11	09441-012	AQUEOUS	79		57		81		61	
FB-12	09481-018	AQUEOUS	82		59		84		74	
FB-13	09542-014	AQUEOUS	75		54		78		61	

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: 10/02/2013

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS131001-07	SOIL	95		66		94		78	
C-1	09436-001	SOLID	86		98		86		101	
C-2	09436-002	SOLID	74		94		76		114	
R-49(0-1.0	09441-001	SOIL	107		85		108		110	
R-49(1.0-2	09441-002	SOIL	105		87		106		107	
PCB	09441-002MSD	SOIL	108		84		108		97	
PCB	LCSS131001-07	SOIL	94		86		94		78	
PCB	09441-002MS	SOIL	109		85		111		97	
R-48R(1.0-	09441-004	SOIL	129		112		136		125	
S-49(0-1.0	09441-005	SOIL	112		100		114		124	
S-49(1.0-2	09441-006	SOIL	120		107		127		118	
S-48(0-1.0	09441-007	SOIL	115		92		120		111	
S-48(1.0-2	09441-008	SOIL	130		123		137		146	
U-45N(2)(5	09441-009	SOIL	104		94		107		102	
V-44N(4.0-	09441-010	SOIL	104		82		107		98	
V-44N(5.0-	09441-011	SOIL	103		82		106		99	
Q-49_(0-1.	09481-001	SOIL	130		121		141		131	
Q-49_(1.0-	09481-002	SOIL	109		91		113		109	
Q-50_(0-1.	09481-003	SOIL	112		97		117		111	
Q-50_(1.0-	09481-004	SOIL	113		99		119		109	
P-49_(0-1.	09481-005	SOIL	108		92		112		106	
P-49_(1.0-	09481-006	SOIL	113		90		120		107	
P-50_(0-1.	09481-007	SOIL	91		86		94		100	
R-48R(0-1.	09441-003	SOIL	116		112		126		123	

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: 10/02/2013

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS131001-08	SOIL	99		99		100		108	
P-50_(1.0-	09481-008	SOIL	94		100		97		109	
PCB	09481-008MS	SOIL	89		105		93		110	
PCB	09481-008MSD	SOIL	97		100		97		102	
PCB	LCSS131001-08	SOIL	100		118		100		92	
O-48_(0-1.	09481-009	SOIL	97		110		99		110	
O-48_(2.0-	09481-011	SOIL	110		115		107		139	
O-48_(3.0-	09481-012	SOIL	129		130		128		149	
S-50_(0-1.	09481-013	SOIL	114		107		113		127	
S-50_(1.0-	09481-014	SOIL	117		131		117		131	
R-50_(0-1.	09481-015	SOIL	118		141		118		124	
R-50_(1.0-	09481-016	SOIL	140		136		141		146	
U-45_(4.0-	09481-017	SOIL	115		136		114		137	
BB-46(0-1.	09542-001	SOIL	131		137		132		143	
BB-46(1.0-	09542-002	SOIL	150		136		150		141	
AA-46(0-1.	09542-003	SOIL	144		138		145		139	
AA-46(1.0-	09542-004	SOIL	146		141		147		138	
V-48(0-1.0	09542-005	SOIL	143		139		142		149	
V-48(1.0-2	09542-006	SOIL	145		146		146		133	
U-48(0-1.0	09542-007	SOIL	137		132		136		144	
U-48(1.0-2	09542-008	SOIL	146		130		146		145	
T-48(0-1.0	09542-009	SOIL	140		142		139		132	
T-48(1.0-2	09542-010	SOIL	148		136		149		146	
O-48_(1.0-	09481-010	SOIL	82		95		77		101	

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

AQUEOUS PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID: LCSA130930-19

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	414.2	83	40 - 140
Aroclor-1260	500.0	0.0	356.6	71	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 LCS ACCURACY RECOVERY

Matrix spike Lab sample ID: LCSS131001-07

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	487.6	98	40 - 140
Aroclor-1260	500.0	0.0	439.0	88	40 - 140

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

* Values outside of QC limits

NC Non calculable

Spike Recovery: __0___ out of __2__ outside limits

SOIL PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID: LCSS131001-08

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	501.0	100	40 - 140
Aroclor-1260	500.0	0.0	514.8	103	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 MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: 09198-007

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	412.2	82	40 - 140
Aroclor-1260	500.0	0.0	489.5	98	40 - 140

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	422.2	84	2	50	40 - 140
Aroclor-1260	0.0	486.2	97	1	50	40 - 140

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

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __2__ outside limits

Spike Recovery: __0___ out of __4__ outside limits

SOIL PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: 09441-002

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	559.7	112	40 - 140
Aroclor-1260	500.0	0.0	515.9	103	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	540.3	108	4	50	40 - 140
Aroclor-1260	0.0	487.5	98	5	50	40 - 140

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

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __2__ outside limits

Spike Recovery: __0___ out of __4__ outside limits

SOIL PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: 09481-008

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	486.4	97	40 - 140
Aroclor-1260	500.0	0.0	540.7	108	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	488.6	98	1	50	40 - 140
Aroclor-1260	0.0	538.5	108	0	50	40 - 140

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

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __2__ outside limits

Spike Recovery: __0___ out of __4__ outside limits

PCB METHOD BLANK SUMMARY

Lab File ID:	R4385.D	Instrument ID:	GC-R
Date Extracted:	09/23/2013	Matrix:	AQUEOUS
Date Analyzed:	09/24/2013	Time Analyzed:	16:40

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FB091713	09228-008	09/24/2013	16:58
EX._WELL	09198-007	09/24/2013	17:15
PCB	09198-007MS	09/24/2013	17:33
PCB	09198-007MSD	09/24/2013	17:50
PCB	LCSA130923-16	09/24/2013	18:08

PCB METHOD BLANK SUMMARY

Lab File ID:	Y1920.D	Instrument ID:	GC-Y
Date Extracted:	09/30/2013	Matrix:	AQUEOUS
Date Analyzed:	10/01/2013	Time Analyzed:	14:48

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSA130930-19	10/01/2013	15:05
TW-6/12.04	09464-001	10/01/2013	15:23
TW-3/11.81	09464-004	10/01/2013	15:54
ES-PTCB-09	09562-001	10/01/2013	16:12
ES-PTCB-09	09562-002	10/01/2013	16:29
FB-9	09369-014	10/01/2013	16:47
FB-10	09406-022	10/01/2013	17:04
FB-11	09441-012	10/01/2013	17:21
FB-12	09481-018	10/01/2013	17:39
FB-13	09542-014	10/01/2013	17:56

PCB METHOD BLANK SUMMARY

Lab File ID: Y1938.D

Instrument ID: GC-Y

Date Extracted: 10/01/2013

Matrix: SOIL

Date Analyzed: 10/02/2013

Time Analyzed: 11:18

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
C-1	09436-001	10/02/2013	11:35
C-2	09436-002	10/02/2013	11:53
R-49(0-1.0	09441-001	10/02/2013	12:10
R-49(1.0-2	09441-002	10/02/2013	12:27
PCB	09441-002MSD	10/02/2013	13:02
PCB	LCSS131001-07	10/02/2013	13:19
PCB	09441-002MS	10/02/2013	14:33
R-48R(1.0-	09441-004	10/02/2013	16:22
S-49(0-1.0	09441-005	10/02/2013	16:39
S-49(1.0-2	09441-006	10/02/2013	16:56
S-48(0-1.0	09441-007	10/02/2013	17:14
S-48(1.0-2	09441-008	10/02/2013	17:31
U-45N(2)(5	09441-009	10/02/2013	17:49
V-44N(4.0-	09441-010	10/02/2013	18:06
V-44N(5.0-	09441-011	10/02/2013	18:24
Q-49_(0-1.	09481-001	10/02/2013	18:41
Q-49_(1.0-	09481-002	10/02/2013	18:59
Q-50_(0-1.	09481-003	10/02/2013	19:16
Q-50_(1.0-	09481-004	10/02/2013	19:33
P-49_(0-1.	09481-005	10/02/2013	19:51
P-49_(1.0-	09481-006	10/02/2013	20:08
P-50_(0-1.	09481-007	10/02/2013	20:26
R-48R(0-1.	09441-003	10/02/2013	20:43

PCB METHOD BLANK SUMMARY

Lab File ID: R4529.D

Instrument ID: GC-R

Date Extracted: 10/01/2013

Matrix: SOIL

Date Analyzed: 10/02/2013

Time Analyzed: 08:22

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
P-50_(1.0-	09481-008	10/02/2013	08:47
PCB	09481-008MS	10/02/2013	09:04
PCB	09481-008MSD	10/02/2013	09:22
PCB	LCSS131001-08	10/02/2013	09:39
O-48_(0-1.	09481-009	10/02/2013	10:14
O-48_(2.0-	09481-011	10/02/2013	10:49
O-48_(3.0-	09481-012	10/02/2013	11:07
S-50_(0-1.	09481-013	10/02/2013	11:24
S-50_(1.0-	09481-014	10/02/2013	11:42
R-50_(0-1.	09481-015	10/02/2013	11:59
R-50_(1.0-	09481-016	10/02/2013	12:17
U-45_(4.0-	09481-017	10/02/2013	12:34
BB-46(0-1.	09542-001	10/02/2013	13:27
BB-46(1.0-	09542-002	10/02/2013	13:44
AA-46(0-1.	09542-003	10/02/2013	14:02
AA-46(1.0-	09542-004	10/02/2013	14:19
V-48(0-1.0	09542-005	10/02/2013	14:36
V-48(1.0-2	09542-006	10/02/2013	14:54
U-48(0-1.0	09542-007	10/02/2013	15:11
U-48(1.0-2	09542-008	10/02/2013	15:29
T-48(0-1.0	09542-009	10/02/2013	15:46
T-48(1.0-2	09542-010	10/02/2013	16:04
O-48_(1.0-	09481-010	10/02/2013	16:21

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2013

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

Data File: R3851.D R3850.D R3849.D R3848.D R3847.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.21	3.21	3.21	3.21	3.20	3.21	3.14	3.28
Aroclor-1016 {2}	4.04	4.04	4.04	4.04	4.03	4.04	3.97	4.11
Aroclor-1016 {3}	4.59	4.59	4.59	4.59	4.59	4.59	4.52	4.66
Aroclor-1016 {4}	5.10	5.10	5.10	5.10	5.10	5.10	5.03	5.17
Aroclor-1016 {5}	5.49	5.49	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.12				2.05	2.19
Aroclor-1221 {2}			3.01				2.94	3.08
Aroclor-1221 {3}			3.13				3.06	3.20
Aroclor-1221 {4}			3.21				3.14	3.28
Aroclor-1221 {5}			3.80				3.73	3.87
Aroclor-1232			3.21				3.14	3.28
Aroclor-1232 {2}			4.04				3.97	4.11
Aroclor-1232 {3}			4.70				4.63	4.77
Aroclor-1232 {4}			5.30				5.23	5.37
Aroclor-1232 {5}			5.49				5.42	5.56
Aroclor-1242			4.04				3.97	4.11
Aroclor-1242 {2}			4.98				4.91	5.05
Aroclor-1242 {3}			5.30				5.23	5.37
Aroclor-1242 {4}			6.00				5.93	6.07
Aroclor-1242 {5}			6.27				6.20	6.34
Aroclor-1248			4.44				4.36	4.52
Aroclor-1248 {2}			4.98				4.90	5.06
Aroclor-1248 {3}			5.30				5.22	5.38
Aroclor-1248 {4}			6.00				5.92	6.08
Aroclor-1248 {5}			6.27				6.19	6.35
Aroclor-1254			6.39				6.31	6.47
Aroclor-1254 {2}			6.83				6.75	6.91
Aroclor-1254 {3}			7.00				6.91	7.09
Aroclor-1254 {4}			7.45				7.36	7.54
Aroclor-1254 {5}			8.29				8.20	8.38
Aroclor-1260	8.29	8.29	8.29	8.29	8.29	8.29	7.39	9.19
Aroclor-1260 {2}	8.97	8.96	8.96	8.96	8.96	8.96	8.06	9.86
Aroclor-1260 {3}	9.45	9.45	9.44	9.44	9.44	9.45	8.55	10.35
Aroclor-1260 {4}	9.94	9.93	9.93	9.93	9.93	9.93	9.03	10.83
Aroclor-1260 {5}	11.00	11.00	11.00	10.99	10.99	11.00	10.10	11.90

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2013

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R3851.D R3850.D R3849.D R3848.D R3847.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	243865	216790	199305	183366	184539	205573	12.32
Aroclor-1016 {2}	329663	293312	273907	254375	251534	280558	11.48
Aroclor-1016 {3}	421622	378312	356112	329359	325022	362086	10.95
Aroclor-1016 {4}	196004	176563	161796	145945	139733	164008	13.98
Aroclor-1016 {5}	322251	290331	282382	257409	252936	281062	9.96
Aroclor-1221			98455				
Aroclor-1221 {2}			147422				
Aroclor-1221 {3}			104493				
Aroclor-1221 {4}			357450				
Aroclor-1221 {5}			79152				
Aroclor-1232			248609				
Aroclor-1232 {2}			144312				
Aroclor-1232 {3}			125680				
Aroclor-1232 {4}			141484				
Aroclor-1232 {5}			176247				
Aroclor-1242			232340				
Aroclor-1242 {2}			149217				
Aroclor-1242 {3}			212227				
Aroclor-1242 {4}			308432				
Aroclor-1242 {5}			255832				
Aroclor-1248			550496				
Aroclor-1248 {2}			319120				
Aroclor-1248 {3}			418121				
Aroclor-1248 {4}			650924				
Aroclor-1248 {5}			480676				
Aroclor-1254			627382				
Aroclor-1254 {2}			399643				
Aroclor-1254 {3}			752699				
Aroclor-1254 {4}			788362				
Aroclor-1254 {5}			705322				
Aroclor-1260	757128	754434	788799	691182	715219	741352	5.17
Aroclor-1260 {2}	377531	353479	367477	314922	322854	347253	7.89
Aroclor-1260 {3}	833253	861623	929397	797453	840707	852487	5.73
Aroclor-1260 {4}	442035	422694	469045	403585	434405	434353	5.57
Aroclor-1260 {5}	232694	194352	209736	173881	171745	196482	13.01
					Average %RSD		9.61

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2013

Instrument ID: GC-R
GC Column (2nd): DB-1701P

Data File: R3851.C R3850.C R3849.C R3848.C R3847.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.38	3.38	3.38	3.38	3.39	3.38	3.31	3.45
Aroclor-1016 {2}	3.94	3.94	3.94	3.94	3.96	3.94	3.87	4.01
Aroclor-1016 {3}	4.66	4.66	4.66	4.66	4.67	4.66	4.59	4.73
Aroclor-1016 {4}	4.86	4.86	4.86	4.86	4.87	4.86	4.79	4.93
Aroclor-1016 {5}	5.03	5.03	5.03	5.03	5.04	5.03	4.96	5.10
Aroclor-1221			2.17				2.10	2.24
Aroclor-1221 {2}			3.08				3.01	3.15
Aroclor-1221 {3}			3.29				3.22	3.36
Aroclor-1221 {4}			3.38				3.31	3.45
Aroclor-1221 {5}			4.66				4.59	4.73
Aroclor-1232			3.38				3.31	3.45
Aroclor-1232 {2}			4.31				4.24	4.38
Aroclor-1232 {3}			4.86				4.79	4.93
Aroclor-1232 {4}			5.03				4.96	5.10
Aroclor-1232 {5}			5.61				5.54	5.68
Aroclor-1242			4.31				4.24	4.38
Aroclor-1242 {2}			5.03				4.96	5.10
Aroclor-1242 {3}			5.61				5.54	5.68
Aroclor-1242 {4}			5.76				5.69	5.83
Aroclor-1242 {5}			6.30				6.23	6.37
Aroclor-1248			4.66				4.58	4.74
Aroclor-1248 {2}			5.22				5.14	5.30
Aroclor-1248 {3}			5.61				5.53	5.69
Aroclor-1248 {4}			5.76				5.68	5.84
Aroclor-1248 {5}			6.11				6.03	6.19
Aroclor-1254			6.59				6.51	6.67
Aroclor-1254 {2}			7.17				7.09	7.25
Aroclor-1254 {3}			7.60				7.51	7.69
Aroclor-1254 {4}			7.78				7.69	7.87
Aroclor-1254 {5}			8.59				8.50	8.68
Aroclor-1260	7.35	7.35	7.35	7.35	7.36	7.35	6.45	8.25
Aroclor-1260 {2}	7.60	7.60	7.60	7.60	7.61	7.60	6.70	8.50
Aroclor-1260 {3}	9.18	9.18	9.18	9.18	9.19	9.18	8.28	10.08
Aroclor-1260 {4}	9.69	9.69	9.69	9.69	9.70	9.69	8.79	10.59
Aroclor-1260 {5}	10.28	10.28	10.28	10.27	10.28	10.28	9.38	11.18

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2013

Instrument ID: GC-R

GC Column (2nd): DB-1701P

Data File: R3851.C R3850.C R3849.C R3848.C R3847.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	362241	319133	272025	248097	250722	290444	16.94
Aroclor-1016 {2}	743962	638498	551705	509099	507402	590133	17.13
Aroclor-1016 {3}	1634305	1339093	1240491	1157160	1153188	1304848	15.26
Aroclor-1016 {4}	640757	532369	529369	479376	469296	530233	12.83
Aroclor-1016 {5}	511215	424107	401382	365779	361833	412863	14.71
Aroclor-1221			133932				
Aroclor-1221 {2}			198787				
Aroclor-1221 {3}			133461				
Aroclor-1221 {4}			484806				
Aroclor-1221 {5}			92989				
Aroclor-1232			337701				
Aroclor-1232 {2}			127755				
Aroclor-1232 {3}			282764				
Aroclor-1232 {4}			212621				
Aroclor-1232 {5}			294142				
Aroclor-1242			199335				
Aroclor-1242 {2}			339120				
Aroclor-1242 {3}			443826				
Aroclor-1242 {4}			366761				
Aroclor-1242 {5}			720540				
Aroclor-1248			766481				
Aroclor-1248 {2}			1140084				
Aroclor-1248 {3}			814777				
Aroclor-1248 {4}			687633				
Aroclor-1248 {5}			406423				
Aroclor-1254			915839				
Aroclor-1254 {2}			721245				
Aroclor-1254 {3}			474223				
Aroclor-1254 {4}			703201				
Aroclor-1254 {5}			1013959				
Aroclor-1260	585399	517611	452177	396373	395981	469508	17.43
Aroclor-1260 {2}	883662	775223	680288	591735	587886	703758	17.97
Aroclor-1260 {3}	674621	625967	589609	507374	529398	585394	11.73
Aroclor-1260 {4}	1367534	1326755	1291089	1100209	1160368	1249191	9.12
Aroclor-1260 {5}	929561	946699	919373	778085	827578	880259	8.35
					Average %RSD		14.15

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2013

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

Data File: R3851.D R3850.D R3849.D R3848.D R3847.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1262			8.66				8.54	8.78
Aroclor-1262 {2}			9.45				9.33	9.57
Aroclor-1262 {3}			10.08				9.96	10.20
Aroclor-1262 {4}			10.16				10.04	10.28
Aroclor-1262 {5}			11.00				10.88	11.12
Aroclor-1268			10.08				9.96	10.20
Aroclor-1268 {2}			10.16				10.04	10.28
Aroclor-1268 {3}			10.63				10.51	10.75
Aroclor-1268 {4}			10.76				10.64	10.88
Aroclor-1268 {5}			11.60				11.48	11.72

GC Column (2nd): DB-1701P

Data File: R3851.C R3850.C R3849.C R3848.C R3847.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1262			9.18				9.06	9.30
Aroclor-1262 {2}			9.69				9.57	9.81
Aroclor-1262 {3}			10.18				10.06	10.30
Aroclor-1262 {4}			10.27				10.15	10.39
Aroclor-1262 {5}			10.87				10.75	10.99
Aroclor-1268			10.18				10.06	10.30
Aroclor-1268 {2}			10.26				10.14	10.38
Aroclor-1268 {3}			10.51				10.39	10.63
Aroclor-1268 {4}			10.65				10.53	10.77
Aroclor-1268 {5}			11.73				11.61	11.85

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2013

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R3851.D R3850.D R3849.D R3848.D R3847.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			326215				
Aroclor-1262 {2}			1281764				
Aroclor-1262 {3}			491930				
Aroclor-1262 {4}			563512				
Aroclor-1262 {5}			432239				
Aroclor-1268			1292652				
Aroclor-1268 {2}			1452313				
Aroclor-1268 {3}			1123481				
Aroclor-1268 {4}			297485				
Aroclor-1268 {5}			3490031				

GC Column (2nd): DB-1701P

Data File: R3851.C R3850.C R3849.C R3848.C R3847.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			817810				
Aroclor-1262 {2}			1844146				
Aroclor-1262 {3}			599368				
Aroclor-1262 {4}			1277066				
Aroclor-1262 {5}			225009				
Aroclor-1268			1847615				
Aroclor-1268 {2}			1965341				
Aroclor-1268 {3}			1551936				
Aroclor-1268 {4}			432171				
Aroclor-1268 {5}			4623946				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 09/24/2013 **Instrument ID:** GC-R

Data File: R4384.D **GC Column (1st):** DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.21	3.14	3.28	205573	189511	7.81
Aroclor-1016 {2}	4.04	3.97	4.11	280558	252511	10.00
Aroclor-1016 {3}	4.59	4.52	4.66	362086	329692	8.95
Aroclor-1016 {4}	5.10	5.03	5.17	164008	154438	5.84
Aroclor-1016 {5}	5.50	5.42	5.56	281062	258521	8.02
Aroclor-1260	8.30	7.39	9.19	741352	711637	4.01
Aroclor-1260 {2}	8.97	8.06	9.86	347253	326062	6.10
Aroclor-1260 {3}	9.45	8.55	10.35	852487	823289	3.43
Aroclor-1260 {4}	9.94	9.03	10.83	434353	419304	3.46
Aroclor-1260 {5}	11.00	10.10	11.90	196482	215258	9.56

Data File: R4384.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.39	3.31	3.45	290444	325519	12.08
Aroclor-1016 {2}	3.95	3.87	4.01	590133	645596	9.40
Aroclor-1016 {3}	4.67	4.59	4.73	1304848	1442551	10.55
Aroclor-1016 {4}	4.87	4.79	4.93	530233	609175	14.89
Aroclor-1016 {5}	5.03	4.96	5.10	412863	462335	11.98
Aroclor-1260	7.35	6.45	8.25	469508	506599	7.90
Aroclor-1260 {2}	7.60	6.70	8.50	703758	742963	5.57
Aroclor-1260 {3}	9.18	8.28	10.08	585394	623034	6.43
Aroclor-1260 {4}	9.69	8.79	10.59	1249191	1359070	8.80
Aroclor-1260 {5}	10.28	9.38	11.18	880259	977931	11.10

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 09/24/2013 **Instrument ID:** GC-R

Data File: R4391.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.21	3.14	3.28	205573	201297	2.08
Aroclor-1016 {2}	4.04	3.97	4.11	280558	269173	4.06
Aroclor-1016 {3}	4.59	4.52	4.66	362086	352706	2.59
Aroclor-1016 {4}	5.10	5.03	5.17	164008	169095	3.10
Aroclor-1016 {5}	5.50	5.42	5.56	281062	276769	1.53
Aroclor-1260	8.30	7.39	9.19	741352	762532	2.86
Aroclor-1260 {2}	8.97	8.06	9.86	347253	352612	1.54
Aroclor-1260 {3}	9.45	8.55	10.35	852487	901730	5.78
Aroclor-1260 {4}	9.94	9.03	10.83	434353	455080	4.77
Aroclor-1260 {5}	11.00	10.10	11.90	196482	213807	8.82

Data File: R4391.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.38	3.31	3.45	290444	341782	17.68
Aroclor-1016 {2}	3.94	3.87	4.01	590133	678384	14.95
Aroclor-1016 {3}	4.66	4.59	4.73	1304848	1528331	17.13
Aroclor-1016 {4}	4.86	4.79	4.93	530233	595111	12.24
Aroclor-1016 {5}	5.03	4.96	5.10	412863	493170	19.45
Aroclor-1260	7.35	6.45	8.25	469508	543709	15.80
Aroclor-1260 {2}	7.60	6.70	8.50	703758	812275	15.42
Aroclor-1260 {3}	9.18	8.28	10.08	585394	680332	16.22
Aroclor-1260 {4}	9.69	8.79	10.59	1249191	1411252	12.97
Aroclor-1260 {5}	10.27	9.38	11.18	880259	1032666	17.31

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

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

Data File: Y1850.D Y1849.D Y1848.D Y1847.D Y1846.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1016	3.23	3.23	3.23	3.23	3.23	3.23	3.16	3.30
Aroclor-1016 {2}	4.05	4.05	4.05	4.05	4.05	4.05	3.98	4.12
Aroclor-1016 {3}	4.60	4.60	4.60	4.60	4.60	4.60	4.53	4.67
Aroclor-1016 {4}	5.10	5.10	5.10	5.10	5.10	5.10	5.03	5.17
Aroclor-1016 {5}	5.49	5.49	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.14				2.07	2.21
Aroclor-1221 {2}			3.02				2.95	3.09
Aroclor-1221 {3}			3.15				3.08	3.22
Aroclor-1221 {4}			3.22				3.15	3.29
Aroclor-1221 {5}			3.81				3.74	3.88
Aroclor-1232			3.23				3.16	3.30
Aroclor-1232 {2}			4.05				3.98	4.12
Aroclor-1232 {3}			4.71				4.64	4.78
Aroclor-1232 {4}			5.30				5.23	5.37
Aroclor-1232 {5}			5.49				5.42	5.56
Aroclor-1242			4.05				3.98	4.12
Aroclor-1242 {2}			4.98				4.91	5.05
Aroclor-1242 {3}			5.30				5.23	5.37
Aroclor-1242 {4}			5.99				5.92	6.06
Aroclor-1242 {5}			6.26				6.19	6.33
Aroclor-1248			4.45				4.37	4.53
Aroclor-1248 {2}			4.98				4.90	5.06
Aroclor-1248 {3}			5.30				5.22	5.38
Aroclor-1248 {4}			5.99				5.91	6.07
Aroclor-1248 {5}			6.27				6.19	6.35
Aroclor-1254			6.39				6.31	6.47
Aroclor-1254 {2}			6.82				6.74	6.90
Aroclor-1254 {3}			6.99				6.90	7.08
Aroclor-1254 {4}			7.42				7.33	7.51
Aroclor-1254 {5}			8.26				8.17	8.35
Aroclor-1260	8.26	8.26	8.26	8.26	8.26	8.26	7.36	9.16
Aroclor-1260 {2}	8.94	8.94	8.94	8.94	8.93	8.94	8.04	9.84
Aroclor-1260 {3}	9.41	9.41	9.41	9.41	9.41	9.41	8.51	10.31
Aroclor-1260 {4}	9.89	9.89	9.89	9.89	9.89	9.89	8.99	10.79
Aroclor-1260 {5}	10.95	10.95	10.95	10.95	10.95	10.95	10.05	11.85

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y1850.D Y1849.D Y1848.D Y1847.D Y1846.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	464323	441679	382895	349177	333589	394332	14.46
Aroclor-1016 {2}	631313	643566	521731	477189	458454	546451	15.79
Aroclor-1016 {3}	806143	774449	662509	606621	589177	687780	14.26
Aroclor-1016 {4}	363540	363516	332688	305606	289774	331025	10.09
Aroclor-1016 {5}	628860	642038	551930	503774	487757	562872	12.52
Aroclor-1221			199877				
Aroclor-1221 {2}			313557				
Aroclor-1221 {3}			198732				
Aroclor-1221 {4}			681302				
Aroclor-1221 {5}			164392				
Aroclor-1232			508390				
Aroclor-1232 {2}			304333				
Aroclor-1232 {3}			272852				
Aroclor-1232 {4}			292921				
Aroclor-1232 {5}			379208				
Aroclor-1242			445331				
Aroclor-1242 {2}			289404				
Aroclor-1242 {3}			394283				
Aroclor-1242 {4}			595594				
Aroclor-1242 {5}			525307				
Aroclor-1248			1072563				
Aroclor-1248 {2}			618287				
Aroclor-1248 {3}			795414				
Aroclor-1248 {4}			1263310				
Aroclor-1248 {5}			998553				
Aroclor-1254			1250957				
Aroclor-1254 {2}			821044				
Aroclor-1254 {3}			1480779				
Aroclor-1254 {4}			1606933				
Aroclor-1254 {5}			1429697				
Aroclor-1260	1799563	1887490	1561779	1407648	1377152	1606726	14.27
Aroclor-1260 {2}	884011	896189	732678	641350	641368	759119	16.51
Aroclor-1260 {3}	2064481	2110924	1815054	1604501	1536563	1826305	14.25
Aroclor-1260 {4}	982911	1147466	964107	838195	828743	952284	13.64
Aroclor-1260 {5}	415694	477377	462681	369882	339327	412992	14.28
					Average %RSD		14.01

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-Y
GC Column (2nd): DB-1701P

Data File: Y1850.C Y1849.C Y1848.C Y1847.C Y1846.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.76	3.76	3.76	3.76	3.76	3.76	3.69	3.83
Aroclor-1016 {2}	4.36	4.36	4.36	4.36	4.36	4.36	4.29	4.43
Aroclor-1016 {3}	5.11	5.11	5.11	5.11	5.11	5.11	5.04	5.18
Aroclor-1016 {4}	5.32	5.32	5.32	5.32	5.32	5.32	5.25	5.39
Aroclor-1016 {5}	5.49	5.49	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.44				2.37	2.51
Aroclor-1221 {2}			3.44				3.37	3.51
Aroclor-1221 {3}			3.67				3.60	3.74
Aroclor-1221 {4}			3.77				3.70	3.84
Aroclor-1221 {5}			5.11				5.04	5.18
Aroclor-1232			3.76				3.69	3.83
Aroclor-1232 {2}			4.74				4.67	4.81
Aroclor-1232 {3}			5.32				5.25	5.39
Aroclor-1232 {4}			5.49				5.42	5.56
Aroclor-1232 {5}			6.09				6.02	6.16
Aroclor-1242			4.74				4.67	4.81
Aroclor-1242 {2}			5.49				5.42	5.56
Aroclor-1242 {3}			6.09				6.02	6.16
Aroclor-1242 {4}			6.24				6.17	6.31
Aroclor-1242 {5}			6.79				6.72	6.86
Aroclor-1248			5.11				5.03	5.19
Aroclor-1248 {2}			5.69				5.61	5.77
Aroclor-1248 {3}			6.09				6.01	6.17
Aroclor-1248 {4}			6.24				6.16	6.32
Aroclor-1248 {5}			6.59				6.51	6.67
Aroclor-1254			7.09				7.01	7.17
Aroclor-1254 {2}			7.67				7.59	7.75
Aroclor-1254 {3}			8.29				8.20	8.38
Aroclor-1254 {4}			8.51				8.42	8.60
Aroclor-1254 {5}			9.10				9.01	9.19
Aroclor-1260	7.85	7.85	7.85	7.85	7.85	7.85	6.95	8.75
Aroclor-1260 {2}	8.11	8.11	8.11	8.11	8.11	8.11	7.21	9.01
Aroclor-1260 {3}	9.70	9.70	9.70	9.70	9.70	9.70	8.80	10.60
Aroclor-1260 {4}	10.20	10.20	10.20	10.20	10.20	10.20	9.30	11.10
Aroclor-1260 {5}	10.79	10.79	10.79	10.79	10.79	10.79	9.89	11.69

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-Y

GC Column (2nd): DB-1701P

Data File: Y1850.C Y1849.C Y1848.C Y1847.C Y1846.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	840261	856585	714298	646843	597927	731183	15.71
Aroclor-1016 {2}	1833596	1816776	1547682	1378645	1353928	1586125	14.54
Aroclor-1016 {3}	4371716	4236799	3569561	3258945	3150851	3717574	15.04
Aroclor-1016 {4}	1871668	1849704	1597815	1454198	1410182	1636714	13.20
Aroclor-1016 {5}	1442767	1421476	1238979	1138128	1115123	1271295	12.13
Aroclor-1221			340703				
Aroclor-1221 {2}			617655				
Aroclor-1221 {3}			417322				
Aroclor-1221 {4}			1522237				
Aroclor-1221 {5}			291032				
Aroclor-1232			973678				
Aroclor-1232 {2}			425526				
Aroclor-1232 {3}			940006				
Aroclor-1232 {4}			735287				
Aroclor-1232 {5}			1002709				
Aroclor-1242			611221				
Aroclor-1242 {2}			1032956				
Aroclor-1242 {3}			1271440				
Aroclor-1242 {4}			1106793				
Aroclor-1242 {5}			2184386				
Aroclor-1248			2396754				
Aroclor-1248 {2}			3539345				
Aroclor-1248 {3}			2550731				
Aroclor-1248 {4}			2230079				
Aroclor-1248 {5}			1294923				
Aroclor-1254			2883717				
Aroclor-1254 {2}			2180898				
Aroclor-1254 {3}			1865030				
Aroclor-1254 {4}			1138169				
Aroclor-1254 {5}			2980480				
Aroclor-1260	1380266	1597791	1348190	1285120	1250722	1372418	9.90
Aroclor-1260 {2}	2170235	2320146	1904498	1826388	1764884	1997230	11.90
Aroclor-1260 {3}	1830758	1876902	1742155	1590179	1579596	1723918	7.88
Aroclor-1260 {4}	3775292	4234437	3909868	3531301	3570473	3804274	7.51
Aroclor-1260 {5}	2569926	3071676	2828424	2567649	2559367	2719408	8.36
					Average %RSD		11.62

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

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

Data File: Y1850.D Y1849.D Y1848.D Y1847.D Y1846.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1262			8.55				8.43	8.67
Aroclor-1262 {2}			9.41				9.29	9.53
Aroclor-1262 {3}			10.04				9.92	10.16
Aroclor-1262 {4}			10.13				10.01	10.25
Aroclor-1262 {5}			10.95				10.83	11.07
Aroclor-1268			10.04				9.92	10.16
Aroclor-1268 {2}			10.12				10.00	10.24
Aroclor-1268 {3}			10.59				10.47	10.71
Aroclor-1268 {4}			11.55				11.43	11.67
Aroclor-1268 {5}			12.04				11.92	12.16

GC Column (2nd): DB-1701P

Data File: Y1850.C Y1849.C Y1848.C Y1847.C Y1846.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1262			9.70				9.58	9.82
Aroclor-1262 {2}			10.20				10.08	10.32
Aroclor-1262 {3}			10.70				10.58	10.82
Aroclor-1262 {4}			10.79				10.67	10.91
Aroclor-1262 {5}			11.39				11.27	11.51
Aroclor-1268			10.70				10.58	10.82
Aroclor-1268 {2}			10.78				10.66	10.90
Aroclor-1268 {3}			11.04				10.92	11.16
Aroclor-1268 {4}			12.25				12.13	12.37
Aroclor-1268 {5}			12.48				12.36	12.60

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y1850.D Y1849.D Y1848.D Y1847.D Y1846.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			1292916				
Aroclor-1262 {2}			2408782				
Aroclor-1262 {3}			950819				
Aroclor-1262 {4}			1039798				
Aroclor-1262 {5}			871465				
Aroclor-1268			2329028				
Aroclor-1268 {2}			2439244				
Aroclor-1268 {3}			1975765				
Aroclor-1268 {4}			5596247				
Aroclor-1268 {5}			3165388				

GC Column (2nd): DB-1701P

Data File: Y1850.C Y1849.C Y1848.C Y1847.C Y1846.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			2532606				
Aroclor-1262 {2}			5716193				
Aroclor-1262 {3}			2058727				
Aroclor-1262 {4}			4020600				
Aroclor-1262 {5}			980018				
Aroclor-1268			5861773				
Aroclor-1268 {2}			6124826				
Aroclor-1268 {3}			5049165				
Aroclor-1268 {4}			14509441				
Aroclor-1268 {5}			8286384				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/01/2013 **Instrument ID:** GC-Y

Data File: Y1919.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.23	3.16	3.30	394332	399850	1.40
Aroclor-1016 {2}	4.05	3.98	4.12	546451	540277	1.13
Aroclor-1016 {3}	4.60	4.53	4.67	687780	690020	0.33
Aroclor-1016 {4}	5.11	5.03	5.17	331025	358387	8.27
Aroclor-1016 {5}	5.50	5.42	5.56	562872	560163	0.48
Aroclor-1260	8.27	7.36	9.16	1606726	1424488	11.34
Aroclor-1260 {2}	8.94	8.04	9.84	759119	650070	14.37
Aroclor-1260 {3}	9.41	8.51	10.31	1826305	1544580	15.43
Aroclor-1260 {4}	9.89	8.99	10.79	952284	814440	14.48
Aroclor-1260 {5}	10.95	10.05	11.85	412992	362990	12.11

Data File: Y1919.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.76	3.69	3.83	731183	775221	6.02
Aroclor-1016 {2}	4.36	4.29	4.43	1586125	1729271	9.02
Aroclor-1016 {3}	5.11	5.04	5.18	3717574	3912299	5.24
Aroclor-1016 {4}	5.32	5.25	5.39	1636714	1690276	3.27
Aroclor-1016 {5}	5.49	5.42	5.56	1271295	1316482	3.55
Aroclor-1260	7.86	6.95	8.75	1372418	1303539	5.02
Aroclor-1260 {2}	8.11	7.21	9.01	1997230	1830421	8.35
Aroclor-1260 {3}	9.70	8.80	10.60	1723918	1488134	13.68
Aroclor-1260 {4}	10.20	9.30	11.10	3804274	3280873	13.76
Aroclor-1260 {5}	10.79	9.89	11.69	2719408	2309509	15.07

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/01/2013 **Instrument ID:** GC-Y

Data File: Y1931.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.23	3.16	3.30	394332	393578	0.19
Aroclor-1016 {2}	4.05	3.98	4.12	546451	541894	0.83
Aroclor-1016 {3}	4.60	4.53	4.67	687780	686227	0.23
Aroclor-1016 {4}	5.10	5.03	5.17	331025	361972	9.35
Aroclor-1016 {5}	5.50	5.42	5.56	562872	569883	1.25
Aroclor-1260	8.27	7.36	9.16	1606726	1501380	6.56
Aroclor-1260 {2}	8.94	8.04	9.84	759119	697859	8.07
Aroclor-1260 {3}	9.41	8.51	10.31	1826305	1658994	9.16
Aroclor-1260 {4}	9.89	8.99	10.79	952284	867311	8.92
Aroclor-1260 {5}	10.95	10.05	11.85	412992	354265	14.22

Data File: Y1931.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.76	3.69	3.83	731183	842004	15.16
Aroclor-1016 {2}	4.36	4.29	4.43	1586125	1767993	11.47
Aroclor-1016 {3}	5.11	5.04	5.18	3717574	3993940	7.43
Aroclor-1016 {4}	5.32	5.25	5.39	1636714	1736753	6.11
Aroclor-1016 {5}	5.49	5.42	5.56	1271295	1363766	7.27
Aroclor-1260	7.85	6.95	8.75	1372418	1437537	4.74
Aroclor-1260 {2}	8.11	7.21	9.01	1997230	2025382	1.41
Aroclor-1260 {3}	9.70	8.80	10.60	1723918	1648789	4.36
Aroclor-1260 {4}	10.20	9.30	11.10	3804274	3610240	5.10
Aroclor-1260 {5}	10.79	9.89	11.69	2719408	2555339	6.03

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

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

Data File: Y1850.D Y1849.D Y1848.D Y1847.D Y1846.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.23	3.23	3.23	3.23	3.23	3.23	3.16	3.30
Aroclor-1016 {2}	4.05	4.05	4.05	4.05	4.05	4.05	3.98	4.12
Aroclor-1016 {3}	4.60	4.60	4.60	4.60	4.60	4.60	4.53	4.67
Aroclor-1016 {4}	5.10	5.10	5.10	5.10	5.10	5.10	5.03	5.17
Aroclor-1016 {5}	5.49	5.49	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.14				2.07	2.21
Aroclor-1221 {2}			3.02				2.95	3.09
Aroclor-1221 {3}			3.15				3.08	3.22
Aroclor-1221 {4}			3.22				3.15	3.29
Aroclor-1221 {5}			3.81				3.74	3.88
Aroclor-1232			3.23				3.16	3.30
Aroclor-1232 {2}			4.05				3.98	4.12
Aroclor-1232 {3}			4.71				4.64	4.78
Aroclor-1232 {4}			5.30				5.23	5.37
Aroclor-1232 {5}			5.49				5.42	5.56
Aroclor-1242			4.05				3.98	4.12
Aroclor-1242 {2}			4.98				4.91	5.05
Aroclor-1242 {3}			5.30				5.23	5.37
Aroclor-1242 {4}			5.99				5.92	6.06
Aroclor-1242 {5}			6.26				6.19	6.33
Aroclor-1248			4.45				4.37	4.53
Aroclor-1248 {2}			4.98				4.90	5.06
Aroclor-1248 {3}			5.30				5.22	5.38
Aroclor-1248 {4}			5.99				5.91	6.07
Aroclor-1248 {5}			6.27				6.19	6.35
Aroclor-1254			6.39				6.31	6.47
Aroclor-1254 {2}			6.82				6.74	6.90
Aroclor-1254 {3}			6.99				6.90	7.08
Aroclor-1254 {4}			7.42				7.33	7.51
Aroclor-1254 {5}			8.26				8.17	8.35
Aroclor-1260	8.26	8.26	8.26	8.26	8.26	8.26	7.36	9.16
Aroclor-1260 {2}	8.94	8.94	8.94	8.94	8.93	8.94	8.04	9.84
Aroclor-1260 {3}	9.41	9.41	9.41	9.41	9.41	9.41	8.51	10.31
Aroclor-1260 {4}	9.89	9.89	9.89	9.89	9.89	9.89	8.99	10.79
Aroclor-1260 {5}	10.95	10.95	10.95	10.95	10.95	10.95	10.05	11.85

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

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

Data File: Y1850.D Y1849.D Y1848.D Y1847.D Y1846.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	464323	441679	382895	349177	333589	394332	14.46
Aroclor-1016 {2}	631313	643566	521731	477189	458454	546451	15.79
Aroclor-1016 {3}	806143	774449	662509	606621	589177	687780	14.26
Aroclor-1016 {4}	363540	363516	332688	305606	289774	331025	10.09
Aroclor-1016 {5}	628860	642038	551930	503774	487757	562872	12.52
Aroclor-1221			199877				
Aroclor-1221 {2}			313557				
Aroclor-1221 {3}			198732				
Aroclor-1221 {4}			681302				
Aroclor-1221 {5}			164392				
Aroclor-1232			508390				
Aroclor-1232 {2}			304333				
Aroclor-1232 {3}			272852				
Aroclor-1232 {4}			292921				
Aroclor-1232 {5}			379208				
Aroclor-1242			445331				
Aroclor-1242 {2}			289404				
Aroclor-1242 {3}			394283				
Aroclor-1242 {4}			595594				
Aroclor-1242 {5}			525307				
Aroclor-1248			1072563				
Aroclor-1248 {2}			618287				
Aroclor-1248 {3}			795414				
Aroclor-1248 {4}			1263310				
Aroclor-1248 {5}			998553				
Aroclor-1254			1250957				
Aroclor-1254 {2}			821044				
Aroclor-1254 {3}			1480779				
Aroclor-1254 {4}			1606933				
Aroclor-1254 {5}			1429697				
Aroclor-1260	1799563	1887490	1561779	1407648	1377152	1606726	14.27
Aroclor-1260 {2}	884011	896189	732678	641350	641368	759119	16.51
Aroclor-1260 {3}	2064481	2110924	1815054	1604501	1536563	1826305	14.25
Aroclor-1260 {4}	982911	1147466	964107	838195	828743	952284	13.64
Aroclor-1260 {5}	415694	477377	462681	369882	339327	412992	14.28
						Average %RSD	14.01

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-Y
GC Column (2nd): DB-1701P

Data File: Y1850.C Y1849.C Y1848.C Y1847.C Y1846.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.76	3.76	3.76	3.76	3.76	3.76	3.69	3.83
Aroclor-1016 {2}	4.36	4.36	4.36	4.36	4.36	4.36	4.29	4.43
Aroclor-1016 {3}	5.11	5.11	5.11	5.11	5.11	5.11	5.04	5.18
Aroclor-1016 {4}	5.32	5.32	5.32	5.32	5.32	5.32	5.25	5.39
Aroclor-1016 {5}	5.49	5.49	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.44				2.37	2.51
Aroclor-1221 {2}			3.44				3.37	3.51
Aroclor-1221 {3}			3.67				3.60	3.74
Aroclor-1221 {4}			3.77				3.70	3.84
Aroclor-1221 {5}			5.11				5.04	5.18
Aroclor-1232			3.76				3.69	3.83
Aroclor-1232 {2}			4.74				4.67	4.81
Aroclor-1232 {3}			5.32				5.25	5.39
Aroclor-1232 {4}			5.49				5.42	5.56
Aroclor-1232 {5}			6.09				6.02	6.16
Aroclor-1242			4.74				4.67	4.81
Aroclor-1242 {2}			5.49				5.42	5.56
Aroclor-1242 {3}			6.09				6.02	6.16
Aroclor-1242 {4}			6.24				6.17	6.31
Aroclor-1242 {5}			6.79				6.72	6.86
Aroclor-1248			5.11				5.03	5.19
Aroclor-1248 {2}			5.69				5.61	5.77
Aroclor-1248 {3}			6.09				6.01	6.17
Aroclor-1248 {4}			6.24				6.16	6.32
Aroclor-1248 {5}			6.59				6.51	6.67
Aroclor-1254			7.09				7.01	7.17
Aroclor-1254 {2}			7.67				7.59	7.75
Aroclor-1254 {3}			8.29				8.20	8.38
Aroclor-1254 {4}			8.51				8.42	8.60
Aroclor-1254 {5}			9.10				9.01	9.19
Aroclor-1260	7.85	7.85	7.85	7.85	7.85	7.85	6.95	8.75
Aroclor-1260 {2}	8.11	8.11	8.11	8.11	8.11	8.11	7.21	9.01
Aroclor-1260 {3}	9.70	9.70	9.70	9.70	9.70	9.70	8.80	10.60
Aroclor-1260 {4}	10.20	10.20	10.20	10.20	10.20	10.20	9.30	11.10
Aroclor-1260 {5}	10.79	10.79	10.79	10.79	10.79	10.79	9.89	11.69

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-Y
GC Column (2nd): DB-1701P

Data File: Y1850.C Y1849.C Y1848.C Y1847.C Y1846.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	840261	856585	714298	646843	597927	731183	15.71
Aroclor-1016 {2}	1833596	1816776	1547682	1378645	1353928	1586125	14.54
Aroclor-1016 {3}	4371716	4236799	3569561	3258945	3150851	3717574	15.04
Aroclor-1016 {4}	1871668	1849704	1597815	1454198	1410182	1636714	13.20
Aroclor-1016 {5}	1442767	1421476	1238979	1138128	1115123	1271295	12.13
Aroclor-1221			340703				
Aroclor-1221 {2}			617655				
Aroclor-1221 {3}			417322				
Aroclor-1221 {4}			1522237				
Aroclor-1221 {5}			291032				
Aroclor-1232			973678				
Aroclor-1232 {2}			425526				
Aroclor-1232 {3}			940006				
Aroclor-1232 {4}			735287				
Aroclor-1232 {5}			1002709				
Aroclor-1242			611221				
Aroclor-1242 {2}			1032956				
Aroclor-1242 {3}			1271440				
Aroclor-1242 {4}			1106793				
Aroclor-1242 {5}			2184386				
Aroclor-1248			2396754				
Aroclor-1248 {2}			3539345				
Aroclor-1248 {3}			2550731				
Aroclor-1248 {4}			2230079				
Aroclor-1248 {5}			1294923				
Aroclor-1254			2883717				
Aroclor-1254 {2}			2180898				
Aroclor-1254 {3}			1865030				
Aroclor-1254 {4}			1138169				
Aroclor-1254 {5}			2980480				
Aroclor-1260	1380266	1597791	1348190	1285120	1250722	1372418	9.90
Aroclor-1260 {2}	2170235	2320146	1904498	1826388	1764884	1997230	11.90
Aroclor-1260 {3}	1830758	1876902	1742155	1590179	1579596	1723918	7.88
Aroclor-1260 {4}	3775292	4234437	3909868	3531301	3570473	3804274	7.51
Aroclor-1260 {5}	2569926	3071676	2828424	2567649	2559367	2719408	8.36
						Average %RSD	11.62

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

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

Data File: Y1850.D Y1849.D Y1848.D Y1847.D Y1846.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1262			8.55				8.43	8.67
Aroclor-1262 {2}			9.41				9.29	9.53
Aroclor-1262 {3}			10.04				9.92	10.16
Aroclor-1262 {4}			10.13				10.01	10.25
Aroclor-1262 {5}			10.95				10.83	11.07
Aroclor-1268			10.04				9.92	10.16
Aroclor-1268 {2}			10.12				10.00	10.24
Aroclor-1268 {3}			10.59				10.47	10.71
Aroclor-1268 {4}			11.55				11.43	11.67
Aroclor-1268 {5}			12.04				11.92	12.16

GC Column (2nd): DB-1701P

Data File: Y1850.C Y1849.C Y1848.C Y1847.C Y1846.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1262			9.70				9.58	9.82
Aroclor-1262 {2}			10.20				10.08	10.32
Aroclor-1262 {3}			10.70				10.58	10.82
Aroclor-1262 {4}			10.79				10.67	10.91
Aroclor-1262 {5}			11.39				11.27	11.51
Aroclor-1268			10.70				10.58	10.82
Aroclor-1268 {2}			10.78				10.66	10.90
Aroclor-1268 {3}			11.04				10.92	11.16
Aroclor-1268 {4}			12.25				12.13	12.37
Aroclor-1268 {5}			12.48				12.36	12.60

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y1850.D Y1849.D Y1848.D Y1847.D Y1846.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			1292916				
Aroclor-1262 {2}			2408782				
Aroclor-1262 {3}			950819				
Aroclor-1262 {4}			1039798				
Aroclor-1262 {5}			871465				
Aroclor-1268			2329028				
Aroclor-1268 {2}			2439244				
Aroclor-1268 {3}			1975765				
Aroclor-1268 {4}			5596247				
Aroclor-1268 {5}			3165388				

GC Column (2nd): DB-1701P

Data File: Y1850.C Y1849.C Y1848.C Y1847.C Y1846.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			2532606				
Aroclor-1262 {2}			5716193				
Aroclor-1262 {3}			2058727				
Aroclor-1262 {4}			4020600				
Aroclor-1262 {5}			980018				
Aroclor-1268			5861773				
Aroclor-1268 {2}			6124826				
Aroclor-1268 {3}			5049165				
Aroclor-1268 {4}			14509441				
Aroclor-1268 {5}			8286384				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/02/2013 **Instrument ID:** GC-Y

Data File: Y1932.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.16	3.30	394332	386063	2.10
Aroclor-1016 {2}	4.05	3.98	4.12	546451	527067	3.55
Aroclor-1016 {3}	4.60	4.53	4.67	687780	657497	4.40
Aroclor-1016 {4}	5.10	5.03	5.17	331025	343526	3.78
Aroclor-1016 {5}	5.49	5.42	5.56	562872	537552	4.50
Aroclor-1260	8.26	7.36	9.16	1606726	1429537	11.03
Aroclor-1260 {2}	8.94	8.04	9.84	759119	665531	12.33
Aroclor-1260 {3}	9.41	8.51	10.31	1826305	1544072	15.45
Aroclor-1260 {4}	9.89	8.99	10.79	952284	826042	13.26
Aroclor-1260 {5}	10.95	10.05	11.85	412992	335832	18.68

Data File: Y1932.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.77	3.69	3.83	731183	821288	12.32
Aroclor-1016 {2}	4.37	4.29	4.43	1586125	1661921	4.78
Aroclor-1016 {3}	5.12	5.04	5.18	3717574	3824450	2.87
Aroclor-1016 {4}	5.33	5.25	5.39	1636714	1624611	0.74
Aroclor-1016 {5}	5.50	5.42	5.56	1271295	1286047	1.16
Aroclor-1260	7.86	6.95	8.75	1372418	1341995	2.22
Aroclor-1260 {2}	8.12	7.21	9.01	1997230	1896198	5.06
Aroclor-1260 {3}	9.71	8.80	10.60	1723918	1558441	9.60
Aroclor-1260 {4}	10.21	9.30	11.10	3804274	3342315	12.14
Aroclor-1260 {5}	10.80	9.89	11.69	2719408	2327719	14.40

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/02/2013 **Instrument ID:** GC-Y

Data File: Y1948.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.23	3.16	3.30	394332	356191	9.67
Aroclor-1016 {2}	4.05	3.98	4.12	546451	491263	10.10
Aroclor-1016 {3}	4.60	4.53	4.67	687780	617099	10.28
Aroclor-1016 {4}	5.10	5.03	5.17	331025	323614	2.24
Aroclor-1016 {5}	5.50	5.42	5.56	562872	510082	9.38
Aroclor-1260	8.27	7.36	9.16	1606726	1366509	14.95
Aroclor-1260 {2}	8.94	8.04	9.84	759119	630170	16.99
Aroclor-1260 {3}	9.41	8.51	10.31	1826305	1528079	16.33
Aroclor-1260 {4}	9.89	8.99	10.79	952284	800363	15.95
Aroclor-1260 {5}	10.95	10.05	11.85	412992	386930	6.31

Data File: Y1948.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.76	3.69	3.83	731183	700524	4.19
Aroclor-1016 {2}	4.36	4.29	4.43	1586125	1570614	0.98
Aroclor-1016 {3}	5.11	5.04	5.18	3717574	3576843	3.79
Aroclor-1016 {4}	5.32	5.25	5.39	1636714	1536604	6.12
Aroclor-1016 {5}	5.49	5.42	5.56	1271295	1212791	4.60
Aroclor-1260	7.85	6.95	8.75	1372418	1334934	2.73
Aroclor-1260 {2}	8.11	7.21	9.01	1997230	1878237	5.96
Aroclor-1260 {3}	9.70	8.80	10.60	1723918	1542544	10.52
Aroclor-1260 {4}	10.20	9.30	11.10	3804274	3392843	10.81
Aroclor-1260 {5}	10.79	9.89	11.69	2719408	2345229	13.76

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/02/2013 **Instrument ID:** GC-Y

Data File: Y1966.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.23	3.16	3.30	394332	354230	10.17
Aroclor-1016 {2}	4.05	3.98	4.12	546451	488569	10.59
Aroclor-1016 {3}	4.60	4.53	4.67	687780	612902	10.89
Aroclor-1016 {4}	5.10	5.03	5.17	331025	317499	4.09
Aroclor-1016 {5}	5.50	5.42	5.56	562872	502661	10.70
Aroclor-1260	8.26	7.36	9.16	1606726	1385255	13.78
Aroclor-1260 {2}	8.94	8.04	9.84	759119	627578	17.33
Aroclor-1260 {3}	9.41	8.51	10.31	1826305	1506840	17.49
Aroclor-1260 {4}	9.89	8.99	10.79	952284	813205	14.60
Aroclor-1260 {5}	10.95	10.05	11.85	412992	346836	16.02

Data File: Y1966.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.76	3.69	3.83	731183	815619	11.55
Aroclor-1016 {2}	4.36	4.29	4.43	1586125	1598667	0.79
Aroclor-1016 {3}	5.11	5.04	5.18	3717574	3640273	2.08
Aroclor-1016 {4}	5.32	5.25	5.39	1636714	1555787	4.94
Aroclor-1016 {5}	5.49	5.42	5.56	1271295	1230103	3.24
Aroclor-1260	7.85	6.95	8.75	1372418	1372402	0.00
Aroclor-1260 {2}	8.11	7.21	9.01	1997230	1948181	2.46
Aroclor-1260 {3}	9.70	8.80	10.60	1723918	1592933	7.60
Aroclor-1260 {4}	10.20	9.30	11.10	3804274	3529983	7.21
Aroclor-1260 {5}	10.79	9.89	11.69	2719408	2507711	7.78

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

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

Data File: R4398.D R4397.D R4396.D R4395.D R4394.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.20	3.20	3.20	3.20	3.20	3.20	3.13	3.27
Aroclor-1016 {2}	4.03	4.03	4.03	4.03	4.03	4.03	3.96	4.10
Aroclor-1016 {3}	4.59	4.59	4.59	4.59	4.59	4.59	4.52	4.66
Aroclor-1016 {4}	5.10	5.10	5.09	5.09	5.09	5.09	5.02	5.16
Aroclor-1016 {5}	5.49	5.49	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.11				2.04	2.18
Aroclor-1221 {2}			3.00				2.93	3.07
Aroclor-1221 {3}			3.13				3.06	3.20
Aroclor-1221 {4}			3.20				3.13	3.27
Aroclor-1221 {5}			3.80				3.73	3.87
Aroclor-1232			3.20				3.13	3.27
Aroclor-1232 {2}			4.03				3.96	4.10
Aroclor-1232 {3}			4.70				4.63	4.77
Aroclor-1232 {4}			5.30				5.23	5.37
Aroclor-1232 {5}			5.49				5.42	5.56
Aroclor-1242			4.03				3.96	4.10
Aroclor-1242 {2}			4.98				4.91	5.05
Aroclor-1242 {3}			5.30				5.23	5.37
Aroclor-1242 {4}			6.00				5.93	6.07
Aroclor-1242 {5}			6.28				6.21	6.35
Aroclor-1248			4.44				4.36	4.52
Aroclor-1248 {2}			4.98				4.90	5.06
Aroclor-1248 {3}			5.30				5.22	5.38
Aroclor-1248 {4}			6.00				5.92	6.08
Aroclor-1248 {5}			6.27				6.19	6.35
Aroclor-1254			6.39				6.31	6.47
Aroclor-1254 {2}			6.83				6.75	6.91
Aroclor-1254 {3}			7.00				6.91	7.09
Aroclor-1254 {4}			7.45				7.36	7.54
Aroclor-1254 {5}			8.29				8.20	8.38
Aroclor-1260	8.29	8.29	8.29	8.29	8.29	8.29	7.39	9.19
Aroclor-1260 {2}	8.97	8.97	8.97	8.97	8.96	8.97	8.07	9.87
Aroclor-1260 {3}	9.45	9.45	9.45	9.45	9.45	9.45	8.55	10.35
Aroclor-1260 {4}	9.94	9.94	9.94	9.94	9.93	9.94	9.04	10.84
Aroclor-1260 {5}	11.01	11.01	11.00	11.00	11.00	11.00	10.10	11.90

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

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

Data File: R4398.D R4397.D R4396.D R4395.D R4394.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	238956	238426	221016	197053	206327	220356	8.53
Aroclor-1016 {2}	322859	323495	301808	271511	285729	301080	7.59
Aroclor-1016 {3}	416139	415483	390316	353118	373529	389717	6.98
Aroclor-1016 {4}	184507	199920	185895	164765	172191	181456	7.47
Aroclor-1016 {5}	322867	320546	311488	282232	300555	307538	5.41
Aroclor-1221			114432				
Aroclor-1221 {2}			175472				
Aroclor-1221 {3}			116606				
Aroclor-1221 {4}			409677				
Aroclor-1221 {5}			91214				
Aroclor-1232			299110				
Aroclor-1232 {2}			173564				
Aroclor-1232 {3}			151425				
Aroclor-1232 {4}			169583				
Aroclor-1232 {5}			215217				
Aroclor-1242			271243				
Aroclor-1242 {2}			171172				
Aroclor-1242 {3}			243002				
Aroclor-1242 {4}			368896				
Aroclor-1242 {5}			334402				
Aroclor-1248			645139				
Aroclor-1248 {2}			371041				
Aroclor-1248 {3}			488705				
Aroclor-1248 {4}			791653				
Aroclor-1248 {5}			569723				
Aroclor-1254			752030				
Aroclor-1254 {2}			480900				
Aroclor-1254 {3}			903710				
Aroclor-1254 {4}			935745				
Aroclor-1254 {5}			852809				
Aroclor-1260	809353	853975	887981	812983	880858	849030	4.34
Aroclor-1260 {2}	404014	408219	409739	376288	404609	400574	3.44
Aroclor-1260 {3}	1040454	1052855	1056746	954425	1033313	1027559	4.08
Aroclor-1260 {4}	489784	509425	533411	482655	530867	509228	4.54
Aroclor-1260 {5}	243012	247120	249016	215605	232018	237354	5.83
						Average %RSD	5.82

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-R
GC Column (2nd): DB-1701P

Data File: R4398.C R4397.C R4396.C R4395.C R4394.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.37	3.37	3.37	3.37	3.37	3.37	3.30	3.44
Aroclor-1016 {2}	3.94	3.93	3.94	3.94	3.94	3.94	3.87	4.01
Aroclor-1016 {3}	4.65	4.65	4.65	4.65	4.65	4.65	4.58	4.72
Aroclor-1016 {4}	4.85	4.85	4.85	4.85	4.85	4.85	4.78	4.92
Aroclor-1016 {5}	5.02	5.02	5.02	5.02	5.02	5.02	4.95	5.09
Aroclor-1221			2.16				2.09	2.23
Aroclor-1221 {2}			3.07				3.00	3.14
Aroclor-1221 {3}			3.29				3.22	3.36
Aroclor-1221 {4}			3.38				3.31	3.45
Aroclor-1221 {5}			4.66				4.59	4.73
Aroclor-1232			3.37				3.30	3.44
Aroclor-1232 {2}			4.30				4.23	4.37
Aroclor-1232 {3}			4.85				4.78	4.92
Aroclor-1232 {4}			5.02				4.95	5.09
Aroclor-1232 {5}			5.60				5.53	5.67
Aroclor-1242			4.30				4.23	4.37
Aroclor-1242 {2}			5.02				4.95	5.09
Aroclor-1242 {3}			5.60				5.53	5.67
Aroclor-1242 {4}			5.76				5.69	5.83
Aroclor-1242 {5}			6.29				6.22	6.36
Aroclor-1248			4.65				4.57	4.73
Aroclor-1248 {2}			5.22				5.14	5.30
Aroclor-1248 {3}			5.60				5.52	5.68
Aroclor-1248 {4}			5.76				5.68	5.84
Aroclor-1248 {5}			6.10				6.02	6.18
Aroclor-1254			6.59				6.51	6.67
Aroclor-1254 {2}			7.16				7.08	7.24
Aroclor-1254 {3}			7.59				7.50	7.68
Aroclor-1254 {4}			7.78				7.69	7.87
Aroclor-1254 {5}			8.59				8.50	8.68
Aroclor-1260	7.34	7.34	7.34	7.34	7.34	7.34	6.44	8.24
Aroclor-1260 {2}	7.59	7.59	7.59	7.59	7.59	7.59	6.69	8.49
Aroclor-1260 {3}	9.18	9.18	9.18	9.18	9.18	9.18	8.28	10.08
Aroclor-1260 {4}	9.69	9.69	9.69	9.69	9.69	9.69	8.79	10.59
Aroclor-1260 {5}	10.27	10.28	10.27	10.27	10.27	10.27	9.37	11.17

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-R
GC Column (2nd): DB-1701P

Data File: R4398.C R4397.C R4396.C R4395.C R4394.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	463482	443481	394672	349156	363575	402873	12.30
Aroclor-1016 {2}	972946	914219	800550	715484	745062	829652	13.30
Aroclor-1016 {3}	2003226	1895012	1794128	1625557	1725798	1808744	8.10
Aroclor-1016 {4}	874602	819805	758782	674981	705886	766811	10.64
Aroclor-1016 {5}	649705	630090	577596	516964	546780	584227	9.52
Aroclor-1221			205830				
Aroclor-1221 {2}			317677				
Aroclor-1221 {3}			197191				
Aroclor-1221 {4}			731933				
Aroclor-1221 {5}			137633				
Aroclor-1232			537368				
Aroclor-1232 {2}			201363				
Aroclor-1232 {3}			443054				
Aroclor-1232 {4}			336131				
Aroclor-1232 {5}			472241				
Aroclor-1242			308614				
Aroclor-1242 {2}			520959				
Aroclor-1242 {3}			687939				
Aroclor-1242 {4}			570896				
Aroclor-1242 {5}			1110996				
Aroclor-1248			1196272				
Aroclor-1248 {2}			1787378				
Aroclor-1248 {3}			1279375				
Aroclor-1248 {4}			1156522				
Aroclor-1248 {5}			630416				
Aroclor-1254			1449464				
Aroclor-1254 {2}			1140319				
Aroclor-1254 {3}			744926				
Aroclor-1254 {4}			1087519				
Aroclor-1254 {5}			1595667				
Aroclor-1260	772842	717629	667601	596248	636006	678065	10.20
Aroclor-1260 {2}	1203303	1137574	1003928	894435	938753	1035599	12.67
Aroclor-1260 {3}	918251	908290	856575	776950	839956	860004	6.64
Aroclor-1260 {4}	1869490	1994218	1907750	1702352	1827485	1860259	5.78
Aroclor-1260 {5}	1341947	1427312	1364592	1211105	1295946	1328180	6.08
					Average %RSD		9.52

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

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

Data File: R4398.D R4397.D R4396.D R4395.D R4394.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1262			8.66				8.54	8.78
Aroclor-1262 {2}			9.45				9.33	9.57
Aroclor-1262 {3}			10.08				9.96	10.20
Aroclor-1262 {4}			10.17				10.05	10.29
Aroclor-1262 {5}			11.00				10.88	11.12
Aroclor-1268			10.08				9.96	10.20
Aroclor-1268 {2}			10.16				10.04	10.28
Aroclor-1268 {3}			10.63				10.51	10.75
Aroclor-1268 {4}			10.76				10.64	10.88
Aroclor-1268 {5}			11.60				11.48	11.72

GC Column (2nd): DB-1701P

Data File: R4398.C R4397.C R4396.C R4395.C R4394.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1262			9.17				9.05	9.29
Aroclor-1262 {2}			9.69				9.57	9.81
Aroclor-1262 {3}			10.18				10.06	10.30
Aroclor-1262 {4}			10.27				10.15	10.39
Aroclor-1262 {5}			10.86				10.74	10.98
Aroclor-1268			10.18				10.06	10.30
Aroclor-1268 {2}			10.26				10.14	10.38
Aroclor-1268 {3}			10.50				10.38	10.62
Aroclor-1268 {4}			10.65				10.53	10.77
Aroclor-1268 {5}			11.73				11.61	11.85

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R4398.D R4397.D R4396.D R4395.D R4394.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			412256				
Aroclor-1262 {2}			1603317				
Aroclor-1262 {3}			600064				
Aroclor-1262 {4}			726266				
Aroclor-1262 {5}			562568				
Aroclor-1268			1631126				
Aroclor-1268 {2}			1792929				
Aroclor-1268 {3}			1398759				
Aroclor-1268 {4}			384285				
Aroclor-1268 {5}			4463165				

GC Column (2nd): DB-1701P

Data File: R4398.C R4397.C R4396.C R4395.C R4394.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			1324749				
Aroclor-1262 {2}			3035817				
Aroclor-1262 {3}			967719				
Aroclor-1262 {4}			2127918				
Aroclor-1262 {5}			426507				
Aroclor-1268			2933662				
Aroclor-1268 {2}			3178941				
Aroclor-1268 {3}			2495408				
Aroclor-1268 {4}			657283				
Aroclor-1268 {5}			7870801				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/02/2013 **Instrument ID:** GC-R

Data File: R4525.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.20	3.13	3.27	220356	224926	2.07
Aroclor-1016 {2}	4.03	3.96	4.10	301080	306234	1.71
Aroclor-1016 {3}	4.58	4.52	4.66	389717	391855	0.55
Aroclor-1016 {4}	5.09	5.02	5.16	181456	185887	2.44
Aroclor-1016 {5}	5.49	5.42	5.56	307538	307151	0.13
Aroclor-1260	8.29	7.39	9.19	849030	923759	8.80
Aroclor-1260 {2}	8.96	8.07	9.87	400574	411930	2.83
Aroclor-1260 {3}	9.44	8.55	10.35	1027559	1014283	1.29
Aroclor-1260 {4}	9.93	9.04	10.84	509228	517302	1.59
Aroclor-1260 {5}	10.99	10.10	11.90	237354	209128	11.89

Data File: R4525.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.38	3.30	3.44	402873	429816	6.69
Aroclor-1016 {2}	3.94	3.87	4.01	829652	866212	4.41
Aroclor-1016 {3}	4.66	4.58	4.72	1808744	1923884	6.37
Aroclor-1016 {4}	4.86	4.78	4.92	766811	801063	4.47
Aroclor-1016 {5}	5.03	4.95	5.09	584227	610815	4.55
Aroclor-1260	7.35	6.44	8.24	678065	698097	2.95
Aroclor-1260 {2}	7.60	6.69	8.49	1035599	1067979	3.13
Aroclor-1260 {3}	9.18	8.28	10.08	860004	911762	6.02
Aroclor-1260 {4}	9.68	8.79	10.59	1860259	1874323	0.76
Aroclor-1260 {5}	10.27	9.37	11.17	1328180	1336991	0.66

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/02/2013 **Instrument ID:** GC-R

Data File: R4534.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.20	3.13	3.27	220356	222551	1.00
Aroclor-1016 {2}	4.03	3.96	4.10	301080	300934	0.05
Aroclor-1016 {3}	4.59	4.52	4.66	389717	390160	0.11
Aroclor-1016 {4}	5.09	5.02	5.16	181456	181243	0.12
Aroclor-1016 {5}	5.49	5.42	5.56	307538	304515	0.98
Aroclor-1260	8.29	7.39	9.19	849030	892223	5.09
Aroclor-1260 {2}	8.96	8.07	9.87	400574	402319	0.44
Aroclor-1260 {3}	9.45	8.55	10.35	1027559	1065730	3.71
Aroclor-1260 {4}	9.93	9.04	10.84	509228	552635	8.52
Aroclor-1260 {5}	11.00	10.10	11.90	237354	265215	11.74

Data File: R4534.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.37	3.30	3.44	402873	402126	0.19
Aroclor-1016 {2}	3.93	3.87	4.01	829652	808871	2.50
Aroclor-1016 {3}	4.65	4.58	4.72	1808744	1829665	1.16
Aroclor-1016 {4}	4.85	4.78	4.92	766811	753521	1.73
Aroclor-1016 {5}	5.02	4.95	5.09	584227	576350	1.35
Aroclor-1260	7.34	6.44	8.24	678065	659414	2.75
Aroclor-1260 {2}	7.59	6.69	8.49	1035599	977917	5.57
Aroclor-1260 {3}	9.17	8.28	10.08	860004	902864	4.98
Aroclor-1260 {4}	9.68	8.79	10.59	1860259	2049210	10.16
Aroclor-1260 {5}	10.26	9.37	11.17	1328180	1509212	13.63

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/02/2013 **Instrument ID:** GC-R

Data File: R4555.D **GC Column (1st):** DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.21	3.13	3.27	220356	219552	0.36
Aroclor-1016 {2}	4.04	3.96	4.10	301080	294604	2.15
Aroclor-1016 {3}	4.59	4.52	4.66	389717	377294	3.19
Aroclor-1016 {4}	5.10	5.02	5.16	181456	176015	3.00
Aroclor-1016 {5}	5.49	5.42	5.56	307538	291238	5.30
Aroclor-1260	8.29	7.39	9.19	849030	766199	9.76
Aroclor-1260 {2}	8.97	8.07	9.87	400574	339201	15.32
Aroclor-1260 {3}	9.45	8.55	10.35	1027559	881131	14.25
Aroclor-1260 {4}	9.93	9.04	10.84	509228	451845	11.27
Aroclor-1260 {5}	11.00	10.10	11.90	237354	216383	8.84

Data File: R4555.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.37	3.30	3.44	402873	388635	3.53
Aroclor-1016 {2}	3.93	3.87	4.01	829652	777013	6.34
Aroclor-1016 {3}	4.65	4.58	4.72	1808744	1738464	3.89
Aroclor-1016 {4}	4.85	4.78	4.92	766811	705154	8.04
Aroclor-1016 {5}	5.02	4.95	5.09	584227	542292	7.18
Aroclor-1260	7.34	6.44	8.24	678065	587380	13.37
Aroclor-1260 {2}	7.59	6.69	8.49	1035599	865013	16.47
Aroclor-1260 {3}	9.17	8.28	10.08	860004	721851	16.06
Aroclor-1260 {4}	9.68	8.79	10.59	1860259	1560334	16.12
Aroclor-1260 {5}	10.27	9.37	11.17	1328180	1121938	15.53

PCB RETENTION TIME SHIFT SUMMARY

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

Surrogate RT from initial calibration :

TCMX 1 2.75 **DCB 1** 12.09 **TCMX 2** 2.57 **DCB 2** 11.95

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKA130923-16	09/24/2013	16:40	2.75		12.09		2.57		11.95	
FB091713	09228-008	09/24/2013	16:58	2.75		12.09		2.57		11.95	
EX._WELL	09198-007	09/24/2013	17:15	2.75		12.09		2.57		11.95	
PCB	09198-007MS	09/24/2013	17:33	2.75		12.09		2.57		11.95	
PCB	09198-007MSD	09/24/2013	17:50	2.75		12.09		2.57		11.94	
PCB	LCSA130923-16	09/24/2013	18:08	2.75		12.09		2.57		11.95	

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 2.77 **DCB 1** 12.04 **TCMX 2** 2.90 **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	BLKA130930-19	10/01/2013	14:48	2.77		12.04		2.90		12.49	
PCB	LCSA130930-19	10/01/2013	15:05	2.77		12.04		2.89		12.48	
TW-6/12.04	09464-001	10/01/2013	15:23	2.77		12.04		2.89		12.48	
TW-3/11.81	09464-004	10/01/2013	15:54	2.77		12.04		2.90		12.48	
ES-PTCB-09	09562-001	10/01/2013	16:12	2.77		12.04		2.89		12.48	
ES-PTCB-09	09562-002	10/01/2013	16:29	2.77		12.04		2.89		12.48	
FB-9	09369-014	10/01/2013	16:47	2.77		12.04		2.89		12.48	
FB-10	09406-022	10/01/2013	17:04	2.77		12.04		2.89		12.48	
FB-11	09441-012	10/01/2013	17:21	2.77		12.04		2.89		12.48	
FB-12	09481-018	10/01/2013	17:39	2.77		12.04		2.89		12.48	
FB-13	09542-014	10/01/2013	17:56	2.77		12.04		2.89		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 2.77 **DCB 1** 12.04 **TCMX 2** 2.89 **DCB 2** 12.48

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS131001-07	10/02/2013	11:18	2.77		12.04		2.89		12.48	
C-1	09436-001	10/02/2013	11:35	2.77		12.04		2.89		12.48	
C-2	09436-002	10/02/2013	11:53	2.77		12.04		2.89		12.48	
R-49(0-1.0	09441-001	10/02/2013	12:10	2.77		12.04		2.89		12.48	
R-49(1.0-2	09441-002	10/02/2013	12:27	2.77		12.04		2.89		12.48	
PCB	09441-002MSD	10/02/2013	13:02	2.77		12.04		2.89		12.48	
PCB	LCSS131001-07	10/02/2013	13:19	2.77		12.04		2.89		12.48	
PCB	09441-002MS	10/02/2013	14:33	2.77		12.04		2.89		12.48	
R-48R(1.0-	09441-004	10/02/2013	16:22	2.77		12.04		2.89		12.48	
S-49(0-1.0	09441-005	10/02/2013	16:39	2.77		12.04		2.89		12.48	
S-49(1.0-2	09441-006	10/02/2013	16:56	2.77		12.04		2.89		12.48	
S-48(0-1.0	09441-007	10/02/2013	17:14	2.77		12.04		2.89		12.48	
S-48(1.0-2	09441-008	10/02/2013	17:31	2.77		12.04		2.89		12.48	
U-45N(2)(5	09441-009	10/02/2013	17:49	2.77		12.04		2.89		12.48	
V-44N(4.0-	09441-010	10/02/2013	18:06	2.77		12.04		2.89		12.48	
V-44N(5.0-	09441-011	10/02/2013	18:24	2.77		12.04		2.89		12.48	
Q-49_(0-1.	09481-001	10/02/2013	18:41	2.77		12.04		2.89		12.48	
Q-49_(1.0-	09481-002	10/02/2013	18:59	2.77		12.04		2.89		12.48	
Q-50_(0-1.	09481-003	10/02/2013	19:16	2.77		12.04		2.89		12.48	
Q-50_(1.0-	09481-004	10/02/2013	19:33	2.77		12.04		2.89		12.48	
P-49_(0-1.	09481-005	10/02/2013	19:51	2.77		12.04		2.89		12.48	
P-49_(1.0-	09481-006	10/02/2013	20:08	2.77		12.04		2.89		12.48	
P-50_(0-1.	09481-007	10/02/2013	20:26	2.77		12.04		2.89		12.48	
R-48R(0-1.	09441-003	10/02/2013	20:43	2.77		12.04		2.89		12.48	

Surrogate QC Limits

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

DCB = Decachlorobiphenyl (± 0.10 Minutes)

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

PCB RETENTION TIME SHIFT SUMMARY

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

Surrogate RT from initial calibration :

TCMX 1 2.74 **DCB 1** 12.08 **TCMX 2** 2.56 **DCB 2** 11.94

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS131001-08	10/02/2013	08:22	2.74		12.08		2.56		11.94	
P-50_(1.0-	09481-008	10/02/2013	08:47	2.74		12.08		2.57		11.94	
PCB	09481-008MS	10/02/2013	09:04	2.74		12.08		2.56		11.94	
PCB	09481-008MSD	10/02/2013	09:22	2.74		12.08		2.56		11.94	
PCB	LCSS131001-08	10/02/2013	09:39	2.74		12.09		2.56		11.94	
O-48_(0-1.	09481-009	10/02/2013	10:14	2.74		12.08		2.56		11.93	
O-48_(2.0-	09481-011	10/02/2013	10:49	2.74		12.08		2.56		11.93	
O-48_(3.0-	09481-012	10/02/2013	11:07	2.74		12.08		2.56		11.94	
S-50_(0-1.	09481-013	10/02/2013	11:24	2.74		12.08		2.56		11.94	
S-50_(1.0-	09481-014	10/02/2013	11:42	2.74		12.09		2.56		11.94	
R-50_(0-1.	09481-015	10/02/2013	11:59	2.74		12.09		2.56		11.94	
R-50_(1.0-	09481-016	10/02/2013	12:17	2.74		12.08		2.56		11.94	
U-45_(4.0-	09481-017	10/02/2013	12:34	2.74		12.09		2.56		11.94	
BB-46(0-1.	09542-001	10/02/2013	13:27	2.74		12.08		2.56		11.94	
BB-46(1.0-	09542-002	10/02/2013	13:44	2.74		12.08		2.56		11.94	
AA-46(0-1.	09542-003	10/02/2013	14:02	2.74		12.08		2.56		11.94	
AA-46(1.0-	09542-004	10/02/2013	14:19	2.74		12.08		2.56		11.94	
V-48(0-1.0	09542-005	10/02/2013	14:36	2.74		12.08		2.56		11.94	
V-48(1.0-2	09542-006	10/02/2013	14:54	2.74		12.09		2.56		11.94	
U-48(0-1.0	09542-007	10/02/2013	15:11	2.74		12.08		2.56		11.94	
U-48(1.0-2	09542-008	10/02/2013	15:29	2.74		12.08		2.56		11.94	
T-48(0-1.0	09542-009	10/02/2013	15:46	2.74		12.08		2.56		11.94	
T-48(1.0-2	09542-010	10/02/2013	16:04	2.74		12.08		2.56		11.94	
O-48_(1.0-	09481-010	10/02/2013	16:21	2.74		12.08		2.57		11.94	

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\10-02-13\
Data File : Y1958.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 18:41
Operator : NG
Sample : Q-49_(0-1.,09481-001,S,5.06g,82.7,10/01/13,4
Misc : 131001-07,09/26/13,09/26/13,1
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 11:48:48 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial 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	2.77	2.89	4811.3E6	10352.3E6	260.596	281.894
Spiked Amount 200.000			Recovery	=	130.30%	140.95%
2) S DCB	12.04	12.48	1487.9E6	3393.4E6	241.424	262.710
Spiked Amount 200.000			Recovery	=	120.71%	131.35%
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

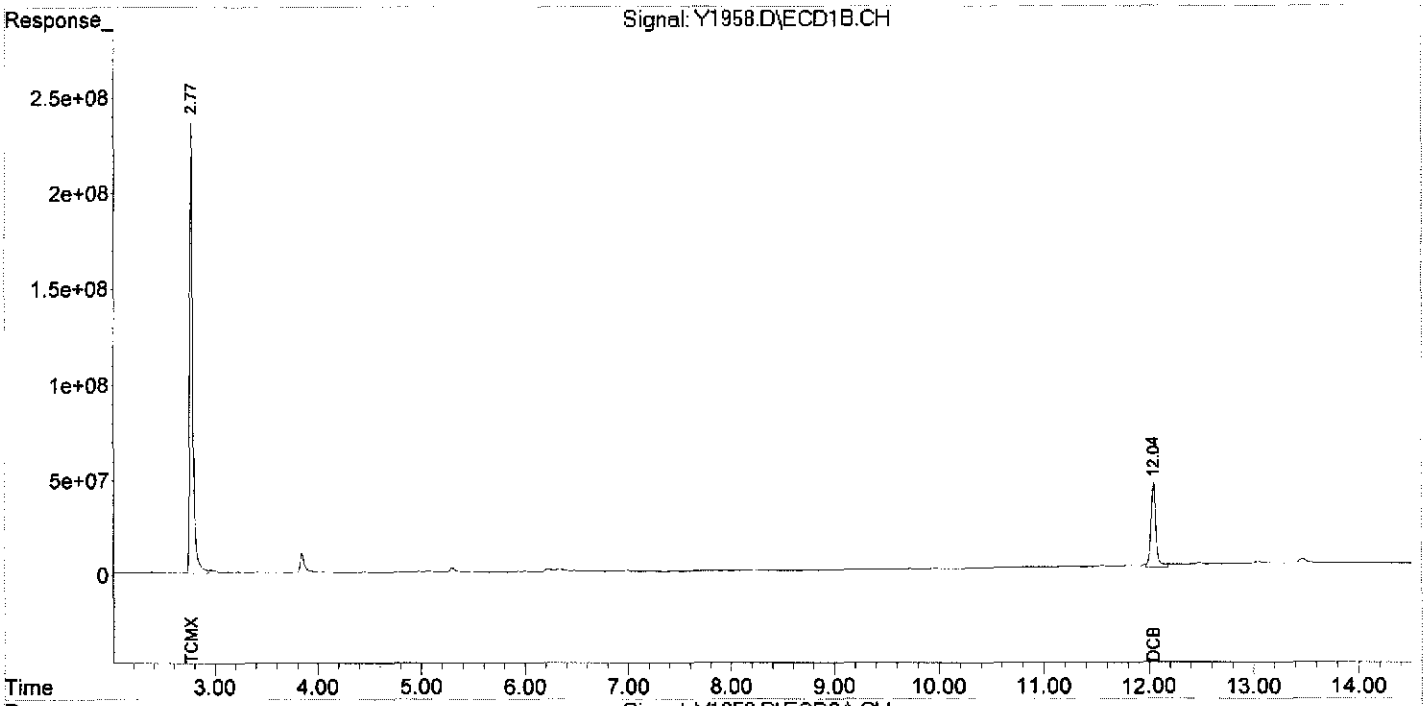
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

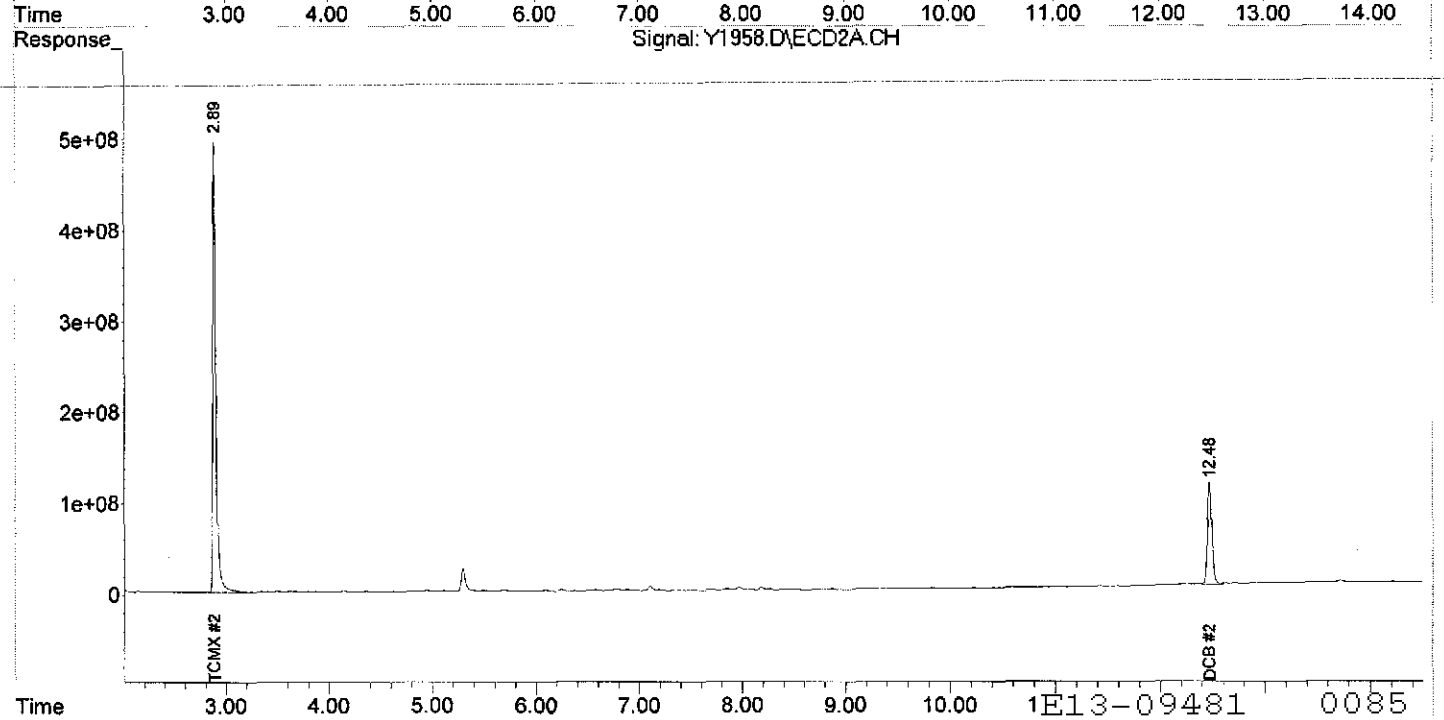
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : Y1958.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 18:41
Operator : NG
Sample : Q-49_(0-1.,09481-001,S,5.06g,82.7,10/01/13,4
Misc : 131001-07,09/26/13,09/26/13,1
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 11:48:48 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial 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\10-02-13\
Data File : Y1959.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 18:59
Operator : NG
Sample : Q-49_(1.0-,09481-002,S,5.87g,28.2,10/01/13,4
Misc : 131001-07,09/26/13,09/26/13,1
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 10:07:40 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial 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	2.77	2.89	4019.0E6	8306.2E6	217.684	226.178
Spiked Amount 200.000			Recovery	=	108.84%	113.09%
2) S DCB	12.04	12.48	1117.3E6	2824.6E6	181.296	218.677
Spiked Amount 200.000			Recovery	=	90.65%	109.34%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

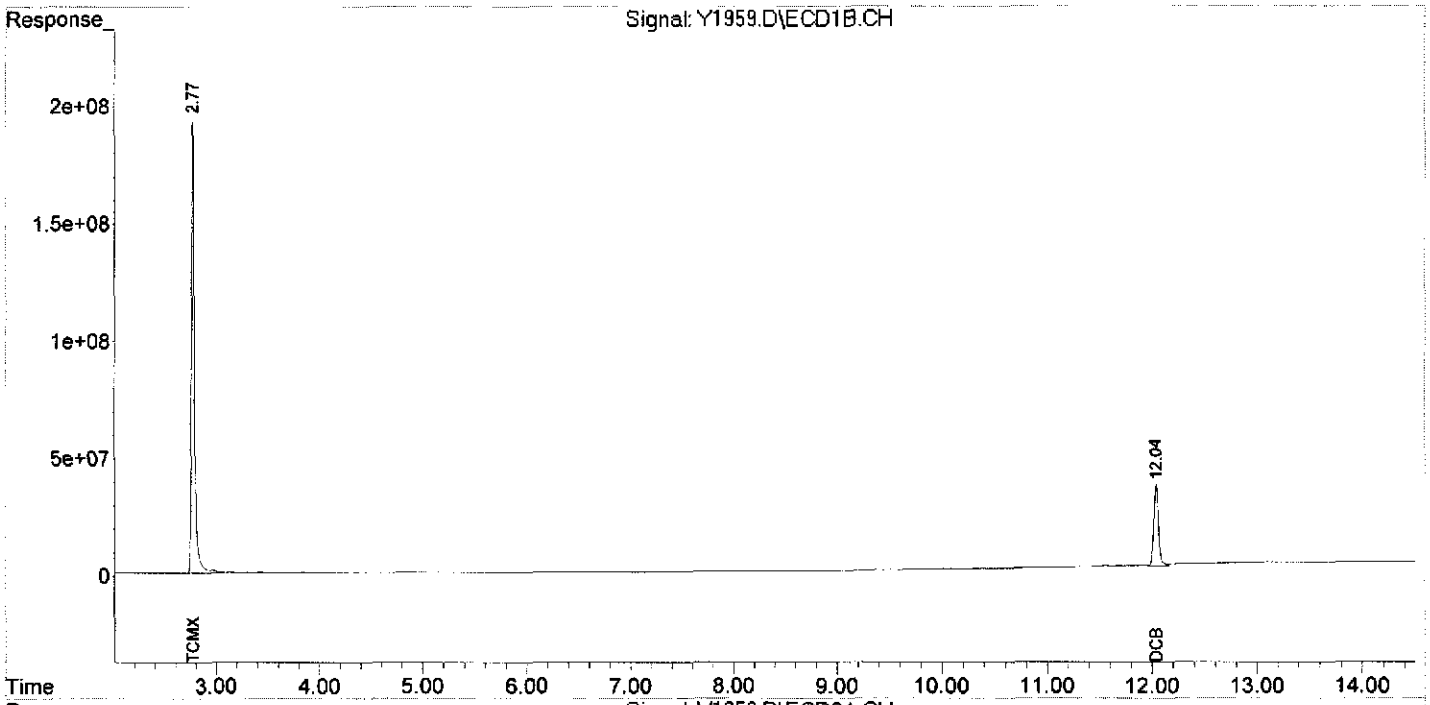
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

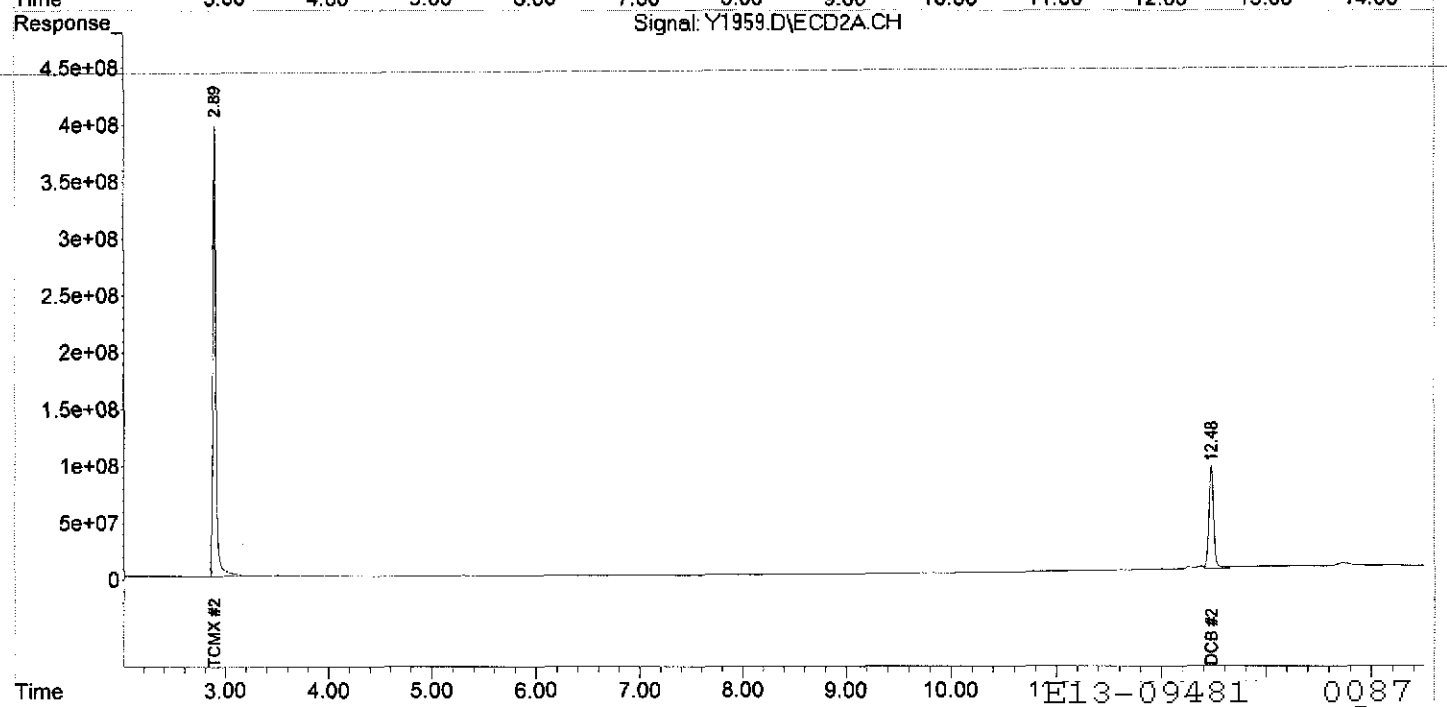
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : Y1959.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 18:59
Operator : NG
Sample : Q-49_(1.0-,09481-002,S,5.87g,28.2,10/01/13,4
Misc : 131001-07,09/26/13,09/26/13,1
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 10:07:40 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial 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\10-02-13\
Data File : Y1960.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 19:16
Operator : NG
Sample : Q-50_(0-1.,09481-003,S,5.40g,31.8,10/01/13,4
Misc : 131001-07,09/26/13,09/26/13,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 11:49:28 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial 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	2.77	2.89	4134.8E6	8562.0E6	223.954	233.143
Spiked Amount 200.000			Recovery	=	111.98%	116.57%
2) S DCB	12.04	12.48	1195.5E6	2872.3E6	193.977	222.369
Spiked Amount 200.000			Recovery	=	96.99%	111.18%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
28) L7 Aroclor-1254	6.39	7.08	20107608	131.9E6	16.074	45.751m#
29) L7 Aroclor-1254 {2}	6.83	7.70	15122337	114.8E6	18.418	52.628 #
30) L7 Aroclor-1254 {3}	6.99	8.32	30104480	96144812	20.330	51.551m#
31) L7 Aroclor-1254 {4}	7.43	8.51	45231316	45494994	28.148	39.972 #
~~32) L7 Aroclor-1254 {5}~~	~~8.26~~	~~0.00~~	~~43142183~~	~~0~~	~~30.176~~	~~N.D. d#~~
Sum Aroclor-1254			153.7E6	388.3E6	113.146	189.902
Average Aroclor-1254					22.629	47.476
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

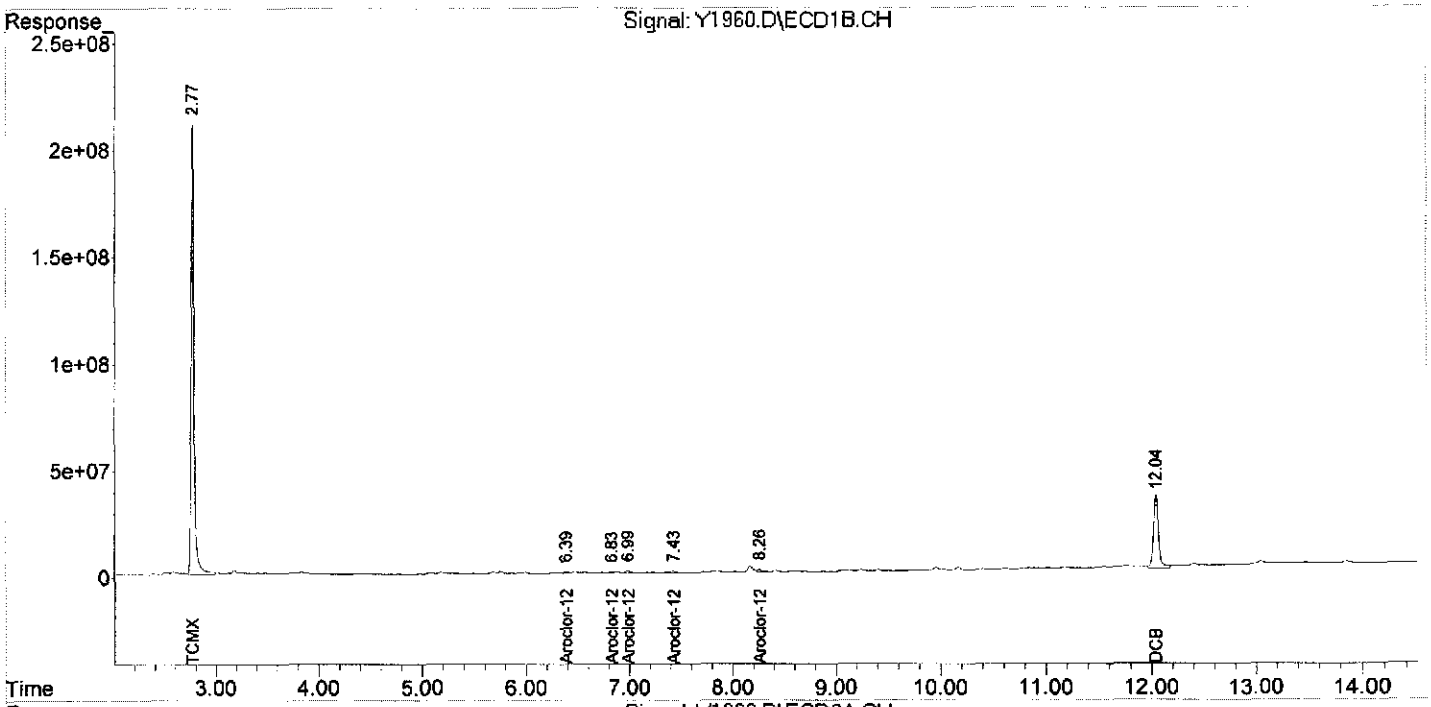
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

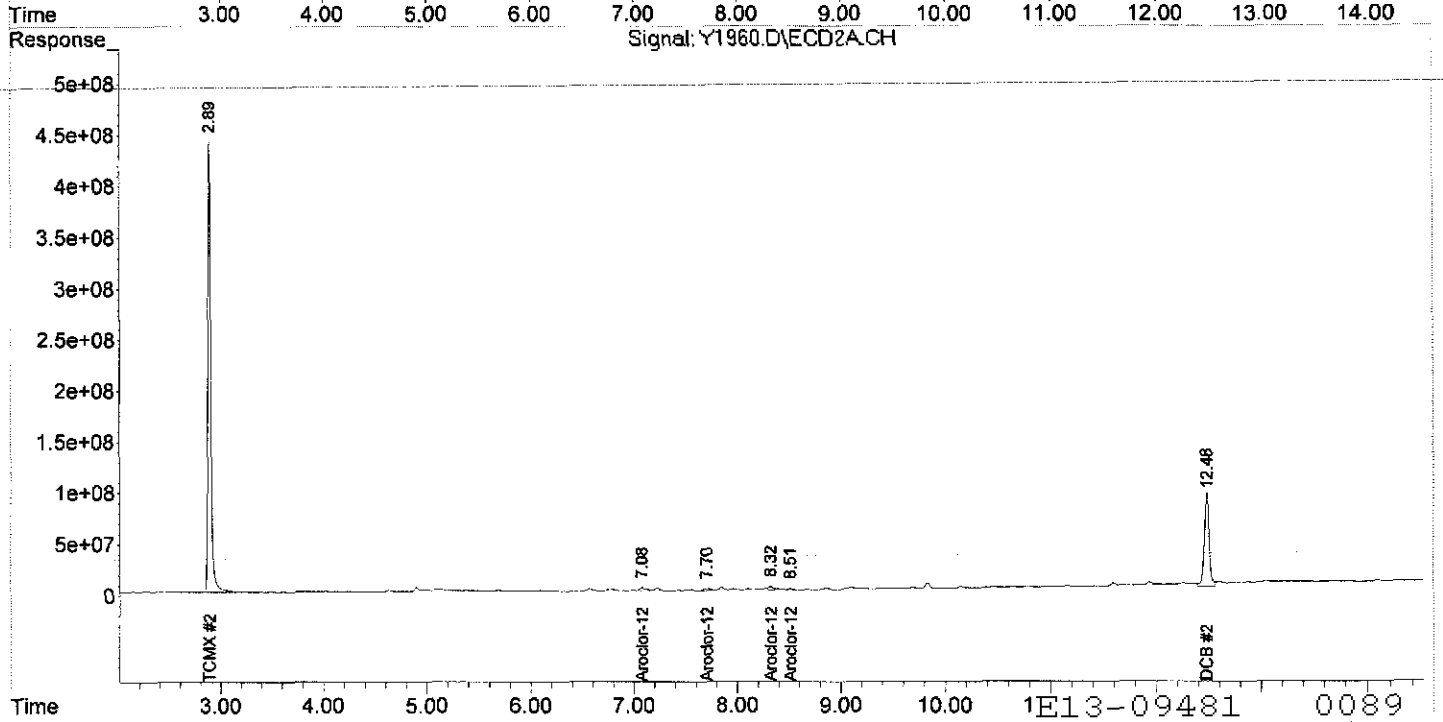
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : Y1960.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 19:16
Operator : NG
Sample : Q-50_(0-1.,09481-003,S,5.40g,31.8,10/01/13,4
Misc : 131001-07,09/26/13,09/26/13,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 11:49:28 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial 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\10-02-13\
Data File : Y1961.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 19:33
Operator : NG
Sample : Q-50_(1.0-,09481-004,S,5.38g,63.1,10/01/13,4
Misc : 131001-07,09/26/13,09/26/13,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 11:57:36 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial 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	2.77	2.89	4172.8E6	8737.2E6	226.012	237.913
Spiked Amount 200.000			Recovery	=	113.01%	118.96%
2) S DCB	12.04	12.48	1223.6E6	2821.4E6	198.545	218.432
Spiked Amount 200.000			Recovery	=	99.27%	109.22%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

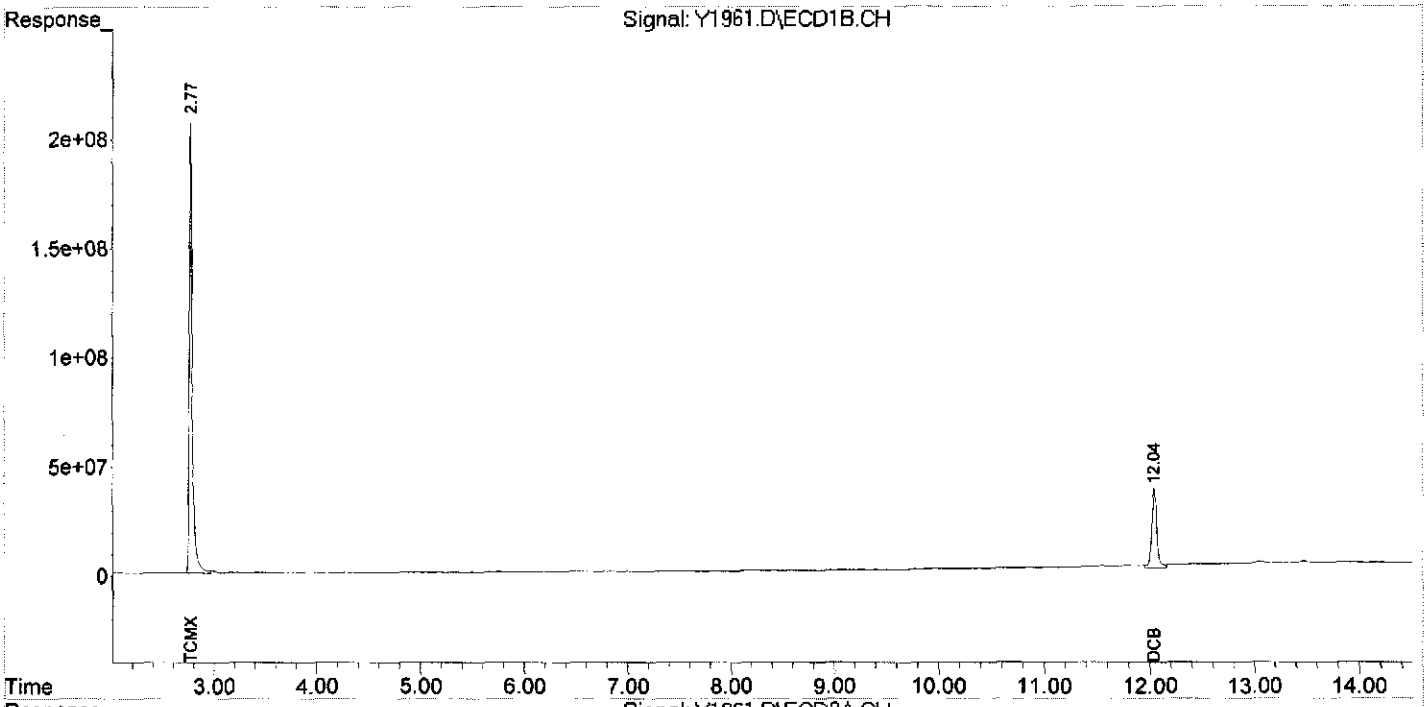
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

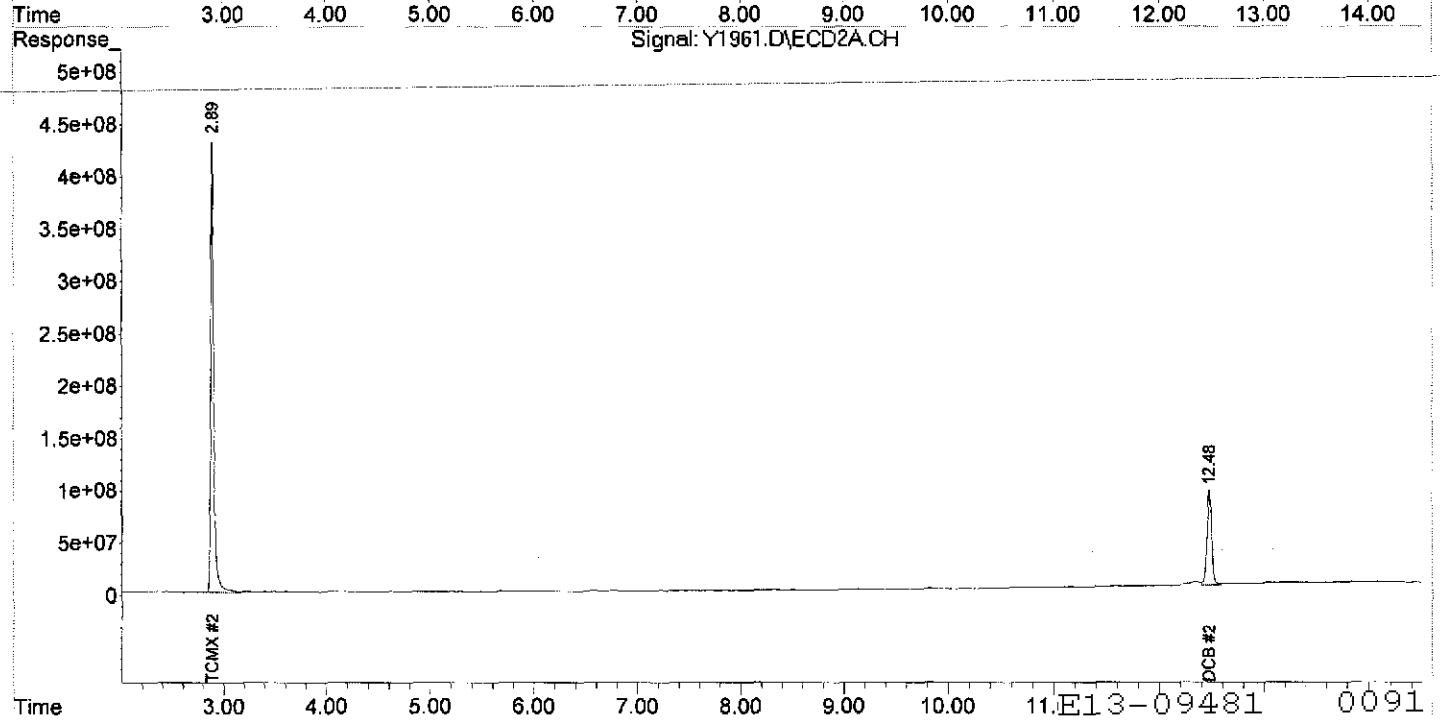
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : Y1961.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 19:33
Operator : NG
Sample : Q-50_(1.0-,09481-004,S,5.38g,63.1,10/01/13,4
Misc : 131001-07,09/26/13,09/26/13,1
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 11:57:36 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial 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\10-02-13\
Data File : Y1962.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 19:51
Operator : NG
Sample : P-49_(0-1.,09481-005,S,5.56g,34.1,10/01/13,4
Misc : 131001-07,09/26/13,09/26/13,1
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 11:59:57 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial 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	2.77	2.89	3981.4E6	8247.9E6	215.646	224.590
Spiked Amount 200.000			Recovery	=	107.82%	112.30%
2) S DCB	12.04	12.48	1131.0E6	2739.0E6	183.518	212.053
Spiked Amount 200.000			Recovery	=	91.76%	106.03%
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
28) L7 Aroclor-1254	6.39	7.08	67110180	458.4E6	53.647	158.967 #
29) L7 Aroclor-1254 {2}	6.82	7.70	48329242	285.1E6	58.863	130.704 #
30) L7 Aroclor-1254 {3}	6.99	8.32	95299222	212.4E6	64.358	113.885m#
31) L7 Aroclor-1254 {4}	7.43	8.51	119.5E6	120.7E6	74.339	106.081 #
~~32) L7 Aroclor-1254 {5}~~	~~8.26~~	~~9.10~~	~~105.0E6~~	~~209.6E6~~	~~73.474~~	~~70.335m~~
Sum Aroclor-1254			435.2E6	1286.2E6	324.680	579.973
Average Aroclor-1254					64.936	115.995
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

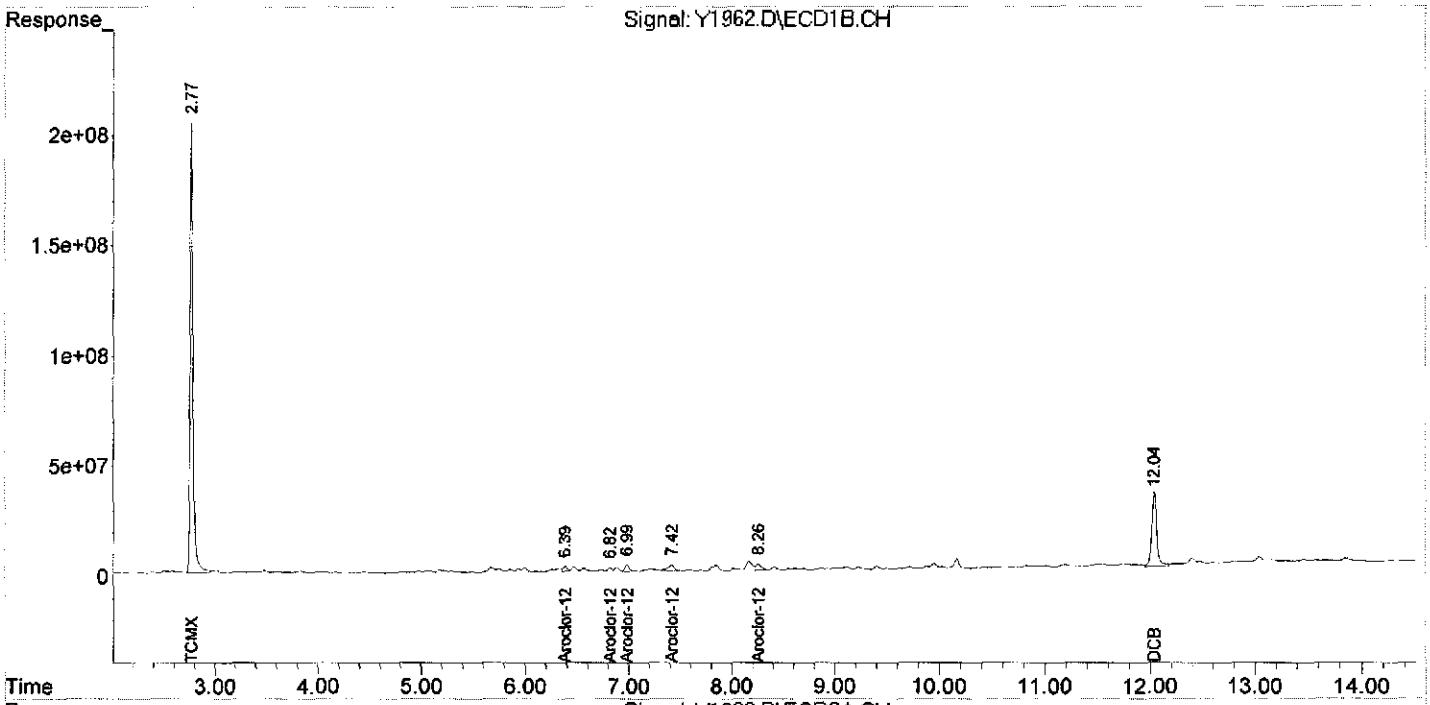
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

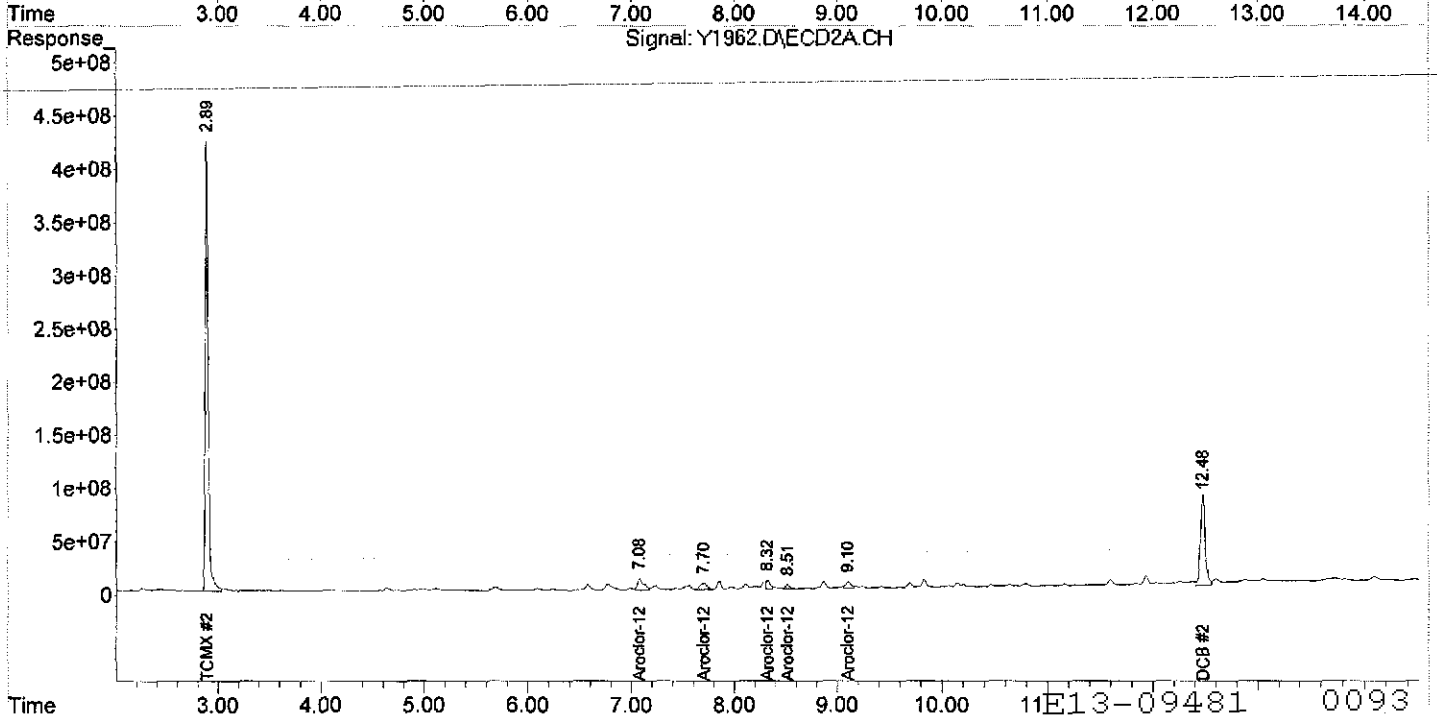
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : Y1962.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 19:51
Operator : NG
Sample : P-49_(0-1.,09481-005,S,5.56g,34.1,10/01/13,4
Misc : 131001-07,09/26/13,09/26/13,1
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 11:59:57 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial 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\10-02-13\
Data File : Y1963.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 20:08
Operator : NG
Sample : P-49_(1.0-,09481-006,S,5.62g,70.1,10/01/13,4
Misc : 131001-07,09/26/13,09/26/13,1
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 10:23:30 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial 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	2.77	2.89	4181.0E6	8782.9E6	226.457	239.157
Spiked Amount 200.000			Recovery	=	113.23%	119.58%
2) S DCB	12.04	12.48	1113.1E6	2753.3E6	180.611	213.155
Spiked Amount 200.000			Recovery	=	90.31%	106.58%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

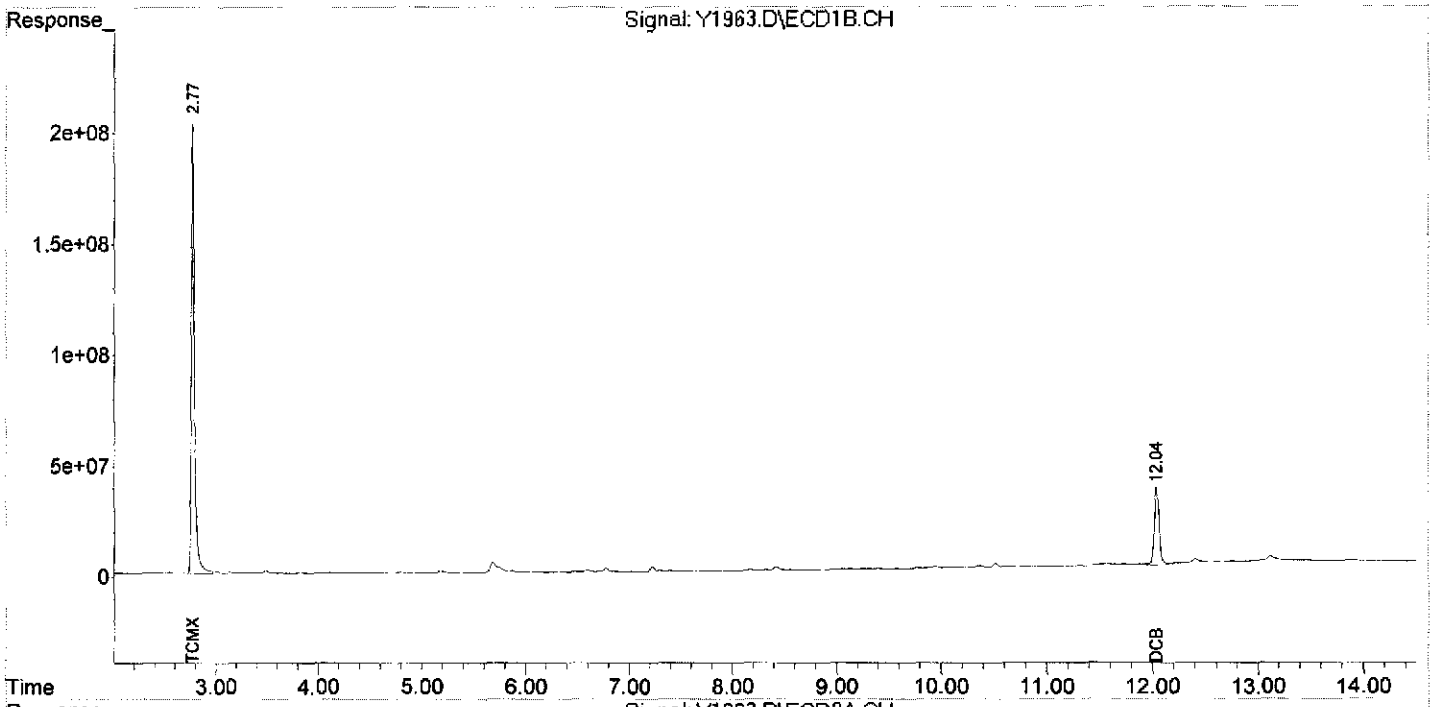
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

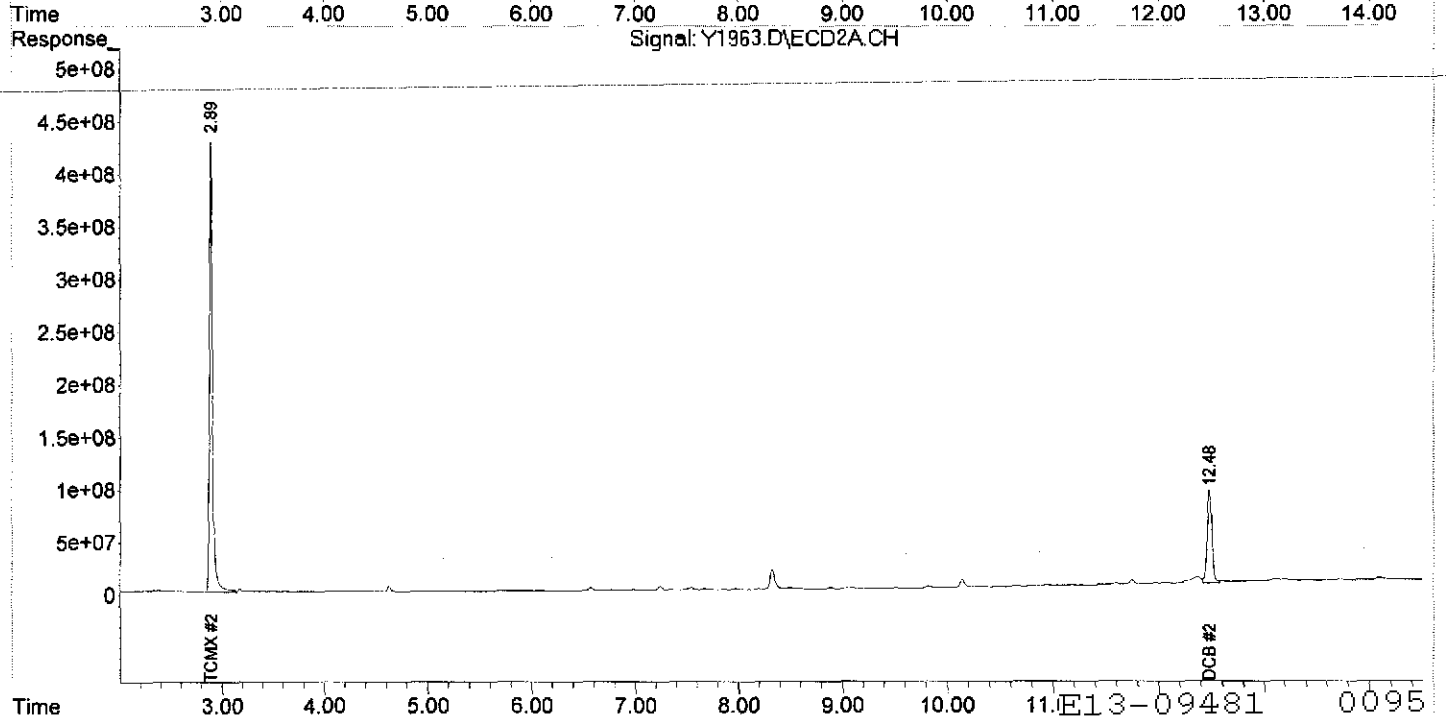
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : Y1963.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 20:08
Operator : NG
Sample : P-49_(1.0-,09481-006,S,5.62g,70.1,10/01/13,4
Misc : 131001-07,09/26/13,09/26/13,1
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 10:23:30 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial 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\10-02-13\
Data File : Y1964.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 20:26
Operator : NG
Sample : P-50_(0-1.,09481-007,S,5.73g,5.60,10/01/13,4
Misc : 131001-07,09/26/13,09/26/13,1
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 12:03:34 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial 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	2.77	2.89	3368.4E6	6936.1E6	182.443	188.870
Spiked Amount 200.000			Recovery	=	91.22%	94.44%
2) S DCB	12.04	12.48	1055.7E6	2577.6E6	171.302	199.556
Spiked Amount 200.000			Recovery	=	85.65%	99.78%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	57955464	79724994	54.035	33.264m#
24) L6 Aroclor-1248 {2}	4.98	5.69	13016294	131.8E6	21.052	37.225 #
25) L6 Aroclor-1248 {3}	5.30	6.09	25052811	152.3E6	31.497	59.721 #
26) L6 Aroclor-1248 {4}	6.00	6.24	30159521	65506988	23.873	29.374
27) L6 Aroclor-1248 {5}	6.27	6.57	21765633	78557446	21.797	60.666 #
Sum Aroclor-1248			147.9E6	507.9E6	152.254	220.249
Average Aroclor-1248					30.451	44.050
28) L7 Aroclor-1254	6.37	0.00	34100412	0	27.259m	N.D. d#
29) L7 Aroclor-1254 {2}	6.83	7.70	13353784	65052975	16.264	29.829m#
30) L7 Aroclor-1254 {3}	6.99	0.00	27288579	0	18.429	N.D. d#
31) L7 Aroclor-1254 {4}	7.42	8.51	26408596	29190256	16.434m	25.647m#
32) L7 Aroclor-1254 {5}	8.26	9.10	34796343	58069849	24.338	19.483m
Sum Aroclor-1254			135.9E6	152.3E6	102.725	74.959
Average Aroclor-1254					20.545	24.986
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

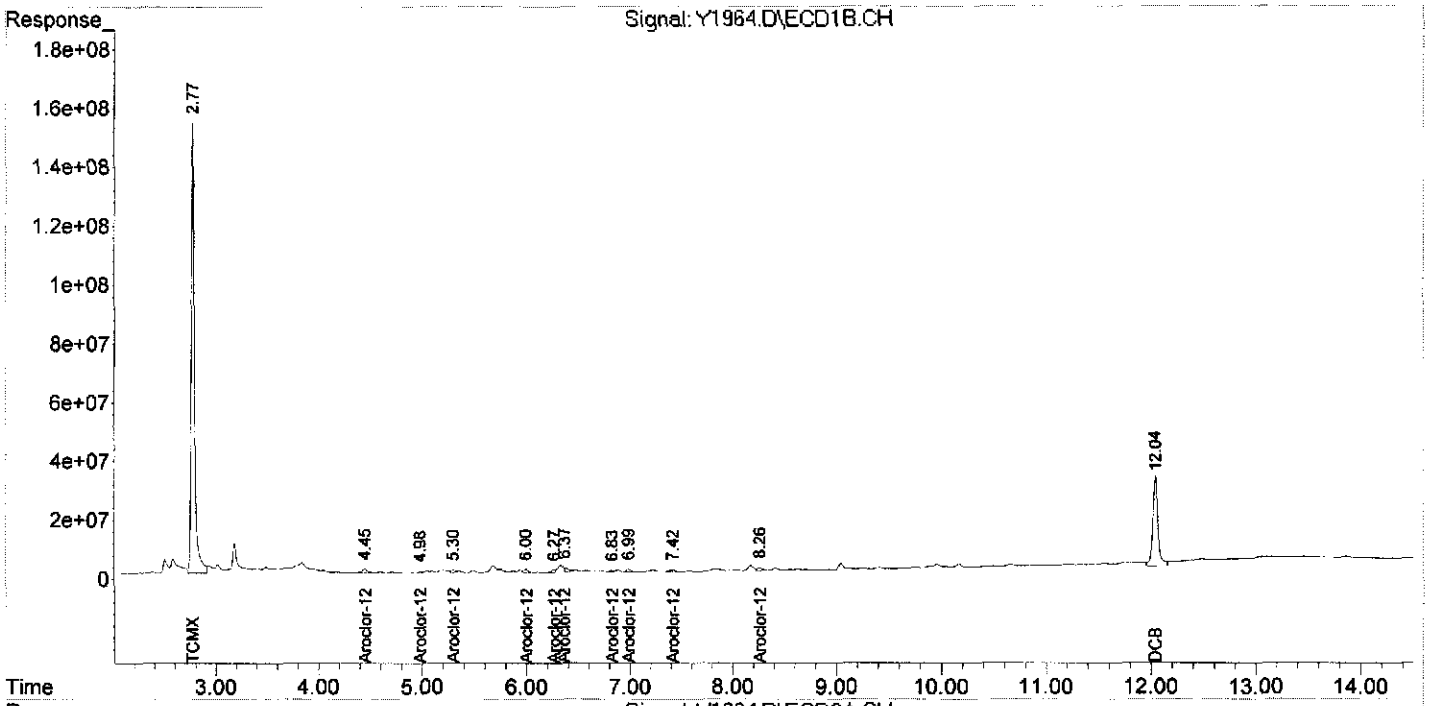
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

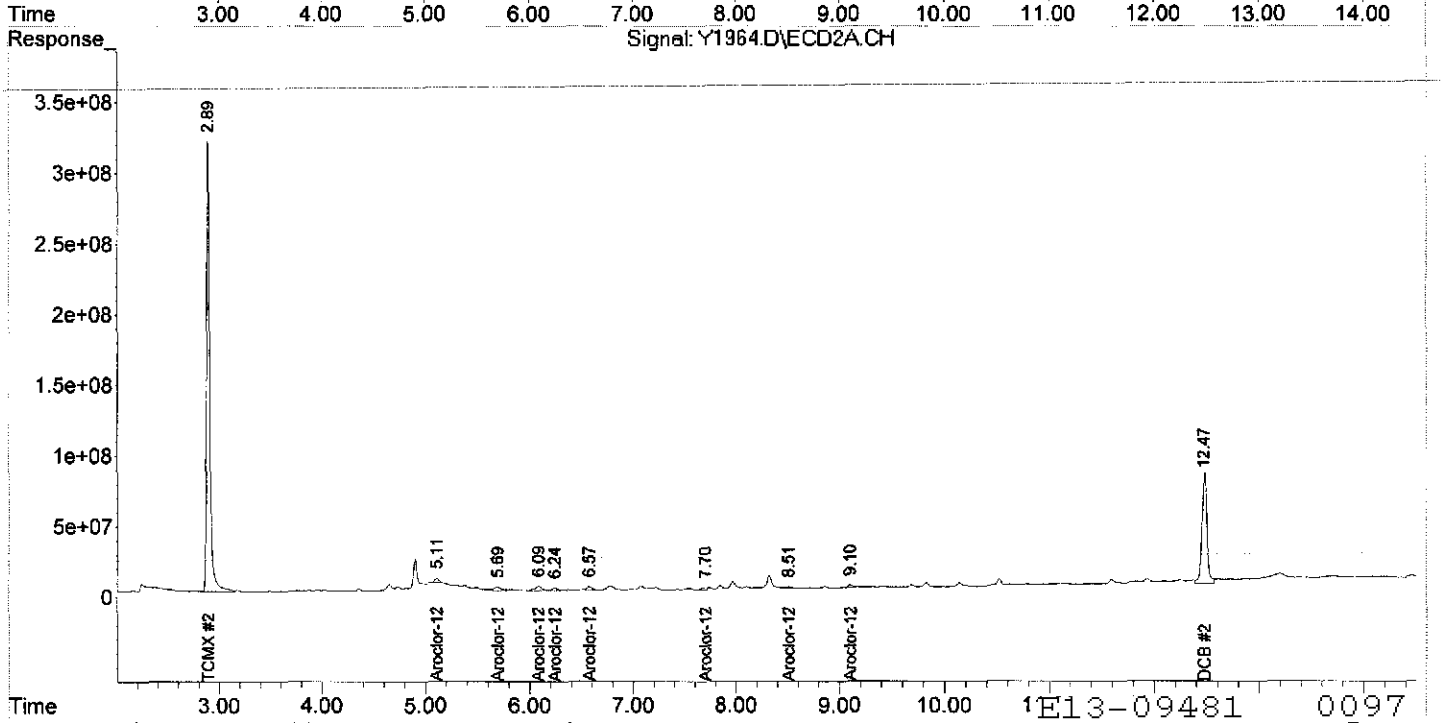
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : Y1964.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 20:26
Operator : NG
Sample : P-50_(0-1.,09481-007,S,5.73g,5.60,10/01/13,4
Misc : 131001-07,09/26/13,09/26/13,1
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 12:03:34 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial 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\10-02-13\
Data File : R4530.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 8:47
Operator : JS
Sample : P-50_(1.0-,09481-008,S,5.14g,6.00,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 14:52:20 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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	2.74	2.57	2196.2E6	4270.1E6	187.733	193.881
Spiked Amount 200.000			Recovery	=	93.87%	96.94%
2) S DCB	12.08	11.94	746.7E6	1419.1E6	199.918	218.861
Spiked Amount 200.000			Recovery	=	99.96%	109.43%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

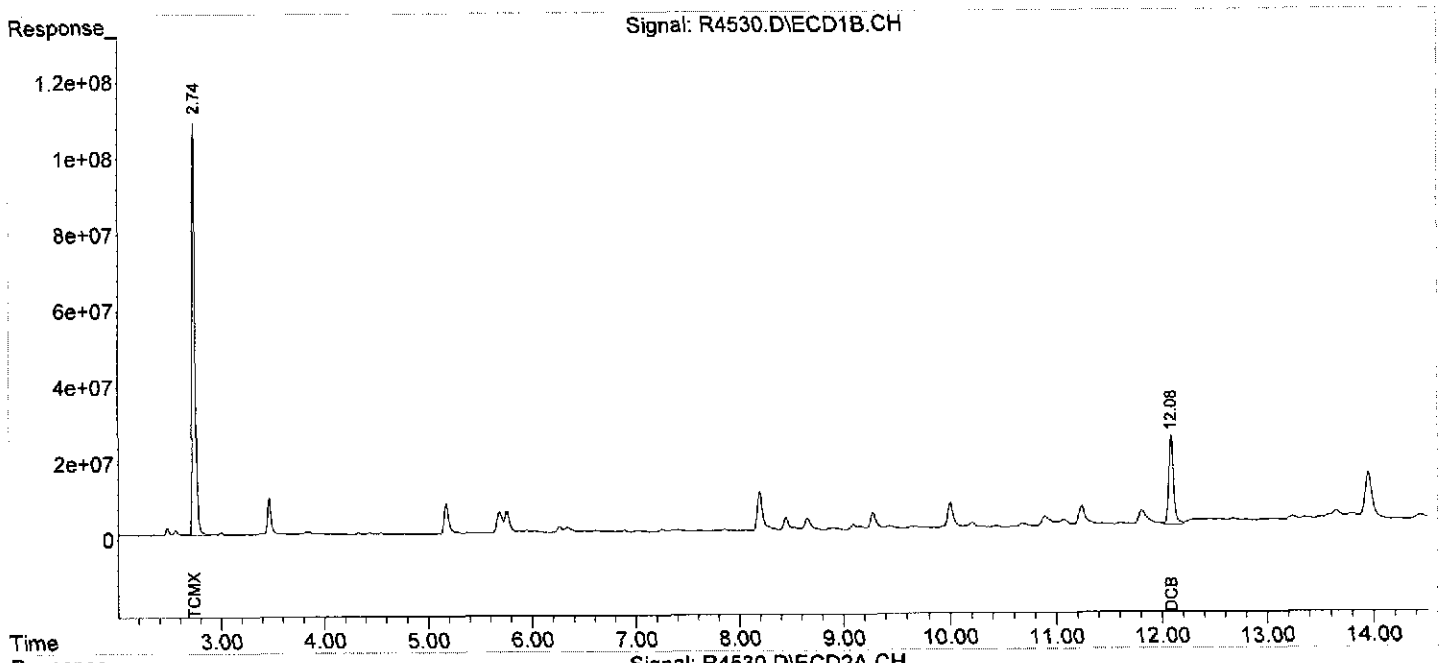
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

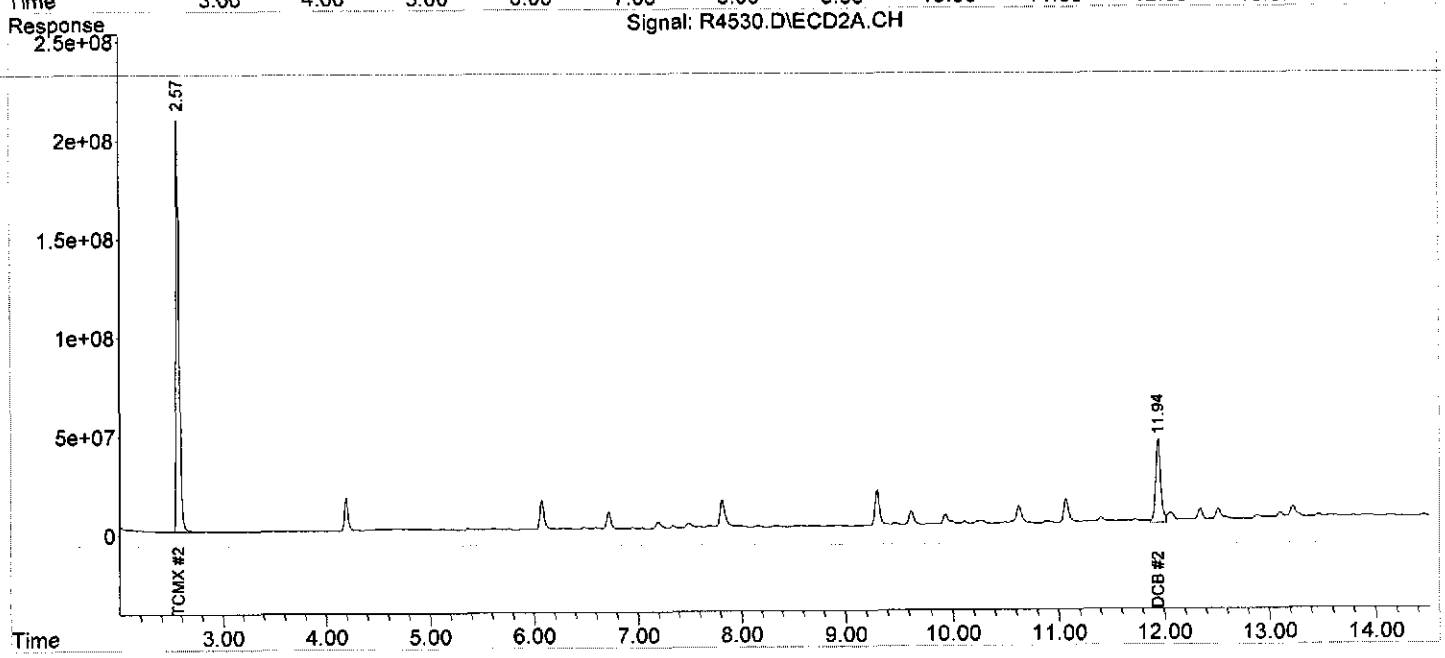
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : R4530.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 8:47
Operator : JS
Sample : P-50_(1.0-,09481-008,S,5.14g,6.00,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 14:52:20 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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\10-02-13\
Data File : R4535.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 10:14
Operator : JS
Sample : O-48_(0-1.,09481-009,S,5.94g,33.2,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 15:04:01 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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	2.74	2.56	2270.0E6	4345.6E6	194.037	197.312
Spiked Amount 200.000			Recovery	=	97.02%	98.66%
2) S DCB	12.08	11.93	823.5E6	1427.4E6	220.459	220.134m
Spiked Amount 200.000			Recovery	=	110.23%	110.07%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

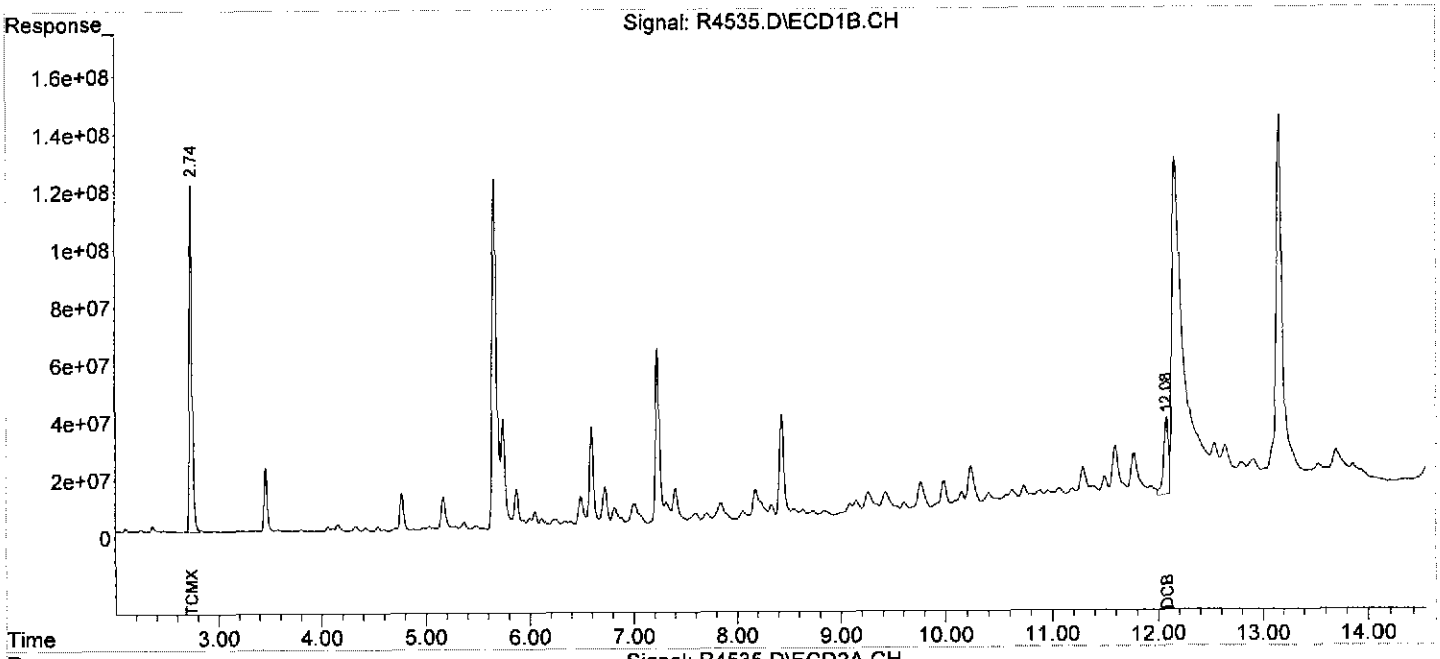
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

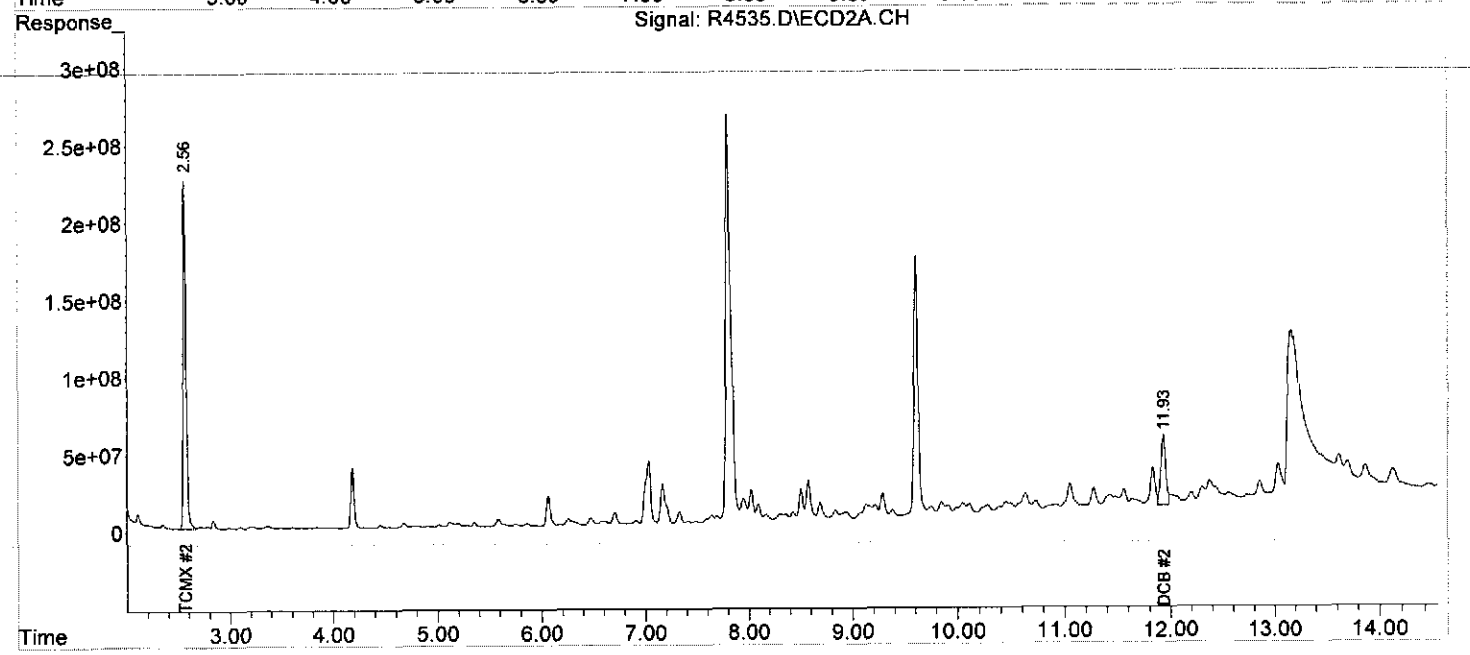
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : R4535.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 10:14
Operator : JS
Sample : O-48_(0-1.,09481-009,S,5.94g,33.2,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 15:04:01 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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\10-02-13\
Data File : R4554.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 16:21
Operator : JS
Sample : O-48_(1.0-,09481-010,S,5.89g,12.2,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 14:41:01 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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	2.74	2.57	1914.2E6	3371.0E6	163.628	153.060
Spiked Amount 200.000			Recovery	=	81.81%	76.53%
2) S DCB	12.08	11.94	707.6E6	1303.1E6	189.451	200.966
Spiked Amount 200.000			Recovery	=	94.73%	100.48%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

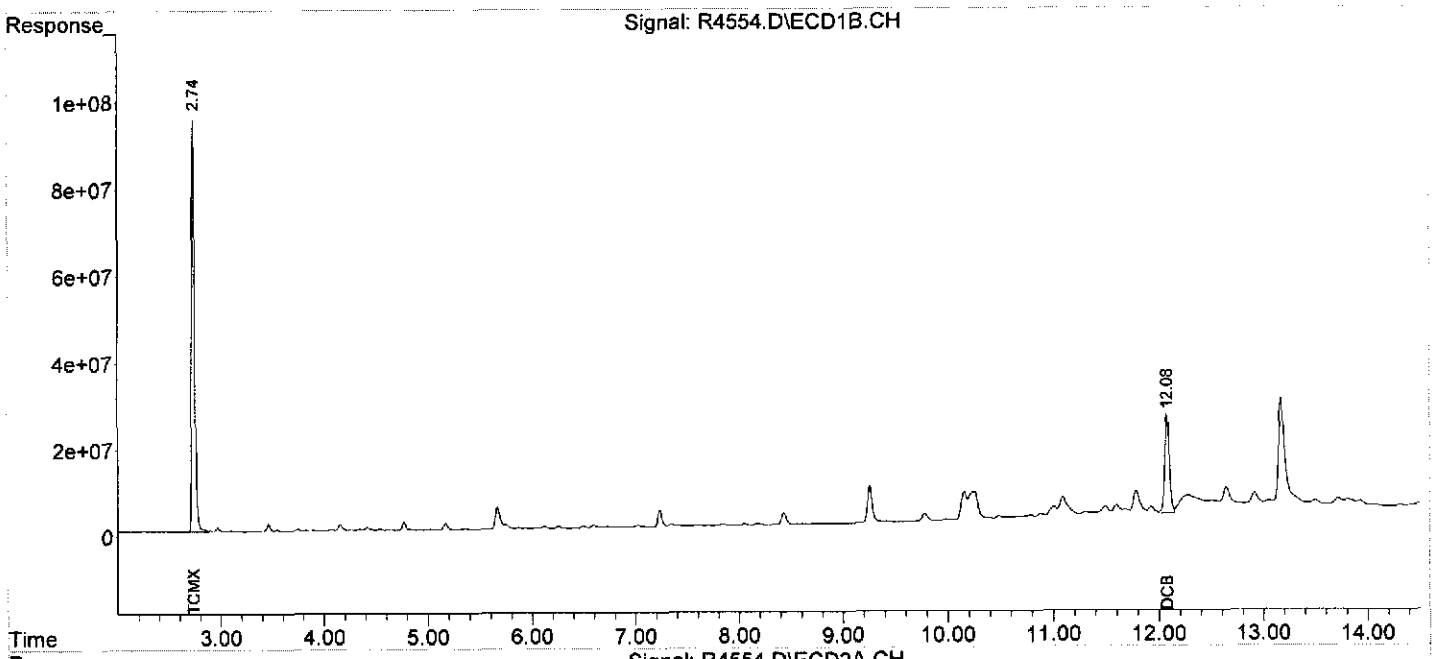
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

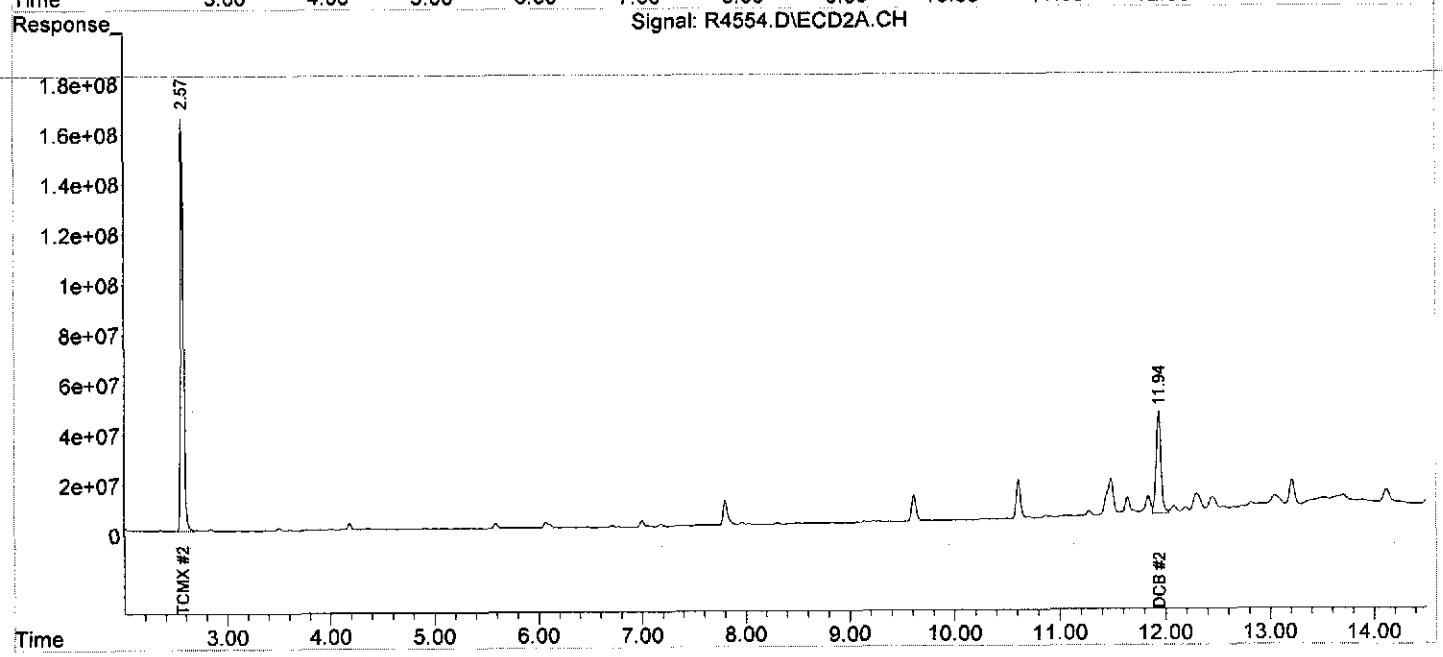
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : R4554.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 16:21
Operator : JS
Sample : O-48_(1.0-,09481-010,S,5.89g,12.2,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 14:41:01 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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\10-02-13\
Data File : R4537.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 10:49
Operator : JS
Sample : O-48_(2.0-,09481-011,S,5.68g,47.2,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 04 12:06:12 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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	2.74	2.56	2561.0E6	4720.9E6	218.909	214.352
Spiked Amount 200.000			Recovery	=	109.45%	107.18%
2) S DCB	12.08	11.93	856.6E6	1805.4E6	229.345	278.428m
Spiked Amount 200.000			Recovery	=	114.67%	139.21%
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

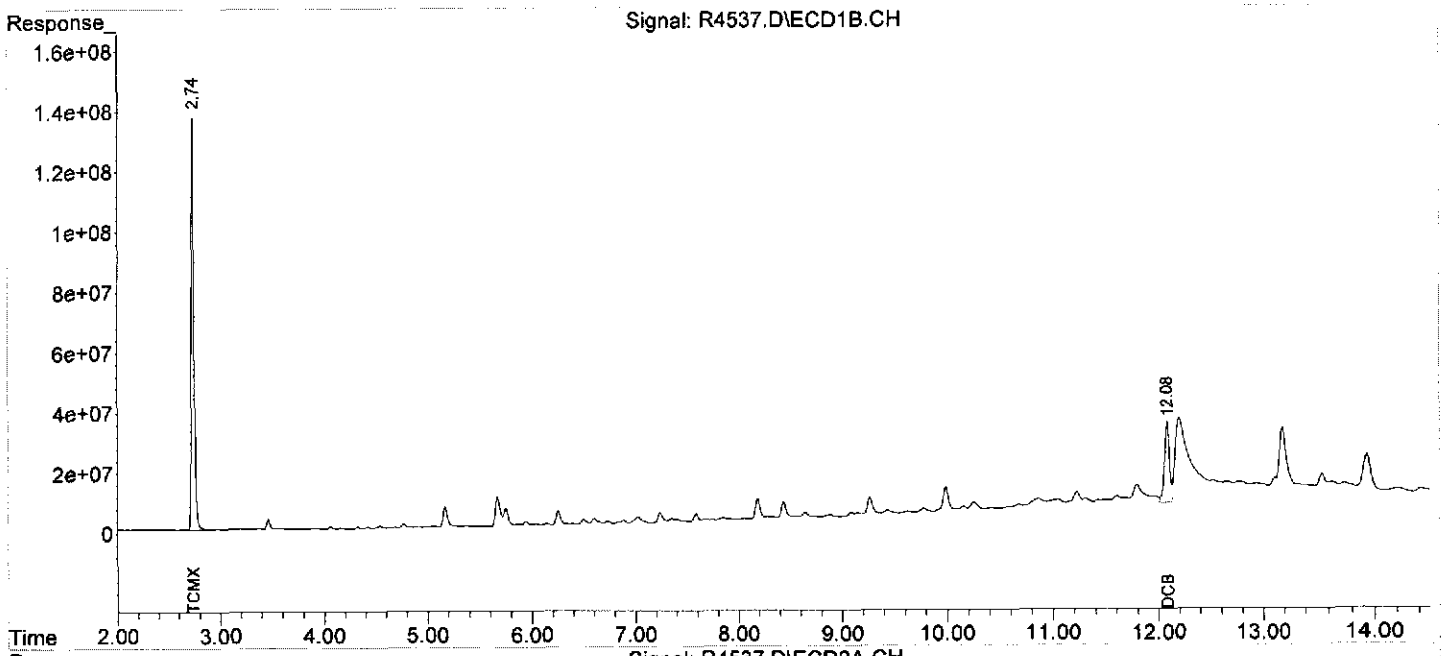
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

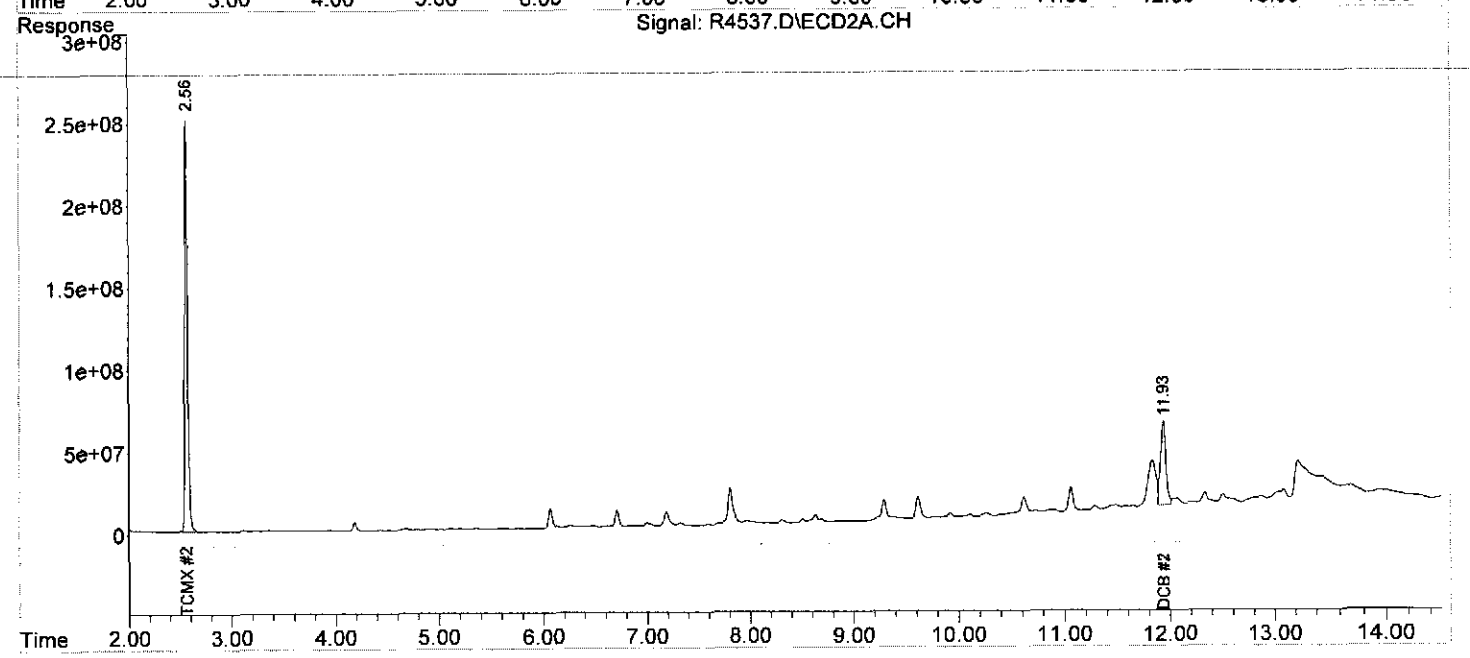
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : R4537.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 10:49
Operator : JS
Sample : O-48_(2.0-,09481-011,S,5.68g,47.2,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 04 12:06:12 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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\10-02-13\
Data File : R4538.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 11:07
Operator : JS
Sample : O-48_(3.0-,09481-012,S,5.21g,58.0,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 14:16:28 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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	2.74	2.56	3021.8E6	5640.3E6	258.303	256.096
Spiked Amount 200.000			Recovery	=	129.15%	128.05%
2) S DCB	12.08	11.94	969.6E6	1927.9E6	259.576	297.319m
Spiked Amount 200.000			Recovery	=	129.79%	148.66%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

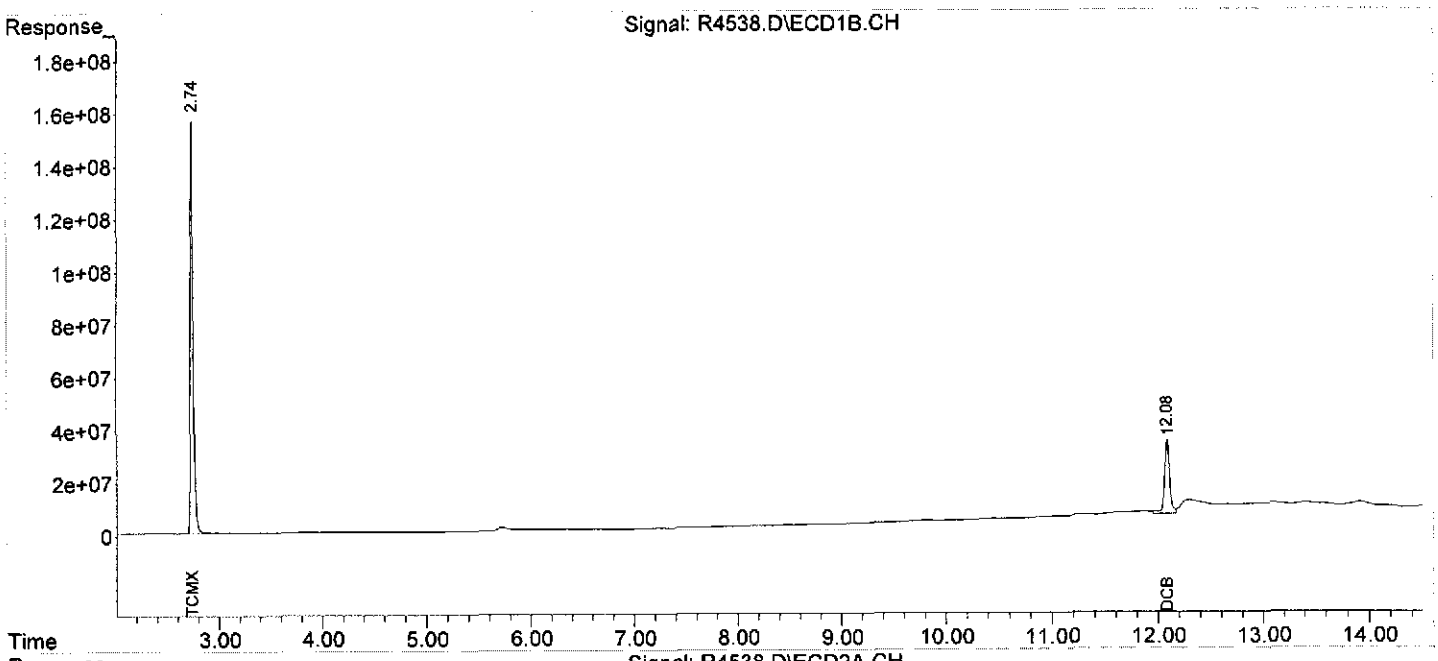
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

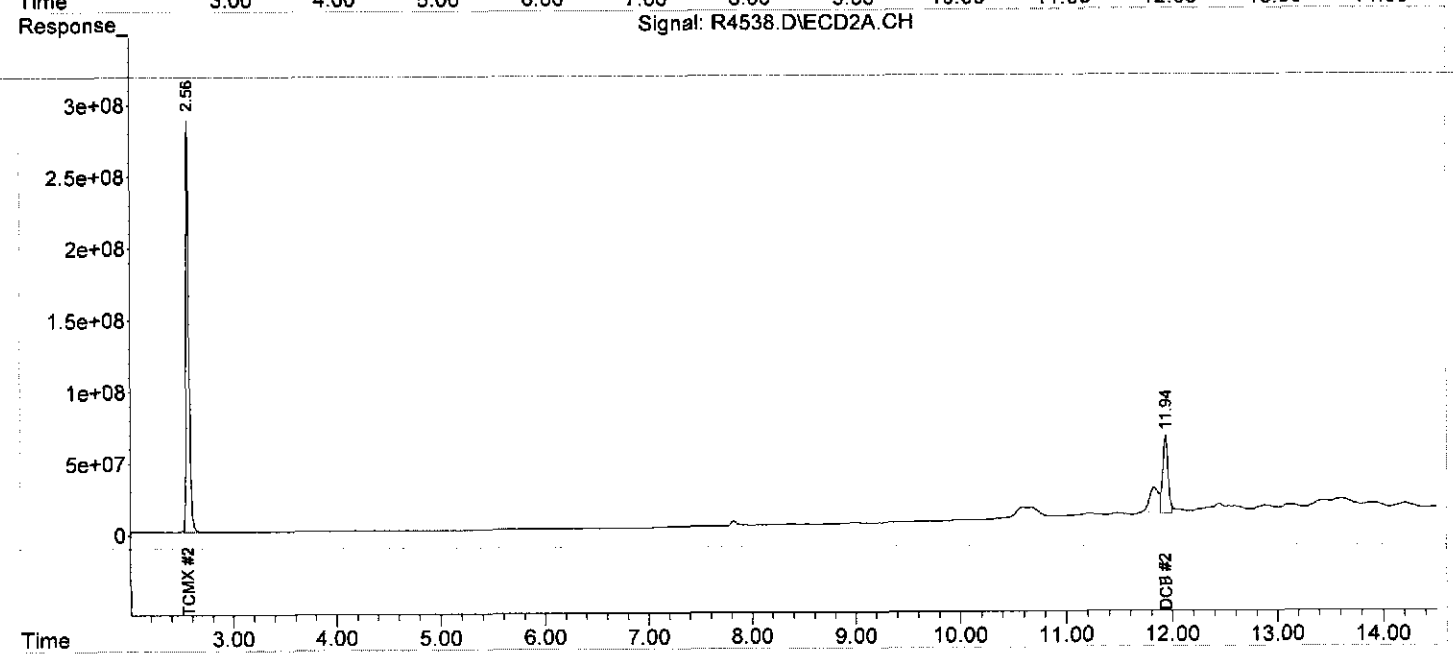
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : R4538.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 11:07
Operator : JS
Sample : O-48_(3.0-,09481-012,S,5.21g,58.0,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 14:16:28 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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\10-02-13\
Data File : R4539.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 11:24
Operator : JS
Sample : S-50_(0-1.,09481-013,S,5.55g,29.3,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 04 11:54:58 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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	2.74	2.56	2659.1E6	4961.4E6	227.294	225.269
Spiked Amount 200.000			Recovery	=	113.65%	112.63%
2) S DCB	12.08	11.94	797.4E6	1645.5E6	213.481	253.765
Spiked Amount 200.000			Recovery	=	106.74%	126.88%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.44	4.65	428.3E6	724.3E6	663.951	605.499
24) L6 Aroclor-1248 {2}	4.98	5.21	266.7E6	1332.0E6	718.904	745.246
25) L6 Aroclor-1248 {3}	5.30	5.60	384.9E6	943.8E6	787.506	737.707
~~26) L6 Aroclor-1248 {4}~~	~~6.00~~	~~5.75~~	~~519.0E6~~	~~692.5E6~~	~~655.596~~	~~598.763~~
27) L6 Aroclor-1248 {5}	6.26	6.09	381.9E6	439.9E6	670.263m	697.851
Sum Aroclor-1248			1980.8E6	4132.6E6	3496.221	3385.066
Average Aroclor-1248					699.244	677.013
28) L7 Aroclor-1254	6.39	6.58	180.0E6	235.1E6	239.291	162.212 #
29) L7 Aroclor-1254 {2}	6.83	7.16	217.9E6	517.0E6	453.016	453.342
30) L7 Aroclor-1254 {3}	7.00	7.59	343.2E6	236.6E6	379.806	317.606
31) L7 Aroclor-1254 {4}	7.44	0.00	255.6E6	0	273.146	N.D. d#
32) L7 Aroclor-1254 {5}	0.00	8.57	0	754.8E6	N.D. d	473.058 #
Sum Aroclor-1254			996.6E6	1743.5E6	1345.258	1406.219
Average Aroclor-1254					336.315	351.555
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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : R4539.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 11:24
Operator : JS
Sample : S-50_(0-1.,09481-013,S,5.55g,29.3,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 04 11:54:58 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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

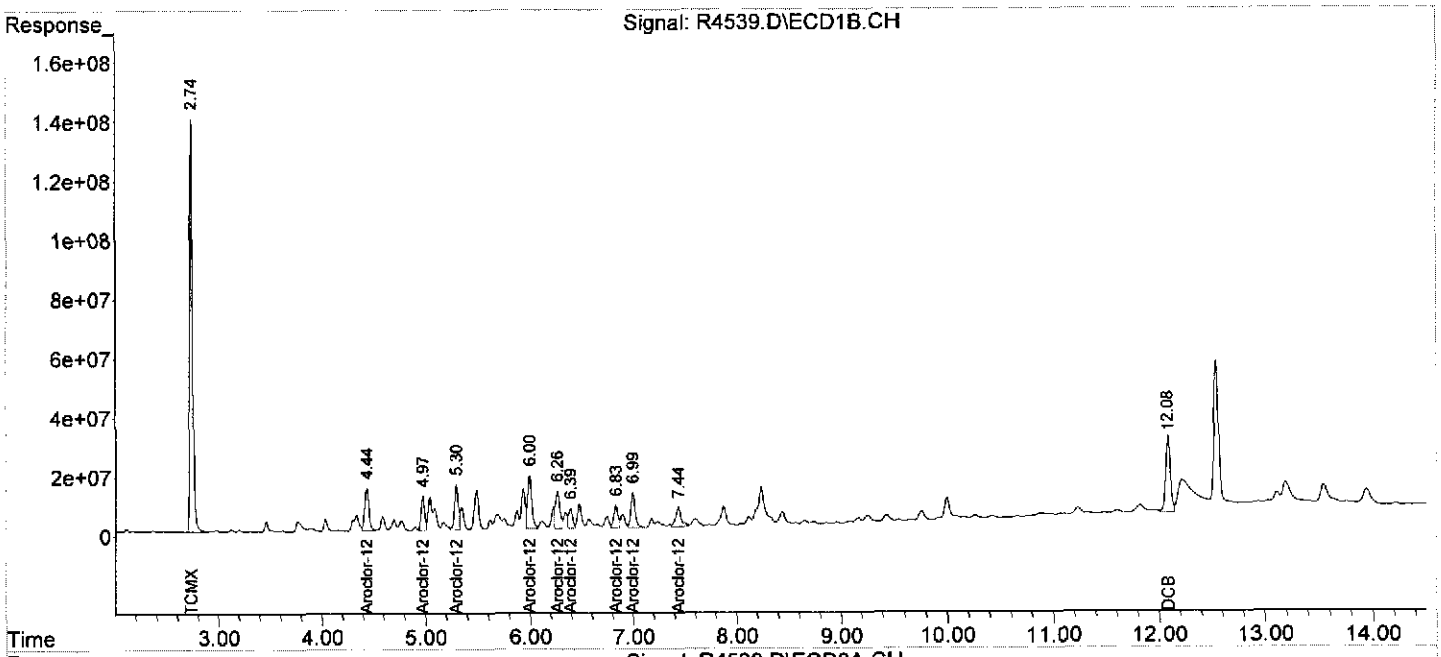
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

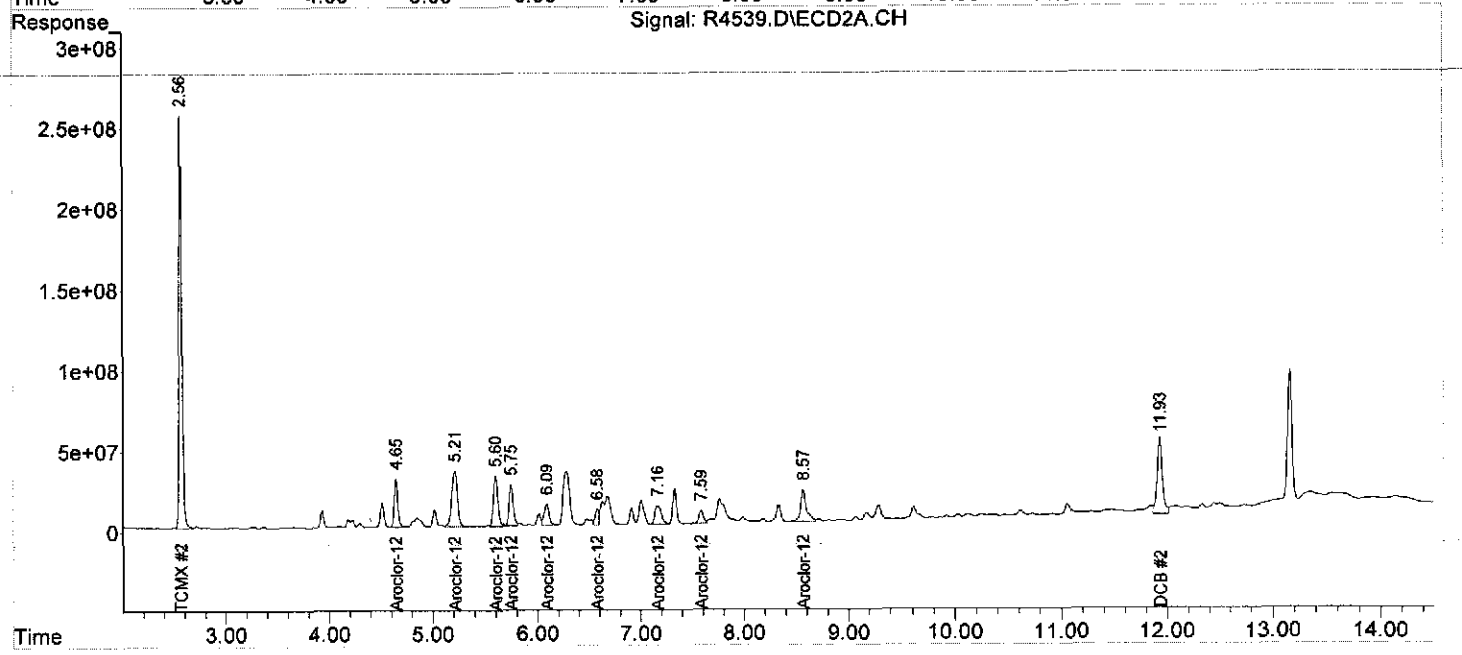
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : R4539.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 11:24
Operator : JS
Sample : S-50_(0-1.,09481-013,S,5.55g,29.3,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 04 11:54:58 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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\10-02-13\
Data File : R4540.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 11:42
Operator : JS
Sample : S-50_(1.0-,09481-014,S,5.56g,30.2,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 14:20:04 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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	2.74	2.56	2747.4E6	5168.9E6	234.845	234.691
Spiked Amount 200.000			Recovery	=	117.42%	117.35%
2) S DCB	12.09	11.94	974.8E6	1694.2E6	260.985	261.290m
Spiked Amount 200.000			Recovery	=	130.49%	130.65%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.44	4.65	20720480	35597142	32.118	29.757
24) L6 Aroclor-1248 {2}	4.98	5.22	9983368	51126337	26.906	28.604
25) L6 Aroclor-1248 {3}	5.30	5.60	22150676	38244970	45.325m	29.893 #
~~26) L6 Aroclor-1248 {4}~~	~~6.00~~	~~5.75~~	~~23518305~~	~~29503023~~	~~29.708~~	~~25.510~~
27) L6 Aroclor-1248 {5}	6.27	6.10	16803521	21622989	29.494	34.300
Sum Aroclor-1248			93176350	176.1E6	163.552	148.064
Average Aroclor-1248					32.710	29.613
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

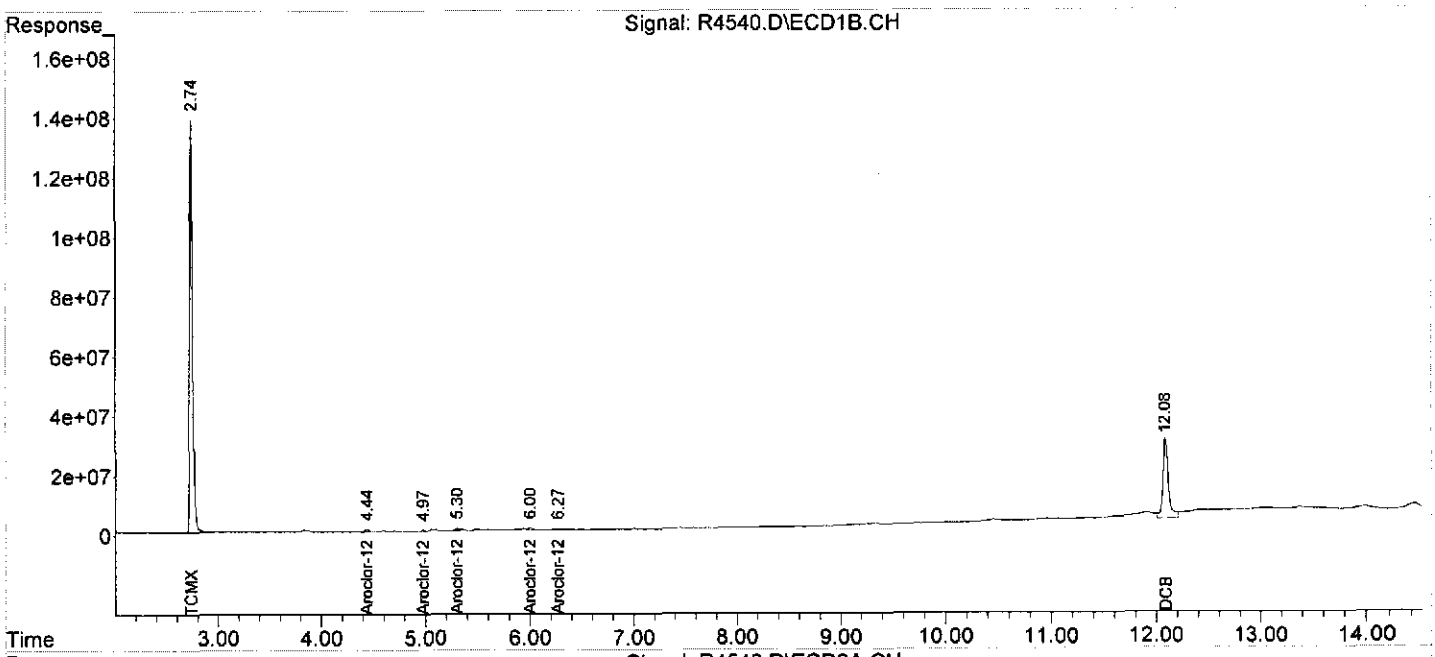
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

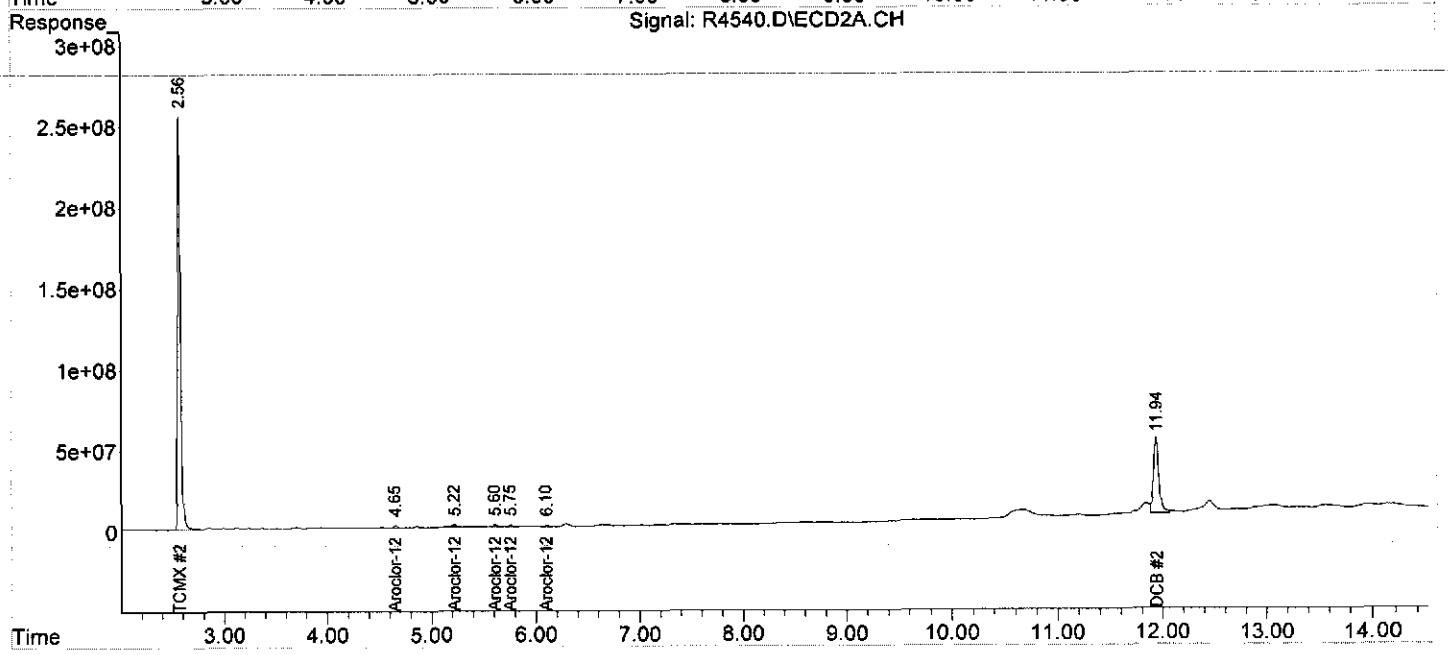
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : R4540.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 11:42
Operator : JS
Sample : S-50_(1.0-,09481-014,S,5.56g,30.2,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 14:20:04 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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\10-02-13\
Data File : R4541.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 11:59
Operator : JS
Sample : R-50_(0-1.,09481-015,S,5.76g,23.3,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 14:20:33 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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	2.74	2.56	2760.3E6	5179.4E6	235.945	235.169
Spiked Amount 200.000			Recovery	=	117.97%	117.58%
2) S DCB	12.09	11.94	1051.3E6	1605.6E6	281.461	247.617
Spiked Amount 200.000			Recovery	=	140.73%	123.81%
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

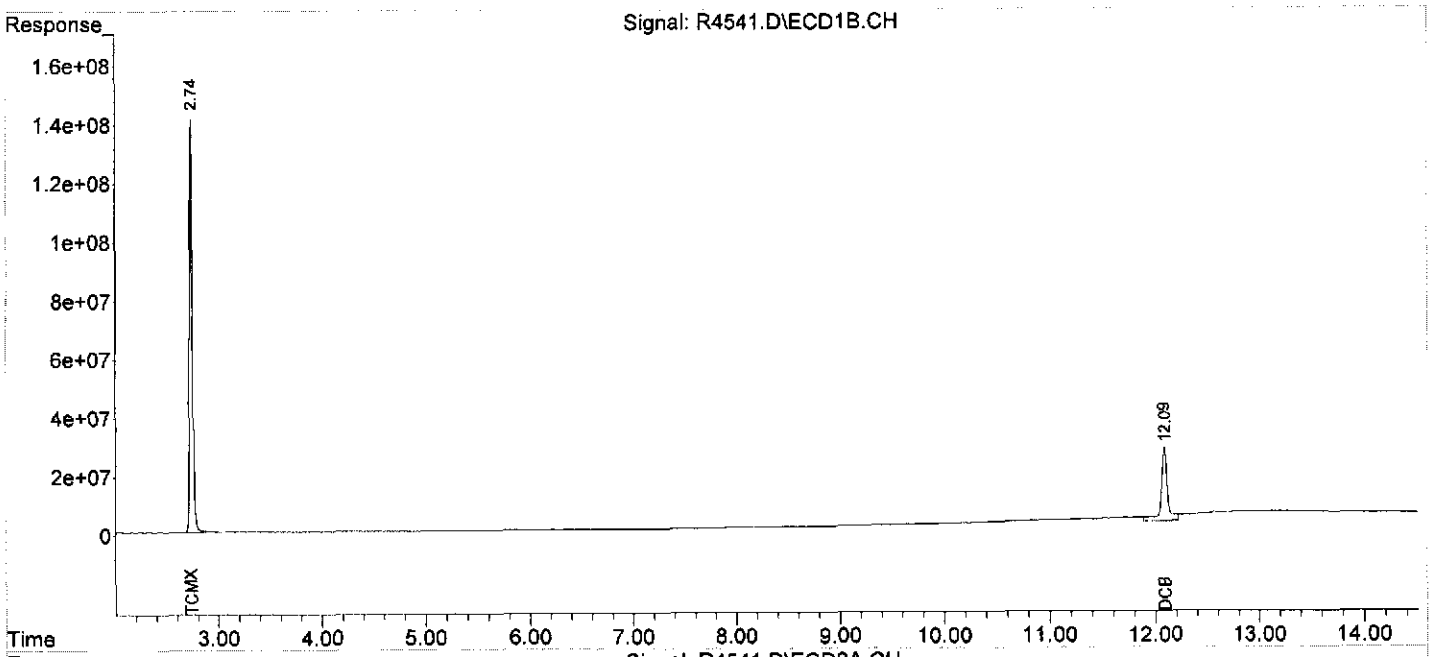
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

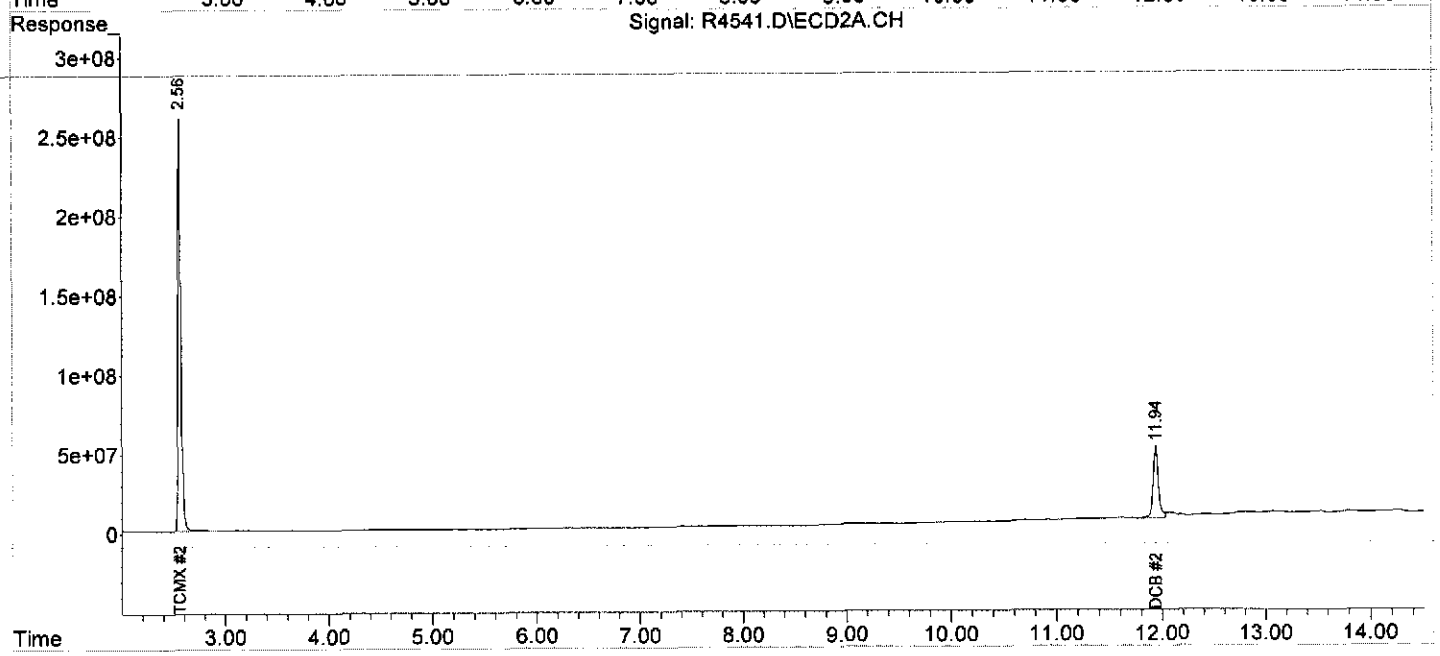
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : R4541.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 11:59
Operator : JS
Sample : R-50_(0-1.,09481-015,S,5.76g,23.3,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 14:20:33 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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\10-02-13\
Data File : R4542.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 12:17
Operator : JS
Sample : R-50_(1.0-,09481-016,S,5.35g,63.0,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 14:21:58 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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	2.74	2.56	3280.3E6	6227.9E6	280.397	282.775
Spiked Amount 200.000			Recovery	=	140.20%	141.39%
2) S DCB	12.08	11.94	1015.3E6	1892.8E6	271.824	291.915
Spiked Amount 200.000			Recovery	=	135.91%	145.96%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.44	4.65	13942635	20755499	21.612	17.350
24) L6 Aroclor-1248 {2}	4.98	5.21	23522077	98685590	63.395	55.212
25) L6 Aroclor-1248 {3}	5.30	5.60	50140450	73325593	102.599m	57.314 #
~~26) L6 Aroclor-1248 {4}~~	~~6.00~~	~~5.75~~	~~44793114~~	~~39505014~~	~~56.582~~	~~34.158 #~~
27) L6 Aroclor-1248 {5}	0.00	6.09	0	30636039	N.D. d	48.597 #
Sum Aroclor-1248			132.4E6	262.9E6	244.187	212.631
Average Aroclor-1248					61.047	42.526
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

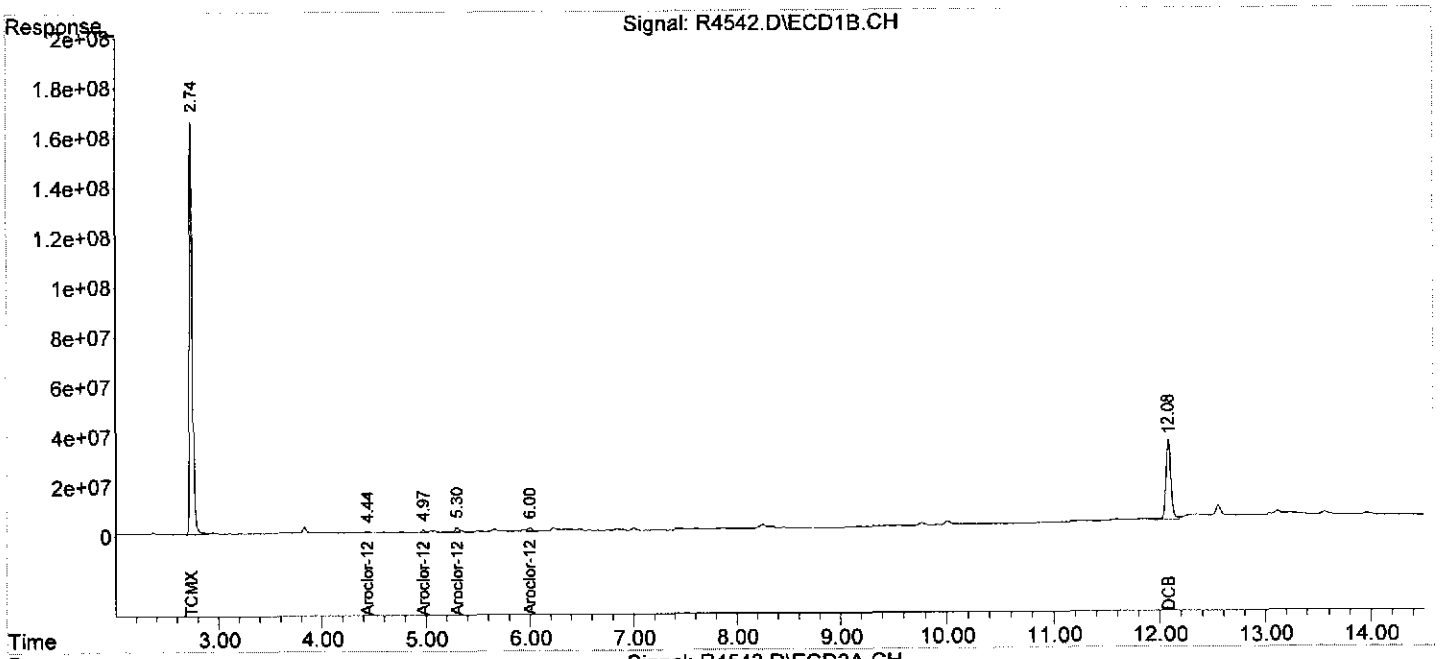
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

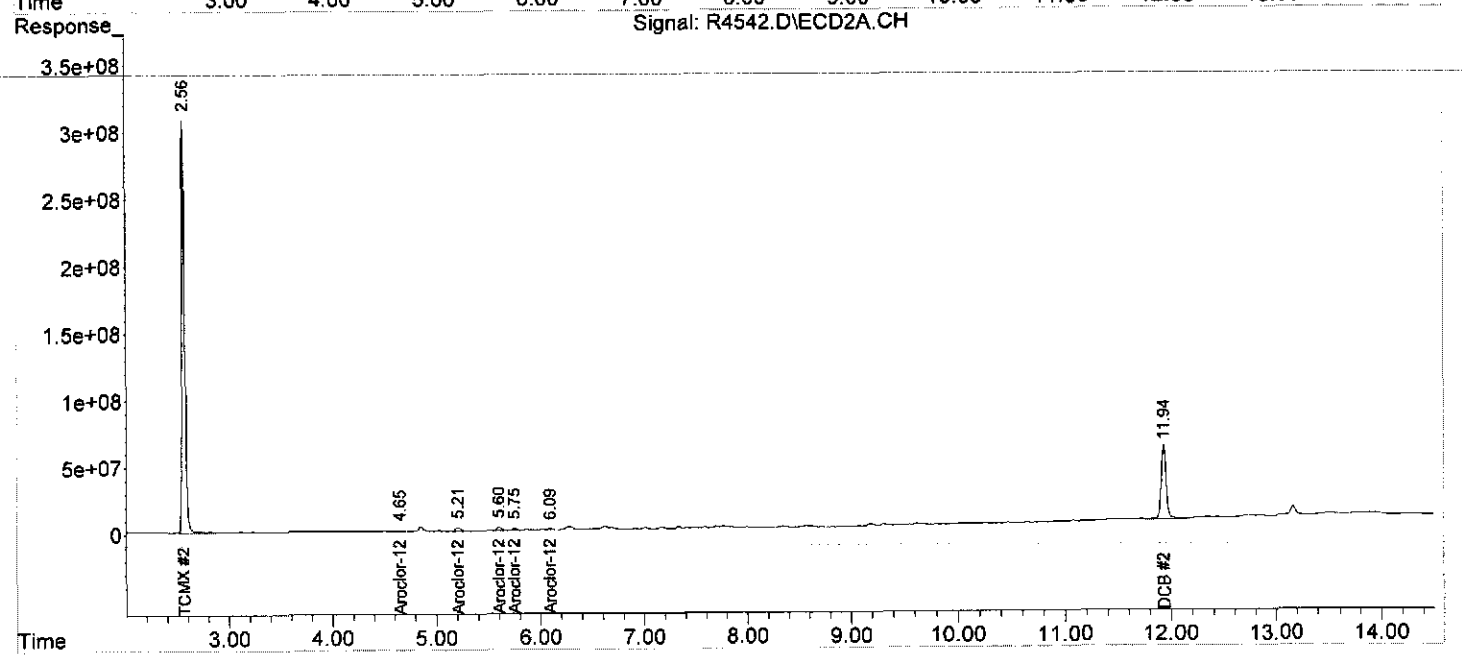
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : R4542.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 12:17
Operator : JS
Sample : R-50_(1.0-,09481-016,S,5.35g,63.0,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 14:21:58 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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\10-02-13\
Data File : R4543.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 12:34
Operator : JS
Sample : U-45_(4.0-,09481-017,S,5.23g,21.1,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 14:22:58 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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	2.74	2.56	2688.1E6	5040.7E6	229.780	228.872
Spiked Amount 200.000			Recovery	=	114.89%	114.44%
2) S DCB	12.09	11.94	1013.3E6	1780.1E6	271.273	274.525
Spiked Amount 200.000			Recovery	=	135.64%	137.26%
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

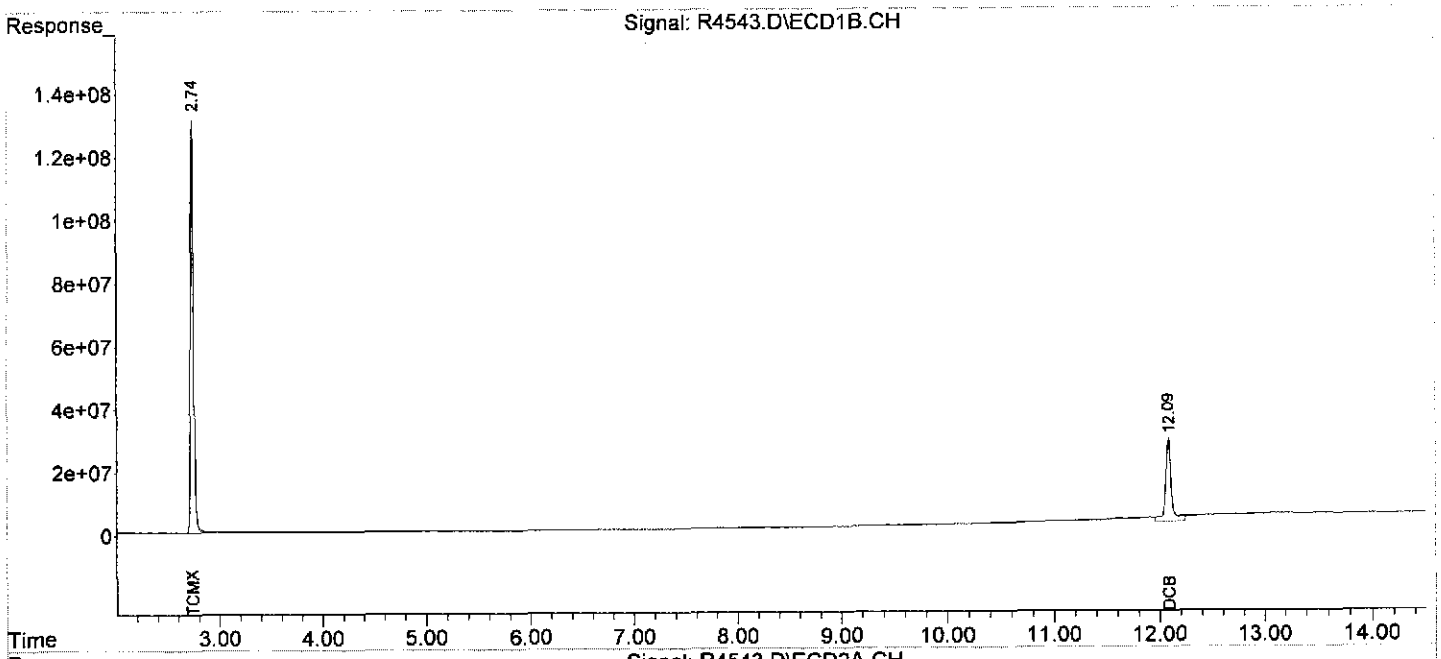
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

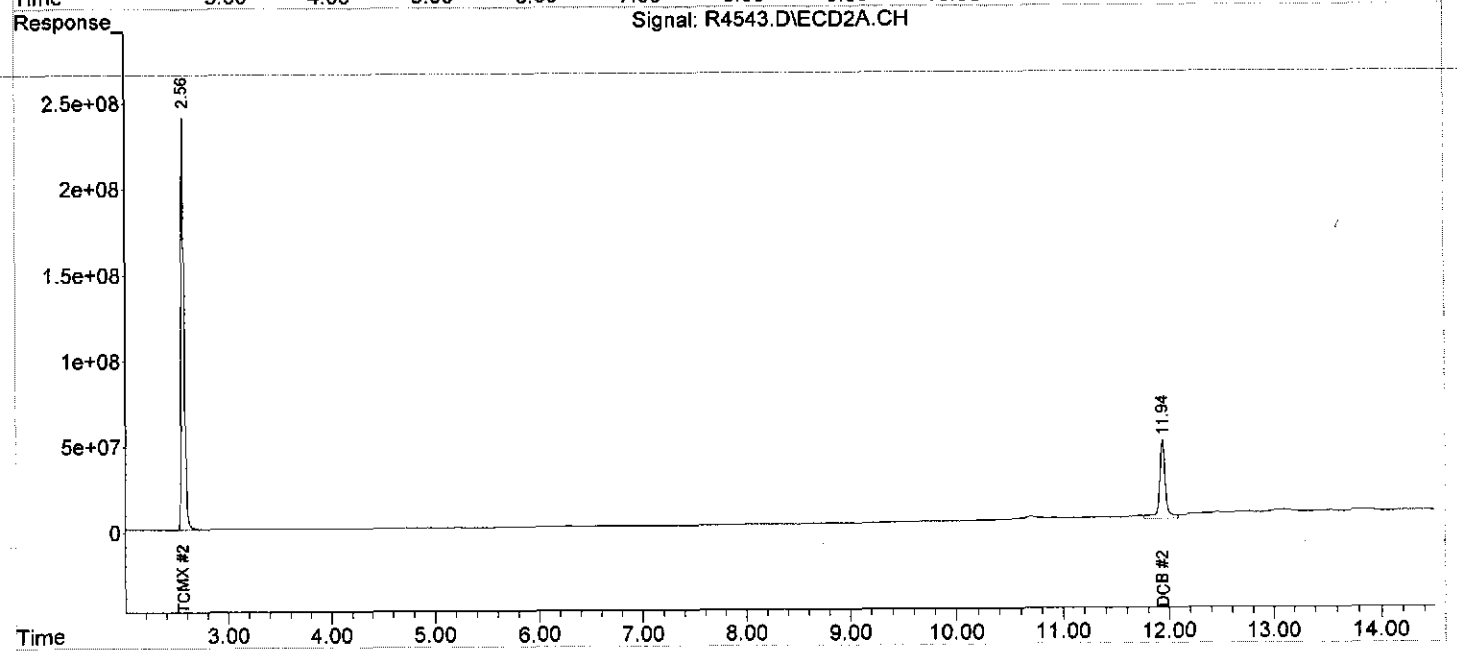
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : R4543.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 12:34
Operator : JS
Sample : U-45_(4.0-,09481-017,S,5.23g,21.1,10/01/13,4
Misc : 131001-08,09/26/13,09/26/13,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 03 14:22:58 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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\10-01-13\
Data File : Y1929.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Oct 2013 17:39
Operator : NG
Sample : FB-12,09481-018,A,1000ml,100,09/30/13,1
Misc : 130930-19,09/26/13,09/26/13,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 02 09:57:10 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial 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	2.77	2.89	3024.0E6	6187.4E6	163.790	168.481
Spiked Amount 200.000			Recovery	=	81.89%	84.24%
2) S DCB	12.04	12.48	723.0E6	1921.1E6	117.320	148.733 #
Spiked Amount 200.000			Recovery	=	58.66%	74.37%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

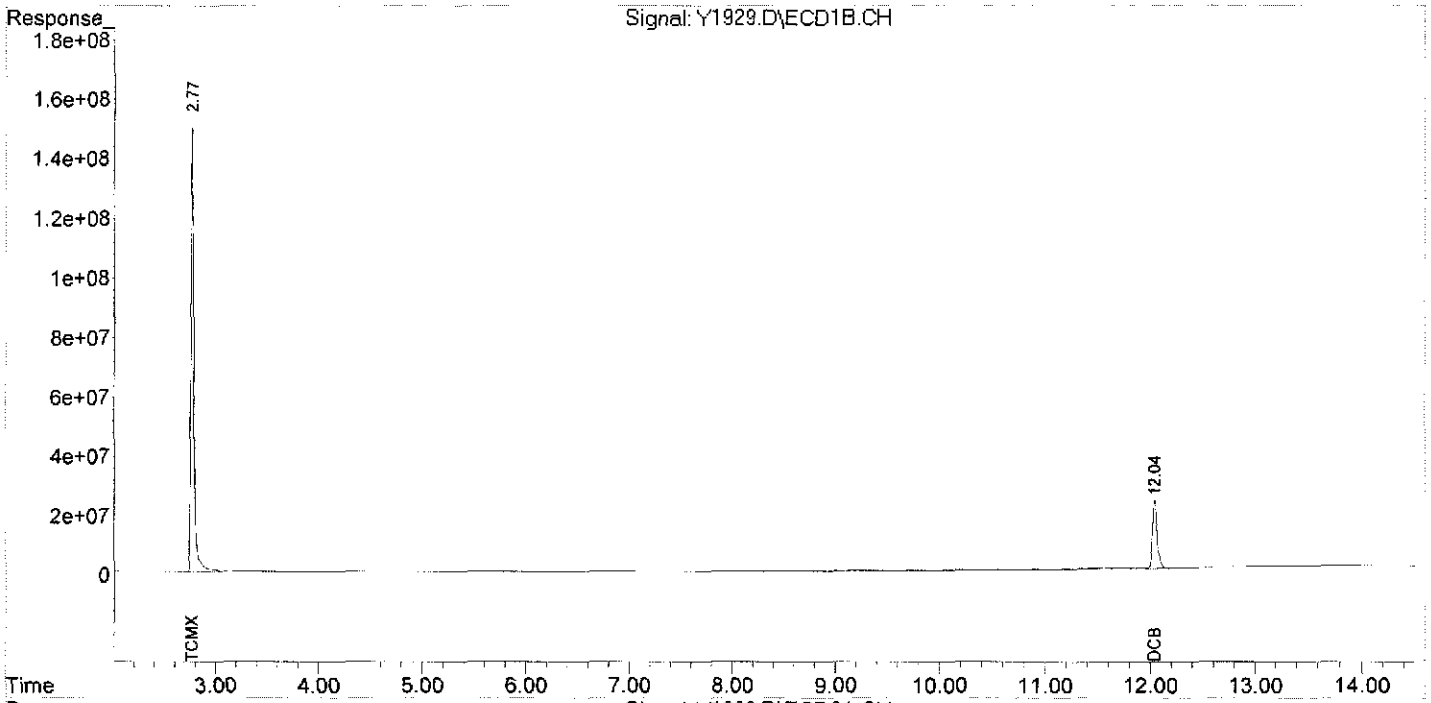
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

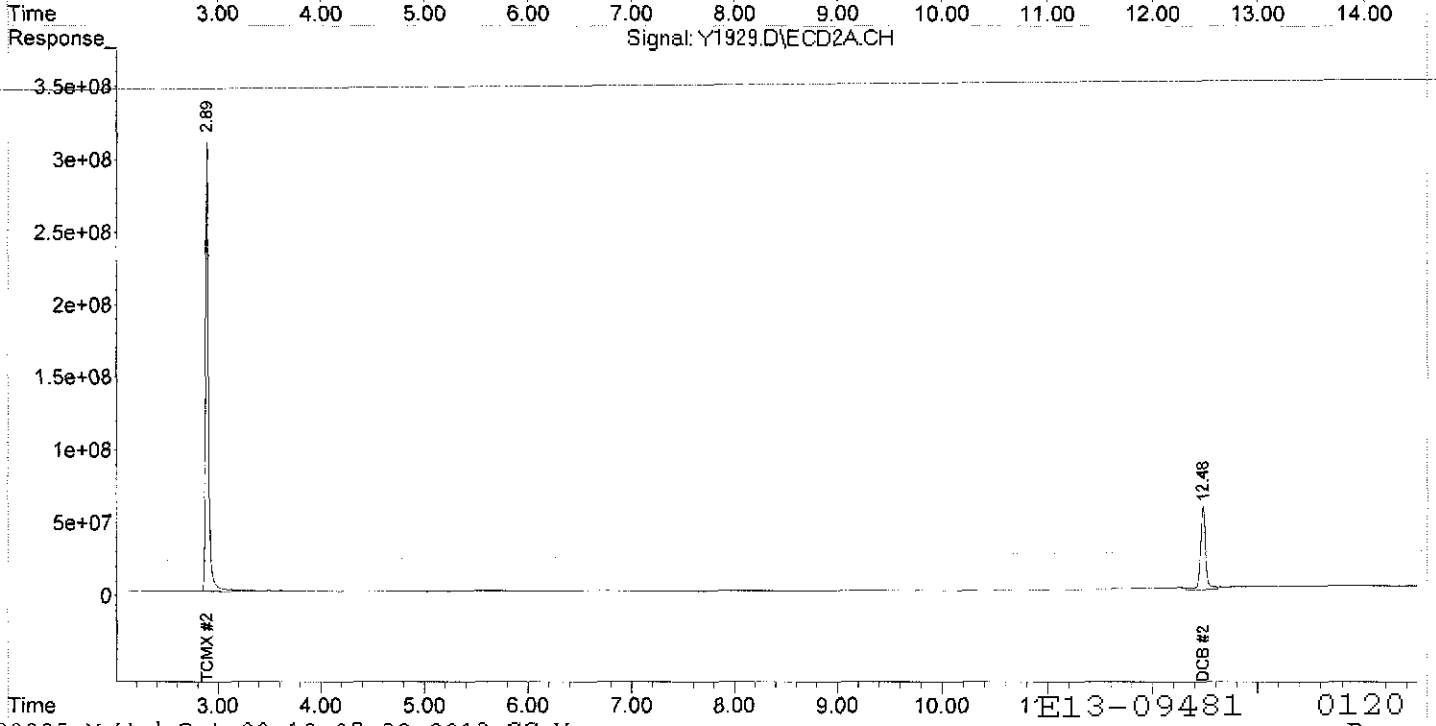
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-01-13\
Data File : Y1929.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Oct 2013 17:39
Operator : NG
Sample : FB-12,09481-018,A,1000ml,100,09/30/13,1
Misc : 130930-19,09/26/13,09/26/13,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 02 09:57:10 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial 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: BLKA130923-16
Client ID: PCB
Date Received: NA
Date Extracted: 09/23/2013
Date Analyzed: 09/24/2013
Data file: R4385.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

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

E13-09481 0121

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKA130930-19
Client ID: PCB
Date Received: NA
Date Extracted: 09/30/2013
Date Analyzed: 10/01/2013
Data file: Y1920.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

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve
B --- Compound detected in Blank
C --- Common laboratory contamination

E13-09481 0122

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-01-13\
Data File : Y1920.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Oct 2013 14:48
Operator : NG
Sample : PCB,BLKA130930-19,A,1000ml,100,09/30/13,1
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 01 15:02:10 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial 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	2.77	2.90	3171.3E6	7470.9E6	171.771	203.432
Spiked Amount 200.000			Recovery	=	85.89%	101.72%
2) S DCB	12.04	12.49	709.6E6	1710.6E6	115.142	132.433
Spiked Amount 200.000			Recovery	=	57.57%	66.22%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

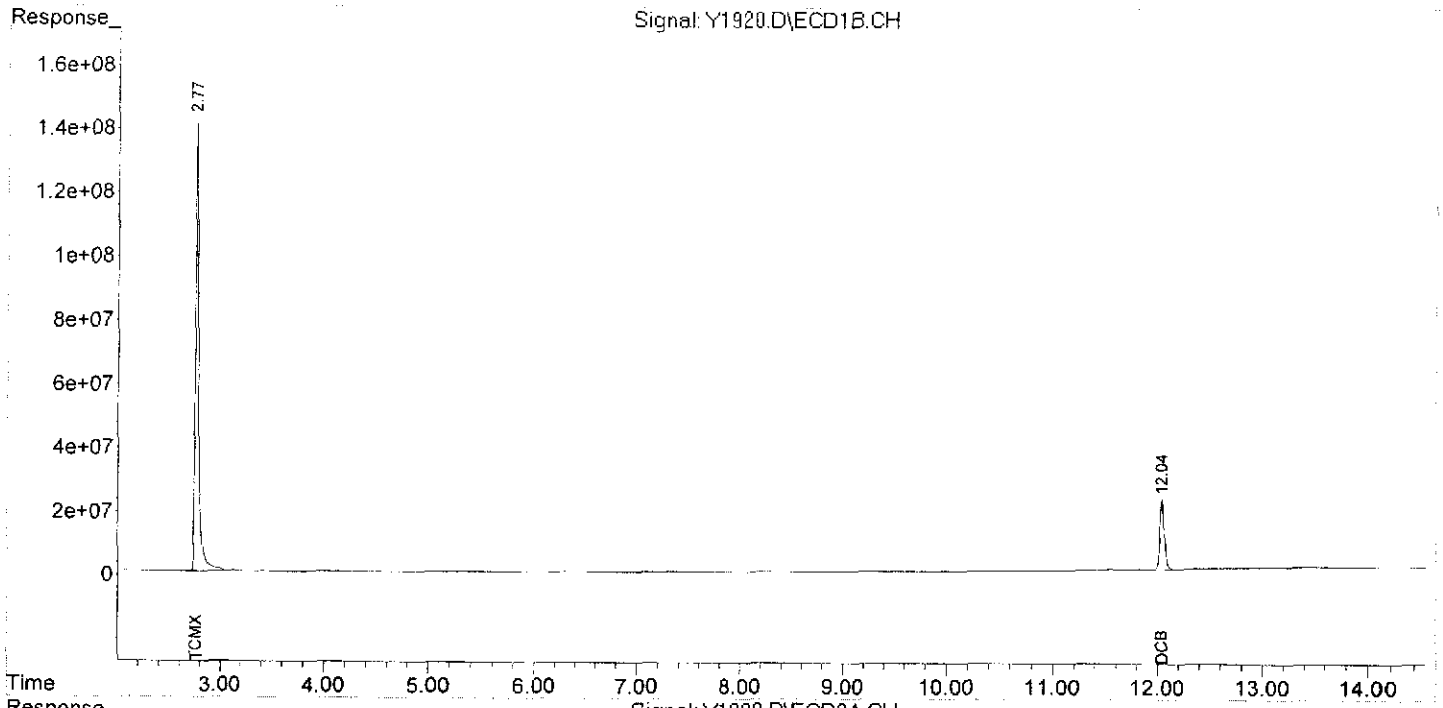
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

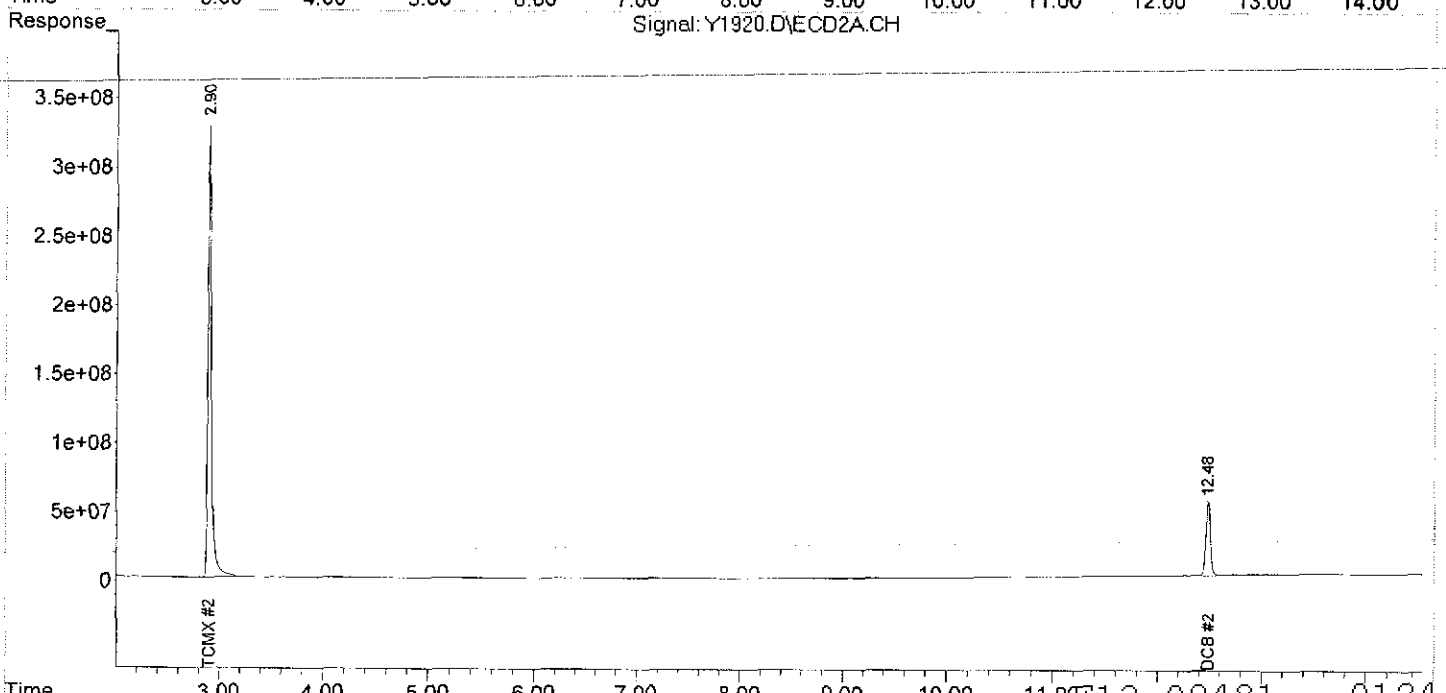
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-01-13\
Data File : Y1920.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Oct 2013 14:48
Operator : NG
Sample : PCB,BLKA130930-19,A,1000ml,100,09/30/13,1
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 01 15:02:10 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial 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: BLKS131001-07
Client ID: PCB
Date Received: NA
Date Extracted: 10/01/2013
Date Analyzed: 10/02/2013
Data file: Y1938.D

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

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

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

E13-09481 0125

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : Y1938.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 11:18
Operator : NG
Sample : PCB,BLKS131001-07,S,5.00g,0,10/01/13,4
Misc : NA,NA,NA,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 02 15:36:06 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial 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	2.77	2.89	3496.0E6	6908.6E6	189.357	188.120
Spiked Amount 200.000			Recovery	=	94.68%	94.06%
2) S DCB	12.04	12.48	807.4E6	2015.3E6	131.000	156.021
Spiked Amount 200.000			Recovery	=	65.50%	78.01%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

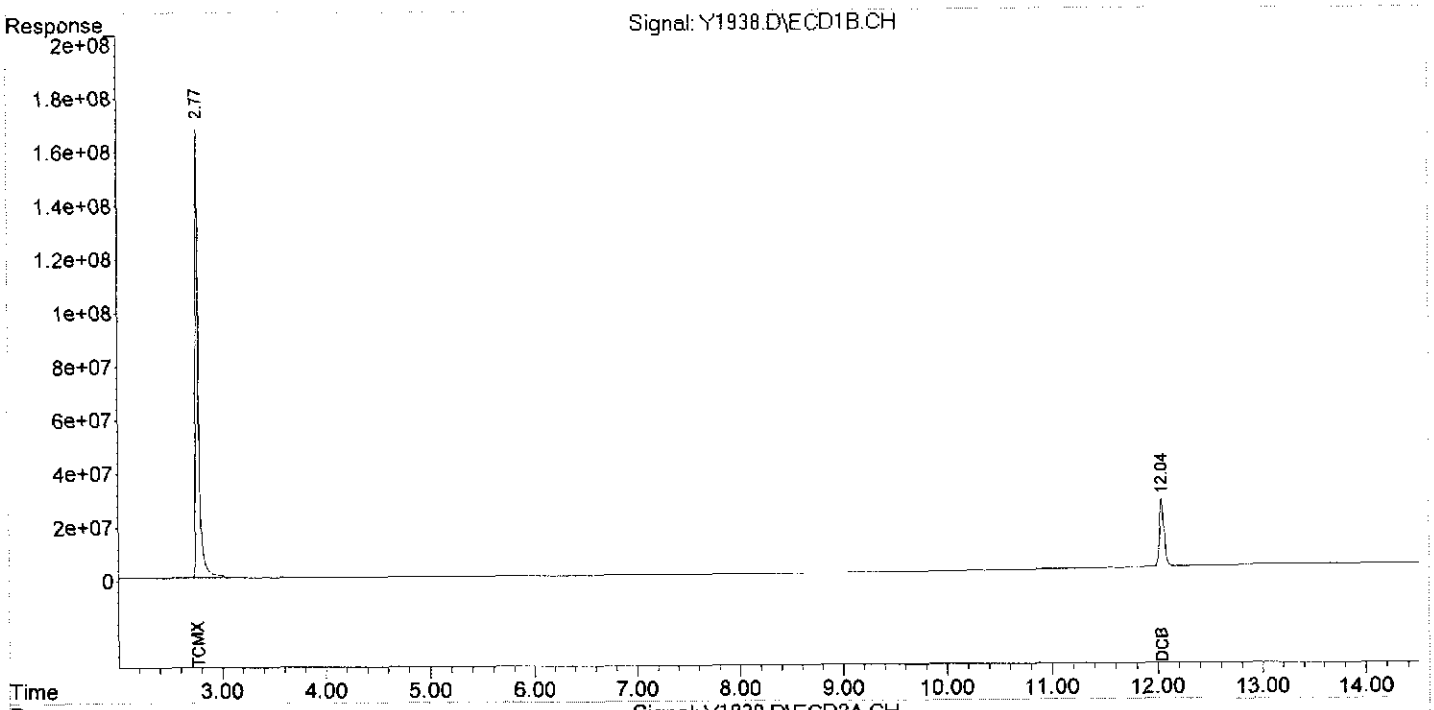
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

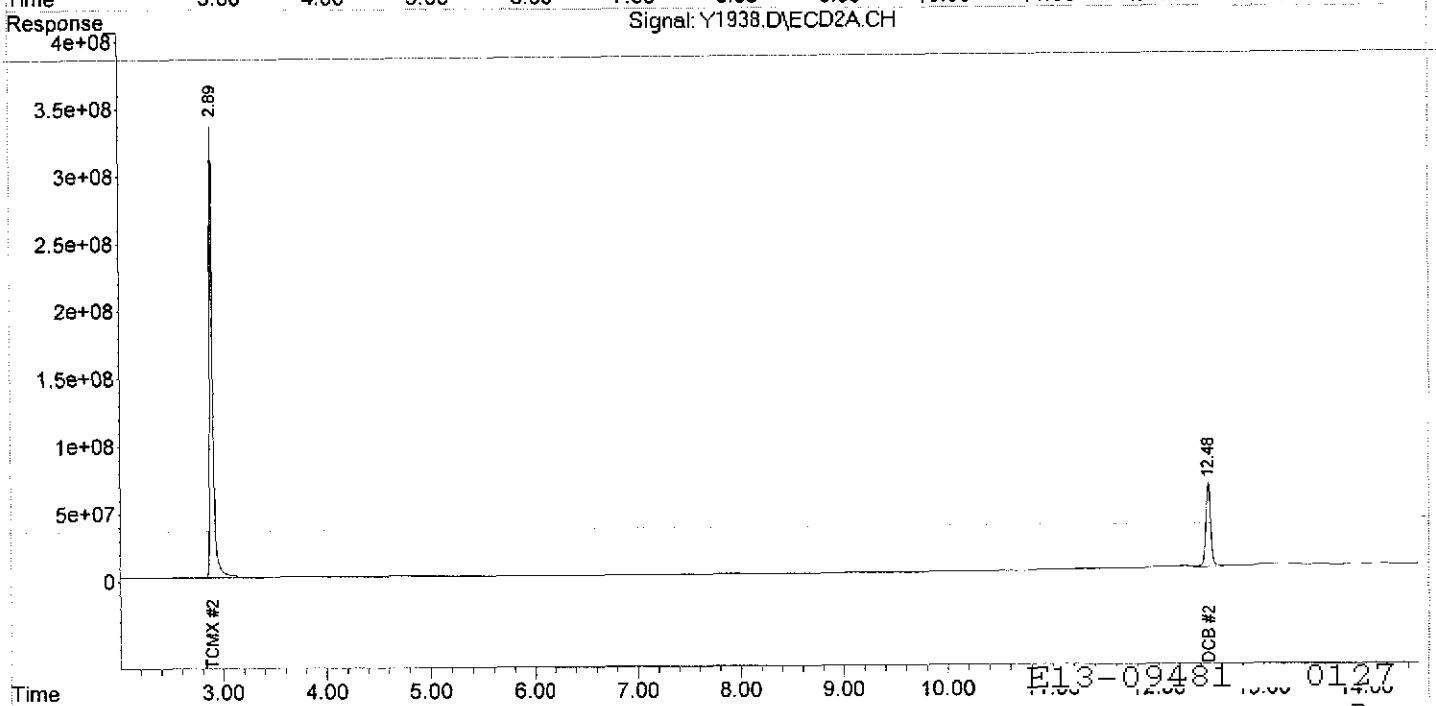
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : Y1938.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 11:18
Operator : NG
Sample : PCB,BLKS131001-07,S,5.00g,0,10/01/13,4
Misc : NA,NA,NA,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 02 15:36:06 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial 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: BLKS131001-08
Client ID: PCB
Date Received: NA
Date Extracted: 10/01/2013
Date Analyzed: 10/02/2013
Data file: R4529.D

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

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

D --- Dilution Performed
J --- Value Less than RL & great than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : R4529.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 8:22
Operator : JS
Sample : PCB,BLKS131001-08,S,5.00g,0,10/01/13,4
Misc : NA,NA,NA,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 02 08:59:09 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial 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	2.74	2.56	2308.4E6	4411.7E6	197.322	200.312
Spiked Amount 200.000			Recovery	=	98.66%	100.16%
2) S DCB	12.08	11.94	737.1E6	1393.7E6	197.329	214.944
Spiked Amount 200.000			Recovery	=	98.66%	107.47%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-02-13\
Data File : R4529.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Oct 2013 8:22
Operator : JS
Sample : PCB,BLKS131001-08,S,5.00g,0,10/01/13,4
Misc : NA,NA,NA,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 02 08:59:09 2013
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Response via : Initial Calibration
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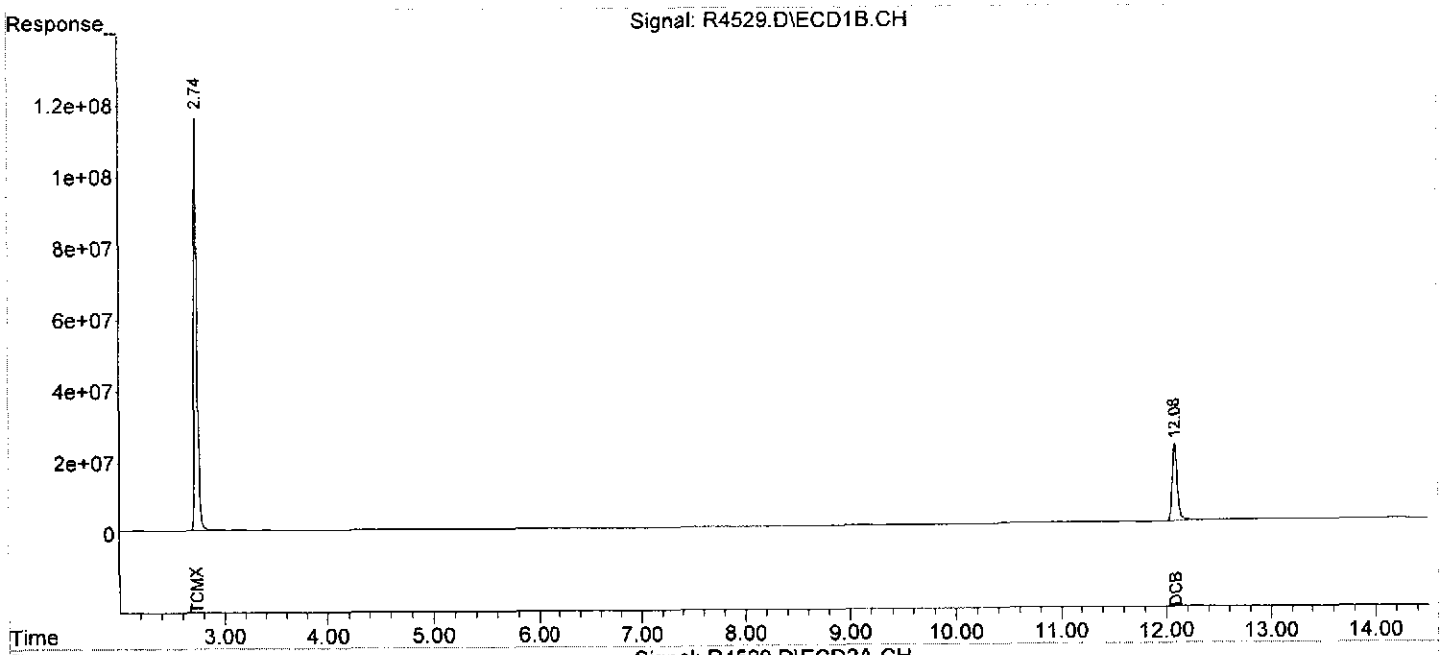
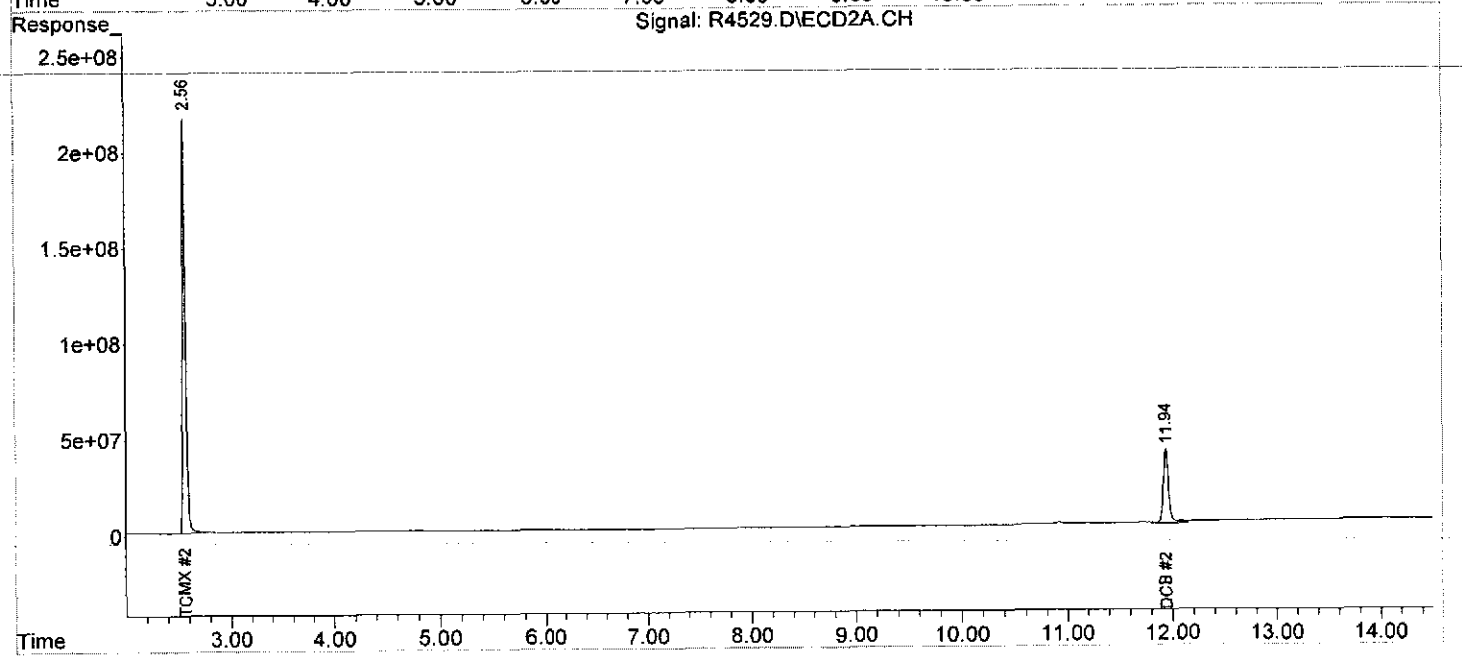
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





SAMPLE TRACKING

IAL
Integrated Analytical Laboratories LLC

Integrated Analytical Labs
273 Franklin Rd
Randolph, NJ 07869

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

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

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

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

PHC - MUST CHOOSE

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

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

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

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

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

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

Cooler Temp <4 °C

SAMPLE INFORMATION

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

ANALYTICAL PARAMETERS / # BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NaOH/ZnAc	Sterile
Q-49 (0-1.0)		9/26/13	9:07	S	1	1	x						
Q-49 (1.0-2.0)			9:08	S	1	2	x						
Q-50 (0-1.0)			9:28	S	1	3	x						
Q-50 (1.0-2.0)			9:29	S	1	4	x						
P-49 (0-1.0)			9:45	S	1	5	x						
P-49 (1.0-2.0)			9:46	S	1	6	x						
P-50 (0-1.0)			10:30	S	1	7	x						
P-50 (1.0-2.0)			10:31	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:	9/26/13		Received by:	9/26/13	1530
Relinquished by:	9/26/13	1705	Received by:	9/26/13	1705
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 09481

PAGE: 1 of 3

LAB COPY - WHITE & YELLOW; CLIENT COPY - PINK

10/2010 rev

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

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

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

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

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

PHC - MUST CHOOSE

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

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

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

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

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

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

Cooler Temp 4 °C

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

SAMPLE INFORMATION

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NaOH/ZNAc	Sterile
O-48 (0-1.0)		9/26/13	11:07	S	1	9	x						
O-48 (1.0-2.0)			11:08	S	1	10	x						
O-48 (2.0-3.0)			11:09	S	1	11	x						
O-48 (3.0-4.0)			11:10	S	1	12	x						
S-50 (0-1.0)			11:55	S	1	13	x						
S-50 (1.0-2.0)			11:56	S	1	14	x						
R-50 (0-1.0)			12:15	S	1	15	x						
R-50 (1.0-2.0)			12:16	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:		9/26/13		Received by:		9/26/13	0530
Relinquished by:		9/26/13		Received by:		9/26/13	1705
Relinquished by:				Received by:			
Relinquished by:				Received by:			
Relinquished by:				Received by:			

Comments:

Lab Case # 09481

PAGE: 2 of 3

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Point Pleasant, NJ 08742	
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Fax #: (732) 295-2150	FAX # (732) 295-2150
Project Manager: James Clabby	INVOICE TO: Aceto Corp.
EMAIL Address: jclabby@jmcenvironmental.com	Address: 4 Tri Harbor Court
Sampler: Steve Koech, Chris Cho	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%

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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

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
U-45(4.0-5.0)		9/26/13	2:15pm	S	1	17	X						
FB-12		9/26/13	3:00pm	aq	2	18	X						
							X						
							X						
							X						
							X						
							X						
							X						

BOTTLES & PRESERVATIVES

Known Hazard: Yes or No Describe:

Conc. Expected: Low Med High

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

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

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

	Signature/Company	Date	Time		Signature/Company	Date	Time
Relinquished by:		9/26/13		Received by:		9/26/13	1530
Relinquished by:		9/26/13	1530	Received by:		9/26/13	1705
Relinquished by:				Received by:			
Relinquished by:				Received by:			
Relinquished by:				Received by:			

Comments:

Lab Case # 09481

PAGE: 3 of 3

LAB COPY - WHITE & YELLOW; CLIENT COPY - PINK

H13-0048-01134

PROJECT INFORMATION

E13-09481: ARSYNCO

To: Jim Clabby
JMC Environmental Consultants
Fax: 1(732) 295-2150
EMail: jclabby@jmcenvironmental.com; ah

Report To

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

Bill To

JMC Environmental Consultants
Aceto Corp.
4 Tri Harbor Court
Port Washington, NY 11050
Attn: Mr. Ed Kelly

Report Format	P.O. #	Received At Lab	TPHC Due	Verbal Due	Hardcopy Due
Reduced	22126	Sep 26, 2013 @ 17:05	NA	Oct 11, 2013	Oct 18, 2013 *

* Any ***Conditional or Hold*** status will delay final hardcopy report sent date.

Diskette Req. SRP TXT

**** QC Requirement (must meet):** NJ SRS

Lab ID	Client Sample ID	Depth	Sampling Time	Matrix	Unit	Field pH/Temp
09481-001	Q-49 (0-1.0)	0/1	09/26/13@09:07	Soil	mg/Kg (ppm)	
09481-002	Q-49 (1.0-2.0)	1/2	09/26/13@09:08	Soil	mg/Kg (ppm)	
09481-003	Q-50 (0-1.0)	0/1	09/26/13@09:28	Soil	mg/Kg (ppm)	
09481-004	Q-50 (1.0-2.0)	1/2	09/26/13@09:29	Soil	mg/Kg (ppm)	
09481-005	P-49 (0-1.0)	0/1	09/26/13@09:45	Soil	mg/Kg (ppm)	
09481-006	P-49 (1.0-2.0)	1/2	09/26/13@09:46	Soil	mg/Kg (ppm)	
09481-007	P-50 (0-1.0)	0/1	09/26/13@10:30	Soil	mg/Kg (ppm)	
09481-008	P-50 (1.0-2.0)	1/2	09/26/13@10:31	Soil	mg/Kg (ppm)	
09481-009	O-48 (0-1.0)	0/1	09/26/13@11:07	Soil	mg/Kg (ppm)	
09481-010	O-48 (1.0-2.0)	1/2	09/26/13@11:08	Soil	mg/Kg (ppm)	
09481-011	O-48 (2.0-3.0)	2/3	09/26/13@11:09	Soil	mg/Kg (ppm)	
09481-012	O-48 (3.0-4.0)	3/4	09/26/13@11:10	Soil	mg/Kg (ppm)	
09481-013	S-50 (0-1.0)	0/1	09/26/13@11:55	Soil	mg/Kg (ppm)	
09481-014	S-50 (1.0-2.0)	1/2	09/26/13@11:56	Soil	mg/Kg (ppm)	
09481-015	R-50 (0-1.0)	0/1	09/26/13@12:15	Soil	mg/Kg (ppm)	
09481-016	R-50 (1.0-2.0)	1/2	09/26/13@12:16	Soil	mg/Kg (ppm)	
09481-017	U-45 (4.0-5.0)	4/5	09/26/13@13:15	Soil	mg/Kg (ppm)	
09481-018	FB-12	NA	09/26/13@14:00	Aqueous	mg/L (ppm)	

Sample #	Test	Status	QA Method	TAT	Holding Time Expires
001	TCL PCB	Analyze	8082	STD/2 WKS	10/10/2013
002	TCL PCB	Analyze	8082	STD/2 WKS	10/10/2013
003	TCL PCB	Analyze	8082	STD/2 WKS	10/10/2013
004	TCL PCB	Analyze	8082	STD/2 WKS	10/10/2013
005	TCL PCB	Analyze	8082	STD/2 WKS	10/10/2013

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Randolph, NJ 07869
Phone: 973 361 4252
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PROJECT INFORMATION

E13-09481: ARSYNCO

Sample #	Test	Status	QA Method	TAT	Holding Time Expires
006	TCL PCB	Analyze	8082	STD/2 WKS	10/10/2013
007	TCL PCB	Analyze	8082	STD/2 WKS	10/10/2013
008	TCL PCB	Analyze	8082	STD/2 WKS	10/10/2013
009	TCL PCB	Analyze	8082	STD/2 WKS	10/10/2013
010	TCL PCB	Analyze	8082	STD/2 WKS	10/10/2013
011	TCL PCB	Analyze	8082	STD/2 WKS	10/10/2013
012	TCL PCB	Analyze	8082	STD/2 WKS	10/10/2013
013	TCL PCB	Analyze	8082	STD/2 WKS	10/10/2013
014	TCL PCB	Analyze	8082	STD/2 WKS	10/10/2013
015	TCL PCB	Analyze	8082	STD/2 WKS	10/10/2013
016	TCL PCB	Analyze	8082	STD/2 WKS	10/10/2013
017	TCL PCB	Analyze	8082	STD/2 WKS	10/10/2013
018	TCL PCB	Analyze	8082	STD/2 WKS	10/3/2013

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INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 13** **09481** CLIENT: JMC

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

COC: (COMPLETE) / INCOMPLETE

Comments

KEY

✓ = **YES/NA**
✗ = **NO**

VOA received: (check one) ☐ Encore ☐ Terra Core ☐ IGW - Methanol ☐ No Preservative

✓ 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]
☐ Multiphasic Sample
☐ 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 [illegible] DATE 9/26/13

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 [illegible] DATE 9/27/13

Laboratory Custody Chronicle

IAL Case No.

E13-09481

Client JMC Environmental Consultants

Project ARSYNCO

Received On 9/26/2013@17:05

Department: GC

			Prep. Date	***Analyst***	***Analysis Date***	***Analyst***
TCL PCB	09481-001	Soil	10/ 1/13	Archimede	10/ 2/13	Justyna
"	-002	"	10/ 1/13	Archimede	10/ 2/13	Justyna
"	-003	"	10/ 1/13	Archimede	10/ 2/13	Justyna
"	-004	"	10/ 1/13	Archimede	10/ 2/13	Justyna
"	-005	"	10/ 1/13	Archimede	10/ 2/13	Justyna
"	-006	"	10/ 1/13	Archimede	10/ 2/13	Justyna
"	-007	"	10/ 1/13	Archimede	10/ 2/13	Justyna
"	-008	"	10/ 1/13	Archimede	10/ 2/13	Justyna
"	-009	"	10/ 1/13	Archimede	10/ 2/13	Justyna
"	-010	"	10/ 1/13	Archimede	10/ 2/13	Justyna
"	-011	"	10/ 1/13	Archimede	10/ 2/13	Justyna
"	-012	"	10/ 1/13	Archimede	10/ 2/13	Justyna
"	-013	"	10/ 1/13	Archimede	10/ 2/13	Justyna
"	-014	"	10/ 1/13	Archimede	10/ 2/13	Justyna
"	-015	"	10/ 1/13	Archimede	10/ 2/13	Justyna
"	-016	"	10/ 1/13	Archimede	10/ 2/13	Justyna
"	-017	"	10/ 1/13	Archimede	10/ 2/13	Justyna
"	-018	Aqueous	9/30/13	Archimede	10/ 1/13	Justyna

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