Integrated Analytical Laboratories LLC

# *ANALYTICAL DATA REPORT*

JMC Environmental Consultants
2109 Bridge Avenue
Building B
Point Pleasant, NJ 08742

Project Name: **ARSYNCO**
IAL Case Number: **E12-07070**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

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

# Sample Summary

**IAL Case No.**

**E12-07070**

**Client** JMC Environmental Consultants

**Project** ARSYNCO

**Received On** 7/16/2012@16:35

| Lab ID | Client Sample ID | Depth Top/Bottom | Sampling Time | Matrix | # of Container |
|---|---|---|---|---|---|
| 07070-001 | T-42 (0-2.0) | 0/2 | 7/16/2012@09:07 | Soil | 1 |
| 07070-002 | T-42 (2.0-3.0) | 2/3 | 7/16/2012@09:08 | Soil | 1 |
| 07070-003 | T-42 (3.0-4.0) | 3/4 | 7/16/2012@09:09 | Soil | 1 |
| 07070-004 | T-42 (4.0-6.0) | 4/6 | 7/16/2012@09:10 | Soil | 1 |
| 07070-005 | T-42 (6.0-8.0) | 6/8 | 7/16/2012@09:11 | Soil | 1 |
| 07070-006 | S-43 (0-2.0) | 0/2 | 7/16/2012@09:35 | Soil | 1 |
| 07070-007 | S-43 (2.0-4.0) | 2/4 | 7/16/2012@09:36 | Soil | 1 |
| 07070-008 | S-43 (4.0-6.0) | 4/6 | 7/16/2012@09:37 | Soil | 1 |
| 07070-009 | S-43 (6.0-8.0) | 6/8 | 7/16/2012@09:38 | Soil | 1 |
| 07070-010 | S-43 (8.0-10.0) | 8/10 | 7/16/2012@09:39 | Soil | 1 |
| 07070-011 | R-44 (0-2.0) | 0/2 | 7/16/2012@10:04 | Soil | 1 |
| 07070-012 | R-44 (2.0-4.0) | 2/4 | 7/16/2012@10:05 | Soil | 1 |
| 07070-013 | R-44 (4.0-6.0) | 4/6 | 7/16/2012@10:06 | Soil | 1 |
| 07070-014 | R-46 (0-2.0) | 0/2 | 7/16/2012@10:25 | Soil | 1 |
| 07070-015 | R-46 (2.0-4.0) | 2/4 | 7/16/2012@10:26 | Soil | 1 |
| 07070-016 | R-46 (4.0-6.0) | 4/6 | 7/16/2012@10:27 | Soil | 1 |
| 07070-017 | P-47 (0-2.0) | 0/2 | 7/16/2012@10:46 | Soil | 1 |
| 07070-018 | P-47 (2.0-4.0) | 2/4 | 7/16/2012@10:47 | Soil | 1 |
| 07070-019 | P-47 (4.0-6.0) | 4/6 | 7/16/2012@10:48 | Soil | 1 |
| 07070-020 | O-43 (0-2.0) | 0/2 | 7/16/2012@11:10 | Soil | 1 |
| 07070-021 | O-43 (2.0-4.0) | 2/4 | 7/16/2012@11:11 | Soil | 1 |
| 07070-022 | O-43 (4.0-6.0) | 4/6 | 7/16/2012@11:12 | Soil | 1 |
| 07070-023 | O-43 (6.0-8.0) | 6/8 | 7/16/2012@11:13 | Soil | 1 |
| 07070-024 | P-42 (0-2.0) | 0/2 | 7/16/2012@11:35 | Soil | 1 |
| 07070-025 | P-42 (2.0-4.0) | 2/4 | 7/16/2012@11:37 | Soil | 1 |
| 07070-026 | P-42 (4.0-6.0) | 4/6 | 7/16/2012@11:38 | Soil | 1 |
| 07070-027 | P-41 (0-2.0) | 0/2 | 7/16/2012@11:58 | Soil | 1 |
| 07070-028 | P-41 (2.0-4.0) | 2/4 | 7/16/2012@11:59 | Soil | 1 |
| 07070-029 | P-41 (4.0-5.0) | 4/5 | 7/16/2012@12:01 | Soil | 1 |
| 07070-030 | P-41 (5.0-6.0) | 5/6 | 7/16/2012@12:02 | Soil | 1 |
| 07070-031 | P-41 (6.0-8.0) | 6/8 | 7/16/2012@12:03 | Soil | 1 |
| 07070-032 | Q-40 (0-2.0) | 0/2 | 7/16/2012@12:30 | Soil | 1 |
| 07070-033 | Q-40 (2.0-4.0) | 2/4 | 7/16/2012@12:31 | Soil | 1 |
| 07070-034 | Q-40 (4.0-6.0) | 4/6 | 7/16/2012@12:33 | Soil | 1 |
| 07070-035 | Q-40 (6.0-8.0) | 6/8 | 7/16/2012@12:35 | Soil | 1 |
| 07070-036 | Q-41 (0-2.0) | 0/2 | 7/16/2012@13:34 | Soil | 1 |
| 07070-037 | Q-41 (2.0-4.0) | 2/4 | 7/16/2012@13:35 | Soil | 1 |
| 07070-038 | Q-41 (4.0-6.0) | 4/6 | 7/16/2012@13:36 | Soil | 1 |
| 07070-039 | Q-41 (6.0-8.0) | 6/8 | 7/16/2012@13:37 | Soil | 1 |
| 07070-040 | Q-41 (8.0-10.0) | 8/10 | 7/16/2012@13:38 | Soil | 1 |
| 07070-041 | Q-41 (10.0-12.0) | 10/12 | 7/16/2012@13:39 | Soil | 1 |
| 07070-042 | Q-42 (0-2.0) | 0/2 | 7/16/2012@14:06 | Soil | 1 |
| 07070-043 | Q-42 (2.0-4.0) | 2/4 | 7/16/2012@14:07 | Soil | 1 |
| 07070-044 | Q-42 (4.0-6.0) | 4/6 | 7/16/2012@14:08 | Soil | 1 |
| 07070-045 | Q-42 (6.0-8.0) | 6/8 | 7/16/2012@14:09 | Soil | 1 |
| 07070-046 | Q-42 (8.0-10.0) | 8/10 | 7/16/2012@14:10 | Soil | 1 |



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

# Sample Summary

**IAL Case No.**

**E12-07070**

**Client** JMC Environmental Consultants

**Project** ARSYNCO

**Received On** 7/16/2012@16:35

| Lab ID | Client Sample ID | Depth Top/Bottom | Sampling Time | Matrix | # of Container |
|---|---|---|---|---|---|
| 07070-047 | Q-43 (0-2.0) | 0/2 | 7/16/2012@14:27 | Soil | 1 |
| 07070-048 | Q-43 (2.0-4.0) | 2/4 | 7/16/2012@14:28 | Soil | 1 |
| 07070-049 | Q-43 (4.0-6.0) | 4/6 | 7/16/2012@14:29 | Soil | 1 |
| 07070-050 | Q-43 (6.0-8.0) | 6/8 | 7/16/2012@14:30 | Soil | 1 |
| 07070-051 | Q-44 (0-2.0) | 0/2 | 7/16/2012@14:41 | Soil | 1 |
| 07070-052 | Q-44 (2.0-4.0) | 2/4 | 7/16/2012@14:42 | Soil | 1 |
| 07070-053 | Q-44 (4.0-6.0) | 4/6 | 7/16/2012@14:43 | Soil | 1 |
| 07070-054 | R-43 (0-2.0) | 0/2 | 7/16/2012@15:05 | Soil | 1 |
| 07070-055 | R-43 (2.0-4.0) | 2/4 | 7/16/2012@15:06 | Soil | 1 |
| 07070-056 | R-43 (4.0-5.0) | 4/5 | 7/16/2012@15:08 | Soil | 1 |
| 07070-057 | R-43 (5.0-6.0) | 5/6 | 7/16/2012@15:09 | Soil | 1 |
| 07070-058 | R-43 (6.0-8.0) | 6/8 | 7/16/2012@15:10 | Soil | 1 |
| 07070-059 | FB-13 | n/a | 7/16/2012@15:20 | Aqueous | 2 |



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# INTEGRATED ANALYTICAL LABORATORIES, LLC.

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* 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 fifty-eight (58) soil sample(s) from JMC Environmental Consultants (IAL SDG # E12-07070, Project: ARSYNCO) on July 16, 2012 for the analysis of:

(59) TCL PCB

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

Reviewed by

8/2/12
Date

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

Lab Case Number: E12- 07070

| | | No | Yes |
|---|---|---|---|
| 1. | Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks). | | ✓ |
| 2. | Standards Summary submitted. | | ✓ |
| 3. | Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis. | | ✓ |
| 4. | Blank Contamination - If yes, list compounds and concentrations in each blank: | ✓ | |
| 5. | Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range: 07070 # 002,004 Surrogate diluted out | ✓ | |
| 6. | Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range: | | ✓ |
| 7. | Retention Time Shift Meet Criteria (if applicable). | | ✓ |
| 8. | Extraction Holding Time Met. If not met, list number of days exceeded for each sample: | | ✓ |
| 9. | Analysis Holding Time Met. If not met, list number of days exceeded for each sample: | | ✓ |

Comments: please see next page

Organic Manager

07-26-12
Date

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

Additional comments for GC analytical results

Client/ Project: JMC / ARSYNCO

IAL Case Number: E12 - 07070

GC Analysis: PCB'S [X]

PESTICIDES [ ]

HERBICIDES [ ]

(check box for correct analysis)

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

07070 # 003
# 004
# 005
# 010
# 012
# 002
# 011

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

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

Lab Case Number: E12 - 07070

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

Comments:

Organic Manager

07-27-12
Date

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

Lab Case Number: E12 - 07070

| | | No | Yes |
|---|---|---|---|
| 1. | Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks). | | ✓ |
| 2. | Standards Summary submitted. | | ✓ |
| 3. | Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis. | | ✓ |
| 4. | Blank Contamination - If yes, list compounds and concentrations in each blank: | ✓ | |
| 5. | Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range: #049 surrogate diluted out 07070#055 DCB1; #036, 039, 040, 041, 038, 042, 043, 044 | ✓ | |
| 6. | Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range: MS/MSD failed criteria due to matrix interference | ✓ | |
| 7. | Retention Time Shift Meet Criteria (if applicable). | | ✓ |
| 8. | Extraction Holding Time Met. If not met, list number of days exceeded for each sample: | | ✓ |
| 9. | Analysis Holding Time Met. If not met, list number of days exceeded for each sample: | | ✓ |

Comments: please see next page

Organic Manager

7/30/12
Date

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

Additional comments for GC analytical results

Client/ Project: JMC / ARSYNCO

IAL Case Number: E12 - 07070

GC Analysis: PCB'S [X]

PESTICIDES [ ]

HERBICIDES [ ]

(check box for correct analysis)

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

07070 # 035
# 039
#051

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



rev 01/12

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

Lab Case Number: E12- 07070

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

Comments:

Organic Manager

07-31-12
Date

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

Lab Case Number: E12 - 07070

| | | No | Yes |
|---|---|---|---|
| 1. | Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks). | | ✓ |
| 2. | Standards Summary submitted. | | ✓ |
| 3. | Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis. | | ✓ |
| 4. | Blank Contamination - If yes, list compounds and concentrations in each blank: | ✓ | |
| 5. | Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range: 07070# 057 surrogate diluted out | ✓ | |
| 6. | Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range: | | ✓ |
| 7. | Retention Time Shift Meet Criteria (if applicable). | | ✓ |
| 8. | Extraction Holding Time Met. If not met, list number of days exceeded for each sample: | | ✓ |
| 9. | Analysis Holding Time Met. If not met, list number of days exceeded for each sample: | | ✓ |

Comments:

Organic Manager

08-01-12
Date

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

Lab Case Number: E12- 07070

| | | No | Yes |
|---|---|---|---|
| 1. | Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks). | | ✓ |
| 2. | Standards Summary submitted. | | ✓ |
| 3. | Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis. | | ✓ |
| 4. | Blank Contamination - If yes, list compounds and concentrations in each blank: | ✓ | |
| 5. | Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range: surrogate diluted out 07070# 021, 024, 025, 027, 029, 032, 033, MS, MSD | ✓ | |
| 6. | Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range: MS/MSD failed criteria due to matrix interference | ✓ | |
| 7. | Retention Time Shift Meet Criteria (if applicable). | | ✓ |
| 8. | Extraction Holding Time Met. If not met, list number of days exceeded for each sample: | | ✓ |
| 9. | Analysis Holding Time Met. If not met, list number of days exceeded for each sample: | | ✓ |

Comments:

Organic Manager

08-02-12
Date

RESULTS SUMMARY REPORT

# INTEGRATED ANALYTICAL LABORATORIES, LLC.

**SUMMARY REPORT**
**Client: JMC Environmental Consultants**
**Project: ARSYNCO**
**Lab Case No.: E12-07070**

| | | | |
|---|---|---|---|
| **Lab ID:** | **07070-059** | | |
| **Client ID:** | **FB-13** | | |
| **Matrix:** | **Aqueous** | | |
| **Sampled Date** | **7/16/12** | | |
| **PARAMETER(Units)** | Conc | Q | MDL |
| **PCB's (Units)** | *(mg/L-ppm)* | | |
| Aroclor-1016 | ND | | 0.00002 |
| Aroclor-1221 | ND | | 0.00002 |
| Aroclor-1232 | ND | | 0.00002 |
| Aroclor-1242 | ND | | 0.00002 |
| Aroclor-1248 | ND | | 0.00002 |
| Aroclor-1254 | ND | | 0.00002 |
| Aroclor-1260 | ND | | 0.00002 |
| Aroclor-1262 | ND | | 0.00002 |
| Aroclor-1268 | ND | | 0.00002 |
| PCBs | ND | | 0.00002 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab ID:** | **07070-001** | | | **07070-002** | | | **07070-003** | | | **07070-004** | | |
| **Client ID:** | **T-42 (0-2.0)** | | | **T-42 (2.0-3.0)** | | | **T-42 (3.0-4.0)** | | | **T-42 (4.0-6.0)** | | |
| **Depth:** | **0/2** | | | **2/3** | | | **3/4** | | | **4/6** | | |
| **Matrix:** | **Soil** | | | **Soil** | | | **Soil** | | | **Soil** | | |
| **Sampled Date** | **7/16/12** | | | **7/16/12** | | | **7/16/12** | | | **7/16/12** | | |
| **PARAMETER(Units)** | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL |
| **PCB's (Units)** | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | |
| Aroclor-1016 | ND | | 0.161 | ND | | 1.87 | ND | | 0.017 | ND | | 3.43 |
| Aroclor-1221 | ND | | 0.161 | ND | | 1.87 | ND | | 0.017 | ND | | 3.43 |
| Aroclor-1232 | ND | | 0.161 | ND | | 1.87 | ND | | 0.017 | ND | | 3.43 |
| Aroclor-1242 | ND | | 0.161 | ND | | 1.87 | ND | | 0.017 | ND | | 3.43 |
| Aroclor-1248 | ND | | 0.161 | ND | | 1.87 | ND | | 0.017 | ND | | 3.43 |
| Aroclor-1254 | ND | | 0.161 | ND | | 1.87 | ND | | 0.017 | ND | | 3.43 |
| Aroclor-1260 | 30.5 | | 0.161 | 137 | | 1.87 | 2.62 | | 0.017 | 628 | | 3.43 |
| Aroclor-1262 | ND | | 0.161 | ND | | 1.87 | ND | | 0.017 | ND | | 3.43 |
| Aroclor-1268 | ND | | 0.161 | ND | | 1.87 | ND | | 0.017 | ND | | 3.43 |
| PCBs | 30.5 | | 0.161 | 137 | | 1.87 | 2.62 | | 0.017 | 628 | | 3.43 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab ID:** | **07070-005** | | | **07070-006** | | | **07070-007** | | | **07070-008** | | |
| **Client ID:** | **T-42 (6.0-8.0)** | | | **S-43 (0-2.0)** | | | **S-43 (2.0-4.0)** | | | **S-43 (4.0-6.0)** | | |
| **Depth:** | **6/8** | | | **0/2** | | | **2/4** | | | **4/6** | | |
| **Matrix:** | **Soil** | | | **Soil** | | | **Soil** | | | **Soil** | | |
| **Sampled Date** | **7/16/12** | | | **7/16/12** | | | **7/16/12** | | | **7/16/12** | | |
| **PARAMETER(Units)** | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL |
| **PCB's (Units)** | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | |
| Aroclor-1016 | ND | | 0.204 | ND | | 0.085 | ND | | 0.194 | ND | | 0.222 |
| Aroclor-1221 | ND | | 0.204 | ND | | 0.085 | ND | | 0.194 | ND | | 0.222 |
| Aroclor-1232 | ND | | 0.204 | ND | | 0.085 | ND | | 0.194 | ND | | 0.222 |
| Aroclor-1242 | ND | | 0.204 | ND | | 0.085 | ND | | 0.194 | ND | | 0.222 |
| Aroclor-1248 | ND | | 0.204 | 7.75 | | 0.085 | 22.3 | | 0.194 | 27.2 | | 0.222 |
| Aroclor-1254 | ND | | 0.204 | ND | | 0.085 | ND | | 0.194 | ND | | 0.222 |
| Aroclor-1260 | 30.8 | | 0.204 | 15.6 | | 0.085 | ND | | 0.194 | ND | | 0.222 |
| Aroclor-1262 | ND | | 0.204 | ND | | 0.085 | ND | | 0.194 | ND | | 0.222 |
| Aroclor-1268 | ND | | 0.204 | ND | | 0.085 | ND | | 0.194 | ND | | 0.222 |
| PCBs | 30.8 | | 0.204 | 23.4 | | 0.085 | 22.3 | | 0.194 | 27.2 | | 0.222 |

ND = Analyzed for but Not Detected at the MDL

# INTEGRATED ANALYTICAL LABORATORIES, LLC.

## SUMMARY REPORT

**Client: JMC Environmental Consultants**
**Project: ARSYNCO**
**Lab Case No.: E12-07070**

| Lab ID: | 07070-009 | | | 07070-010 | | | 07070-011 | | | 07070-012 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | S-43 (6.0-8.0) | | | S-43 (8.0-10.0) | | | R-44 (0-2.0) | | | R-44 (2.0-4.0) | | |
| Depth: | 6/8 | | | 8/10 | | | 0/2 | | | 2/4 | | |
| Matrix: | Soil | | | Soil | | | Soil | | | Soil | | |
| Sampled Date | 7/16/12 | | | 7/16/12 | | | 7/16/12 | | | 7/16/12 | | |
| PARAMETER(Units) | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL |
| PCB's (Units) | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | |
| Aroclor-1016 | ND | | 0.452 | ND | | 0.019 | ND | | 0.181 | ND | | 0.019 |
| Aroclor-1221 | ND | | 0.452 | ND | | 0.019 | ND | | 0.181 | ND | | 0.019 |
| Aroclor-1232 | ND | | 0.452 | ND | | 0.019 | ND | | 0.181 | ND | | 0.019 |
| Aroclor-1242 | ND | | 0.452 | ND | | 0.019 | ND | | 0.181 | ND | | 0.019 |
| Aroclor-1248 | 24.7 | | 0.452 | 1.32 | | 0.019 | 7.94 | | 0.181 | 4.04 | | 0.019 |
| Aroclor-1254 | ND | | 0.452 | ND | | 0.019 | ND | | 0.181 | ND | | 0.019 |
| Aroclor-1260 | ND | | 0.452 | 0.797 | | 0.019 | 13.2 | | 0.181 | 1.97 | | 0.019 |
| Aroclor-1262 | ND | | 0.452 | ND | | 0.019 | ND | | 0.181 | ND | | 0.019 |
| Aroclor-1268 | ND | | 0.452 | ND | | 0.019 | ND | | 0.181 | ND | | 0.019 |
| PCBs | 24.7 | | 0.452 | 2.12 | | 0.019 | 21.1 | | 0.181 | 6.01 | | 0.019 |

| Lab ID: | 07070-013 | | | 07070-014 | | | 07070-015 | | | 07070-016 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | R-44 (4.0-6.0) | | | R-46 (0-2.0) | | | R-46 (2.0-4.0) | | | R-46 (4.0-6.0) | | |
| Depth: | 4/6 | | | 0/2 | | | 2/4 | | | 4/6 | | |
| Matrix: | Soil | | | Soil | | | Soil | | | Soil | | |
| Sampled Date | 7/16/12 | | | 7/16/12 | | | 7/16/12 | | | 7/16/12 | | |
| PARAMETER(Units) | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL |
| PCB's (Units) | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | |
| Aroclor-1016 | ND | | 0.022 | ND | | 0.086 | ND | | 0.017 | ND | | 0.028 |
| Aroclor-1221 | ND | | 0.022 | ND | | 0.086 | ND | | 0.017 | ND | | 0.028 |
| Aroclor-1232 | ND | | 0.022 | ND | | 0.086 | ND | | 0.017 | ND | | 0.028 |
| Aroclor-1242 | ND | | 0.022 | ND | | 0.086 | ND | | 0.017 | ND | | 0.028 |
| Aroclor-1248 | ND | | 0.022 | 22.9 | | 0.086 | 0.707 | | 0.017 | ND | | 0.028 |
| Aroclor-1254 | ND | | 0.022 | ND | | 0.086 | ND | | 0.017 | ND | | 0.028 |
| Aroclor-1260 | ND | | 0.022 | 16.6 | | 0.086 | 0.676 | | 0.017 | ND | | 0.028 |
| Aroclor-1262 | ND | | 0.022 | ND | | 0.086 | ND | | 0.017 | ND | | 0.028 |
| Aroclor-1268 | ND | | 0.022 | ND | | 0.086 | ND | | 0.017 | ND | | 0.028 |
| PCBs | ND | | 0.022 | 39.5 | | 0.086 | 1.38 | | 0.017 | ND | | 0.028 |

| Lab ID: | 07070-017 | | | 07070-018 | | | 07070-019 | | | 07070-020 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | P-47 (0-2.0) | | | P-47 (2.0-4.0) | | | P-47 (4.0-6.0) | | | O-43 (0-2.0) | | |
| Depth: | 0/2 | | | 2/4 | | | 4/6 | | | 0/2 | | |
| Matrix: | Soil | | | Soil | | | Soil | | | Soil | | |
| Sampled Date | 7/16/12 | | | 7/16/12 | | | 7/16/12 | | | 7/16/12 | | |
| PARAMETER(Units) | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL |
| PCB's (Units) | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | |
| Aroclor-1016 | ND | | 0.092 | ND | | 0.018 | ND | | 0.047 | ND | | 0.034 |
| Aroclor-1221 | ND | | 0.092 | ND | | 0.018 | ND | | 0.047 | ND | | 0.034 |
| Aroclor-1232 | ND | | 0.092 | ND | | 0.018 | ND | | 0.047 | ND | | 0.034 |
| Aroclor-1242 | ND | | 0.092 | ND | | 0.018 | ND | | 0.047 | ND | | 0.034 |
| Aroclor-1248 | 30.5 | | 0.092 | 0.419 | | 0.018 | ND | | 0.047 | 14.7 | | 0.034 |
| Aroclor-1254 | ND | | 0.092 | ND | | 0.018 | ND | | 0.047 | ND | | 0.034 |
| Aroclor-1260 | ND | | 0.092 | ND | | 0.018 | ND | | 0.047 | ND | | 0.034 |
| Aroclor-1262 | ND | | 0.092 | ND | | 0.018 | ND | | 0.047 | ND | | 0.034 |
| Aroclor-1268 | ND | | 0.092 | ND | | 0.018 | ND | | 0.047 | ND | | 0.034 |
| PCBs | 30.5 | | 0.092 | 0.419 | | 0.018 | ND | | 0.047 | 14.7 | | 0.034 |

ND = Analyzed for but Not Detected at the MDL

# INTEGRATED ANALYTICAL LABORATORIES, LLC.

## SUMMARY REPORT
**Client: JMC Environmental Consultants**
**Project: ARSYNCO**
**Lab Case No.: E12-07070**

| Lab ID: | 07070-021 | | | 07070-022 | | | 07070-023 | | | 07070-024 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | O-43 (2.0-4.0) | | | O-43 (4.0-6.0) | | | O-43 (6.0-8.0) | | | P-42 (0-2.0) | | |
| Depth: | 2/4 | | | 4/6 | | | 6/8 | | | 0/2 | | |
| Matrix: | Soil | | | Soil | | | Soil | | | Soil | | |
| Sampled Date | 7/16/12 | | | 7/16/12 | | | 7/16/12 | | | 7/16/12 | | |
| PARAMETER(Units) | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL |
| PCB's (Units) | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | |
| Aroclor-1016 | ND | | 2.01 | ND | | 0.232 | ND | | 0.020 | ND | | 1.78 |
| Aroclor-1221 | ND | | 2.01 | ND | | 0.232 | ND | | 0.020 | ND | | 1.78 |
| Aroclor-1232 | ND | | 2.01 | ND | | 0.232 | ND | | 0.020 | ND | | 1.78 |
| Aroclor-1242 | ND | | 2.01 | ND | | 0.232 | ND | | 0.020 | ND | | 1.78 |
| Aroclor-1248 | ND | | 2.01 | ND | | 0.232 | 1.91 | | 0.020 | 60.8 | | 1.78 |
| Aroclor-1254 | 475 | | 2.01 | 66.9 | | 0.232 | ND | | 0.020 | ND | | 1.78 |
| Aroclor-1260 | ND | | 2.01 | 48.4 | | 0.232 | 1.19 | | 0.020 | 46.7 | | 1.78 |
| Aroclor-1262 | ND | | 2.01 | ND | | 0.232 | ND | | 0.020 | ND | | 1.78 |
| Aroclor-1268 | ND | | 2.01 | ND | | 0.232 | ND | | 0.020 | ND | | 1.78 |
| PCBs | 475 | | 2.01 | 115 | | 0.232 | 3.10 | | 0.020 | 108 | | 1.78 |

| Lab ID: | 07070-025 | | | 07070-026 | | | 07070-027 | | | 07070-028 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | P-42 (2.0-4.0) | | | P-42 (4.0-6.0) | | | P-41 (0-2.0) | | | P-41 (2.0-4.0) | | |
| Depth: | 2/4 | | | 4/6 | | | 0/2 | | | 2/4 | | |
| Matrix: | Soil | | | Soil | | | Soil | | | Soil | | |
| Sampled Date | 7/16/12 | | | 7/16/12 | | | 7/16/12 | | | 7/16/12 | | |
| PARAMETER(Units) | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL |
| PCB's (Units) | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | |
| Aroclor-1016 | ND | | 2.11 | ND | | 0.022 | ND | | 1.63 | ND | | 0.185 |
| Aroclor-1221 | ND | | 2.11 | ND | | 0.022 | ND | | 1.63 | ND | | 0.185 |
| Aroclor-1232 | ND | | 2.11 | ND | | 0.022 | ND | | 1.63 | ND | | 0.185 |
| Aroclor-1242 | ND | | 2.11 | ND | | 0.022 | ND | | 1.63 | ND | | 0.185 |
| Aroclor-1248 | ND | | 2.11 | 7.10 | | 0.022 | 97.9 | | 1.63 | 19.3 | | 0.185 |
| Aroclor-1254 | 165 | | 2.11 | 5.57 | | 0.022 | 81.3 | | 1.63 | 17.4 | | 0.185 |
| Aroclor-1260 | ND | | 2.11 | ND | | 0.022 | ND | | 1.63 | ND | | 0.185 |
| Aroclor-1262 | ND | | 2.11 | ND | | 0.022 | ND | | 1.63 | ND | | 0.185 |
| Aroclor-1268 | ND | | 2.11 | ND | | 0.022 | ND | | 1.63 | ND | | 0.185 |
| PCBs | 165 | | 2.11 | 12.7 | | 0.022 | 179 | | 1.63 | 36.7 | | 0.185 |

ND = Analyzed for but Not Detected at the MDL

# INTEGRATED ANALYTICAL LABORATORIES, LLC.

**SUMMARY REPORT**
**Client: JMC Environmental Consultants**
**Project: ARSYNCO**
**Lab Case No.: E12-07070**

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab ID:** | **07070-029** | | | **07070-030** | | | **07070-031** | | | **07070-032** | | |
| **Client ID:** | **P-41 (4.0-5.0)** | | | **P-41 (5.0-6.0)** | | | **P-41 (6.0-8.0)** | | | **Q-40 (0-2.0)** | | |
| **Depth:** | **4/5** | | | **5/6** | | | **6/8** | | | **0/2** | | |
| **Matrix:** | **Soil** | | | **Soil** | | | **Soil** | | | **Soil** | | |
| **Sampled Date** | **7/16/12** | | | **7/16/12** | | | **7/16/12** | | | **7/16/12** | | |
| **PARAMETER(Units)** | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL |
| **PCB's (Units)** | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | |
| Aroclor-1016 | ND | | 30.4 | ND | | 0.046 | ND | | 0.179 | ND | | 1.57 |
| Aroclor-1221 | ND | | 30.4 | ND | | 0.046 | ND | | 0.179 | ND | | 1.57 |
| Aroclor-1232 | ND | | 30.4 | ND | | 0.046 | ND | | 0.179 | ND | | 1.57 |
| Aroclor-1242 | ND | | 30.4 | ND | | 0.046 | ND | | 0.179 | ND | | 1.57 |
| Aroclor-1248 | 3410 | | 30.4 | ND | | 0.046 | 19.2 | | 0.179 | 24.5 | | 1.57 |
| Aroclor-1254 | 4590 | | 30.4 | 13.3 | | 0.046 | 28.2 | | 0.179 | ND | | 1.57 |
| Aroclor-1260 | ND | | 30.4 | ND | | 0.046 | ND | | 0.179 | ND | | 1.57 |
| Aroclor-1262 | ND | | 30.4 | ND | | 0.046 | ND | | 0.179 | ND | | 1.57 |
| Aroclor-1268 | ND | | 30.4 | ND | | 0.046 | ND | | 0.179 | ND | | 1.57 |
| PCBs | 8000 | | 30.4 | 13.3 | | 0.046 | 47.4 | | 0.179 | 24.5 | | 1.57 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab ID:** | **07070-033** | | | **07070-034** | | | **07070-035** | | | **07070-036** | | |
| **Client ID:** | **Q-40 (2.0-4.0)** | | | **Q-40 (4.0-6.0)** | | | **Q-40 (6.0-8.0)** | | | **Q-41 (0-2.0)** | | |
| **Depth:** | **2/4** | | | **4/6** | | | **6/8** | | | **0/2** | | |
| **Matrix:** | **Soil** | | | **Soil** | | | **Soil** | | | **Soil** | | |
| **Sampled Date** | **7/16/12** | | | **7/16/12** | | | **7/16/12** | | | **7/16/12** | | |
| **PARAMETER(Units)** | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL |
| **PCB's (Units)** | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | |
| Aroclor-1016 | ND | | 1.89 | ND | | 0.025 | ND | | 0.244 | ND | | 1.60 |
| Aroclor-1221 | ND | | 1.89 | ND | | 0.025 | ND | | 0.244 | ND | | 1.60 |
| Aroclor-1232 | ND | | 1.89 | ND | | 0.025 | ND | | 0.244 | ND | | 1.60 |
| Aroclor-1242 | ND | | 1.89 | ND | | 0.025 | ND | | 0.244 | ND | | 1.60 |
| Aroclor-1248 | 105 | | 1.89 | ND | | 0.025 | ND | | 0.244 | 9.08 | | 1.60 |
| Aroclor-1254 | ND | | 1.89 | ND | | 0.025 | 54.8 | | 0.244 | ND | | 1.60 |
| Aroclor-1260 | 250 | | 1.89 | 9.09 | | 0.025 | 39.9 | | 0.244 | ND | | 1.60 |
| Aroclor-1262 | ND | | 1.89 | ND | | 0.025 | ND | | 0.244 | ND | | 1.60 |
| Aroclor-1268 | ND | | 1.89 | ND | | 0.025 | ND | | 0.244 | ND | | 1.60 |
| PCBs | 355 | | 1.89 | 9.09 | | 0.025 | 94.7 | | 0.244 | 9.08 | | 1.60 |

ND = Analyzed for but Not Detected at the MDL

# INTEGRATED ANALYTICAL LABORATORIES, LLC.

**SUMMARY REPORT**
**Client: JMC Environmental Consultants**
**Project: ARSYNCO**
**Lab Case No.: E12-07070**

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab ID:** | **07070-037** | | | **07070-038** | | | **07070-039** | | | **07070-040** | | |
| **Client ID:** | **Q-41 (2.0-4.0)** | | | **Q-41 (4.0-6.0)** | | | **Q-41 (6.0-8.0)** | | | **Q-41 (8.0-10.0)** | | |
| **Depth:** | **2/4** | | | **4/6** | | | **6/8** | | | **8/10** | | |
| **Matrix:** | **Soil** | | | **Soil** | | | **Soil** | | | **Soil** | | |
| **Sampled Date** | **7/16/12** | | | **7/16/12** | | | **7/16/12** | | | **7/16/12** | | |
| **PARAMETER(Units)** | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL |
| **PCB's (Units)** | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | |
| Aroclor-1016 | ND | | 0.166 | ND | | 219 | ND | | 1.56 | ND | | 2.12 |
| Aroclor-1221 | ND | | 0.166 | ND | | 219 | ND | | 1.56 | ND | | 2.12 |
| Aroclor-1232 | ND | | 0.166 | ND | | 219 | ND | | 1.56 | ND | | 2.12 |
| Aroclor-1242 | ND | | 0.166 | ND | | 219 | ND | | 1.56 | ND | | 2.12 |
| Aroclor-1248 | 58.3 | | 0.166 | ND | | 219 | ND | | 1.56 | ND | | 2.12 |
| Aroclor-1254 | ND | | 0.166 | ND | | 219 | 40.3 | | 1.56 | ND | | 2.12 |
| Aroclor-1260 | 45.2 | | 0.166 | ND | | 219 | 56.5 | | 1.56 | 782 | | 2.12 |
| Aroclor-1262 | ND | | 0.166 | 26300 | | 219 | ND | | 1.56 | ND | | 2.12 |
| Aroclor-1268 | ND | | 0.166 | ND | | 219 | ND | | 1.56 | ND | | 2.12 |
| PCBs | 104 | | 0.166 | 26300 | | 219 | 96.8 | | 1.56 | 782 | | 2.12 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab ID:** | **07070-041** | | | **07070-042** | | | **07070-043** | | | **07070-044** | | |
| **Client ID:** | **Q-41 (10.0-12.0)** | | | **Q-42 (0-2.0)** | | | **Q-42 (2.0-4.0)** | | | **Q-42 (4.0-6.0)** | | |
| **Depth:** | **10/12** | | | **0/2** | | | **2/4** | | | **4/6** | | |
| **Matrix:** | **Soil** | | | **Soil** | | | **Soil** | | | **Soil** | | |
| **Sampled Date** | **7/16/12** | | | **7/16/12** | | | **7/16/12** | | | **7/16/12** | | |
| **PARAMETER(Units)** | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL |
| **PCB's (Units)** | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | |
| Aroclor-1016 | ND | | 0.035 | ND | | 1.81 | ND | | 2.09 | ND | | 26.2 |
| Aroclor-1221 | ND | | 0.035 | ND | | 1.81 | ND | | 2.09 | ND | | 26.2 |
| Aroclor-1232 | ND | | 0.035 | ND | | 1.81 | ND | | 2.09 | ND | | 26.2 |
| Aroclor-1242 | ND | | 0.035 | ND | | 1.81 | ND | | 2.09 | ND | | 26.2 |
| Aroclor-1248 | ND | | 0.035 | ND | | 1.81 | ND | | 2.09 | ND | | 26.2 |
| Aroclor-1254 | ND | | 0.035 | 131 | | 1.81 | 240 | | 2.09 | 5300 | | 26.2 |
| Aroclor-1260 | 10.5 | | 0.035 | 162 | | 1.81 | 327 | | 2.09 | ND | | 26.2 |
| Aroclor-1262 | ND | | 0.035 | ND | | 1.81 | ND | | 2.09 | ND | | 26.2 |
| Aroclor-1268 | ND | | 0.035 | ND | | 1.81 | ND | | 2.09 | ND | | 26.2 |
| PCBs | 10.5 | | 0.035 | 293 | | 1.81 | 567 | | 2.09 | 5300 | | 26.2 |

ND = Analyzed for but Not Detected at the MDL

# INTEGRATED ANALYTICAL LABORATORIES, LLC.

**SUMMARY REPORT**
**Client: JMC Environmental Consultants**
**Project: ARSYNCO**
**Lab Case No.: E12-07070**

| Lab ID: | 07070-045 | | | 07070-046 | | | 07070-047 | | | 07070-048 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | Q-42 (6.0-8.0) | | | Q-42 (8.0-10.0) | | | Q-43 (0-2.0) | | | Q-43 (2.0-4.0) | | |
| Depth: | 6/8 | | | 8/10 | | | 0/2 | | | 2/4 | | |
| Matrix: | Soil | | | Soil | | | Soil | | | Soil | | |
| Sampled Date | 7/16/12 | | | 7/16/12 | | | 7/16/12 | | | 7/16/12 | | |
| PARAMETER(Units) | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL |
| PCB's (Units) | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | |
| Aroclor-1016 | ND | | 0.072 | ND | | 0.028 | ND | | 1.63 | ND | | 0.035 |
| Aroclor-1221 | ND | | 0.072 | ND | | 0.028 | ND | | 1.63 | ND | | 0.035 |
| Aroclor-1232 | ND | | 0.072 | ND | | 0.028 | ND | | 1.63 | ND | | 0.035 |
| Aroclor-1242 | ND | | 0.072 | ND | | 0.028 | ND | | 1.63 | ND | | 0.035 |
| Aroclor-1248 | ND | | 0.072 | ND | | 0.028 | 20.9 | | 1.63 | 10.3 | | 0.035 |
| Aroclor-1254 | 3.09 | | 0.072 | ND | | 0.028 | ND | | 1.63 | ND | | 0.035 |
| Aroclor-1260 | ND | | 0.072 | ND | | 0.028 | ND | | 1.63 | 7.84 | | 0.035 |
| Aroclor-1262 | ND | | 0.072 | ND | | 0.028 | ND | | 1.63 | ND | | 0.035 |
| Aroclor-1268 | ND | | 0.072 | ND | | 0.028 | ND | | 1.63 | ND | | 0.035 |
| PCBs | 3.09 | | 0.072 | ND | | 0.028 | 20.9 | | 1.63 | 18.1 | | 0.035 |

| Lab ID: | 07070-049 | | | 07070-050 | | | 07070-051 | | | 07070-052 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | Q-43 (4.0-6.0) | | | Q-43 (6.0-8.0) | | | Q-44 (0-2.0) | | | Q-44 (2.0-4.0) | | |
| Depth: | 4/6 | | | 6/8 | | | 0/2 | | | 2/4 | | |
| Matrix: | Soil | | | Soil | | | Soil | | | Soil | | |
| Sampled Date | 7/16/12 | | | 7/16/12 | | | 7/16/12 | | | 7/16/12 | | |
| PARAMETER(Units) | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL |
| PCB's (Units) | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | |
| Aroclor-1016 | ND | | 258 | ND | | 0.037 | ND | | 0.167 | ND | | 0.046 |
| Aroclor-1221 | ND | | 258 | ND | | 0.037 | ND | | 0.167 | ND | | 0.046 |
| Aroclor-1232 | ND | | 258 | ND | | 0.037 | ND | | 0.167 | ND | | 0.046 |
| Aroclor-1242 | ND | | 258 | ND | | 0.037 | ND | | 0.167 | ND | | 0.046 |
| Aroclor-1248 | ND | | 258 | ND | | 0.037 | 38.5 | | 0.167 | 9.97 | | 0.046 |
| Aroclor-1254 | 34000 | | 258 | 1.57 | | 0.037 | ND | | 0.167 | 11.1 | | 0.046 |
| Aroclor-1260 | ND | | 258 | ND | | 0.037 | 12.1 | | 0.167 | ND | | 0.046 |
| Aroclor-1262 | ND | | 258 | ND | | 0.037 | ND | | 0.167 | ND | | 0.046 |
| Aroclor-1268 | ND | | 258 | ND | | 0.037 | ND | | 0.167 | ND | | 0.046 |
| PCBs | 34000 | | 258 | 1.57 | | 0.037 | 50.6 | | 0.167 | 21.1 | | 0.046 |

| Lab ID: | 07070-053 | | | 07070-054 | | | 07070-055 | | | 07070-056 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | Q-44 (4.0-6.0) | | | R-43 (0-2.0) | | | R-43 (2.0-4.0) | | | R-43 (4.0-5.0) | | |
| Depth: | 4/6 | | | 0/2 | | | 2/4 | | | 4/5 | | |
| Matrix: | Soil | | | Soil | | | Soil | | | Soil | | |
| Sampled Date | 7/16/12 | | | 7/16/12 | | | 7/16/12 | | | 7/16/12 | | |
| PARAMETER(Units) | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL | Conc | Q | MDL |
| PCB's (Units) | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | | *(mg/Kg-ppm)* | | |
| Aroclor-1016 | ND | | 0.026 | ND | | 0.156 | ND | | 0.018 | ND | | 0.018 |
| Aroclor-1221 | ND | | 0.026 | ND | | 0.156 | ND | | 0.018 | ND | | 0.018 |
| Aroclor-1232 | ND | | 0.026 | ND | | 0.156 | ND | | 0.018 | ND | | 0.018 |
| Aroclor-1242 | ND | | 0.026 | ND | | 0.156 | ND | | 0.018 | ND | | 0.018 |
| Aroclor-1248 | 0.185 | | 0.026 | 24.8 | | 0.156 | 6.04 | | 0.018 | 3.93 | | 0.018 |
| Aroclor-1254 | ND | | 0.026 | ND | | 0.156 | ND | | 0.018 | 2.83 | | 0.018 |
| Aroclor-1260 | ND | | 0.026 | 40.7 | | 0.156 | 2.59 | | 0.018 | ND | | 0.018 |
| Aroclor-1262 | ND | | 0.026 | ND | | 0.156 | ND | | 0.018 | ND | | 0.018 |
| Aroclor-1268 | ND | | 0.026 | ND | | 0.156 | ND | | 0.018 | ND | | 0.018 |
| PCBs | 0.185 | | 0.026 | 65.5 | | 0.156 | 8.63 | | 0.018 | 6.76 | | 0.018 |

ND = Analyzed for but Not Detected at the MDL

# INTEGRATED ANALYTICAL LABORATORIES, LLC.

**SUMMARY REPORT**
**Client: JMC Environmental Consultants**
**Project: ARSYNCO**
**Lab Case No.: E12-07070**

| | | | | |
|---|---|---|---|---|
| **Lab ID:** | **07070-057** | | **07070-058** | |
| **Client ID:** | **R-43 (5.0-6.0)** | | **R-43 (6.0-8.0)** | |
| **Depth:** | **5/6** | | **6/8** | |
| **Matrix:** | **Soil** | | **Soil** | |
| **Sampled Date** | **7/16/12** | | **7/16/12** | |
| **PARAMETER(Units)** | Conc Q | MDL | Conc Q | MDL |
| **PCB's (Units)** | *(mg/Kg-ppm)* | | *(mg/Kg-ppm)* | |
| Aroclor-1016 | ND | 192 | ND | 0.019 |
| Aroclor-1221 | ND | 192 | ND | 0.019 |
| Aroclor-1232 | ND | 192 | ND | 0.019 |
| Aroclor-1242 | ND | 192 | ND | 0.019 |
| Aroclor-1248 | 15000 | 192 | 0.193 | 0.019 |
| Aroclor-1254 | 18000 | 192 | 0.185 | 0.019 |
| Aroclor-1260 | ND | 192 | ND | 0.019 |
| Aroclor-1262 | ND | 192 | ND | 0.019 |
| Aroclor-1268 | ND | 192 | ND | 0.019 |
| PCBs | 33000 | 192 | 0.378 | 0.019 |

ND = Analyzed for but Not Detected at the MDL

ANALYTICAL RESULTS

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-001
Client ID: T-42_(0-2.
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7366.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.63g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 11.7

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.402 | 0.161 |
| Aroclor-1221 | ND | | 0.402 | 0.161 |
| Aroclor-1232 | ND | | 0.402 | 0.161 |
| Aroclor-1242 | ND | | 0.402 | 0.161 |
| Aroclor-1248 | ND | | 0.402 | 0.161 |
| Aroclor-1254 | ND | | 0.402 | 0.161 |
| Aroclor-1260 | 30.5 | | 0.402 | 0.161 |
| Aroclor-1262 | ND | | 0.402 | 0.161 |
| Aroclor-1268 | ND | | 0.402 | 0.161 |
| PCBs | 30.5 | | 0.402 | 0.161 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-002
Client ID: T-42_(2.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/26/2012
Data file: Y7418.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.18g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 17.2

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 4.66 | 1.87 |
| Aroclor-1221 | ND | | 4.66 | 1.87 |
| Aroclor-1232 | ND | | 4.66 | 1.87 |
| Aroclor-1242 | ND | | 4.66 | 1.87 |
| Aroclor-1248 | ND | | 4.66 | 1.87 |
| Aroclor-1254 | ND | | 4.66 | 1.87 |
| Aroclor-1260 | 137 | | 4.66 | 1.87 |
| Aroclor-1262 | ND | | 4.66 | 1.87 |
| Aroclor-1268 | ND | | 4.66 | 1.87 |
| PCBs | 137 | | 4.66 | 1.87 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-003
Client ID: T-42_(3.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7368.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.81g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.0

| 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 | 2.62 | | 0.041 | 0.017 |
| Aroclor-1262 | ND | | 0.041 | 0.017 |
| Aroclor-1268 | ND | | 0.041 | 0.017 |
| PCBs | 2.62 | | 0.041 | 0.017 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-004
Client ID: T-42_(4.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7369.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.21g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 55.2

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 8.57 | 3.43 |
| Aroclor-1221 | ND | | 8.57 | 3.43 |
| Aroclor-1232 | ND | | 8.57 | 3.43 |
| Aroclor-1242 | ND | | 8.57 | 3.43 |
| Aroclor-1248 | ND | | 8.57 | 3.43 |
| Aroclor-1254 | ND | | 8.57 | 3.43 |
| Aroclor-1260 | 628 | | 8.57 | 3.43 |
| Aroclor-1262 | ND | | 8.57 | 3.43 |
| Aroclor-1268 | ND | | 8.57 | 3.43 |
| PCBs | 628 | | 8.57 | 3.43 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-005
Client ID: T-42_(6.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7370.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.33g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 26.4

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.510 | 0.204 |
| Aroclor-1221 | ND | | 0.510 | 0.204 |
| Aroclor-1232 | ND | | 0.510 | 0.204 |
| Aroclor-1242 | ND | | 0.510 | 0.204 |
| Aroclor-1248 | ND | | 0.510 | 0.204 |
| Aroclor-1254 | ND | | 0.510 | 0.204 |
| Aroclor-1260 | 30.8 | | 0.510 | 0.204 |
| Aroclor-1262 | ND | | 0.510 | 0.204 |
| Aroclor-1268 | ND | | 0.510 | 0.204 |
| PCBs | 30.8 | | 0.510 | 0.204 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-006
Client ID: S-43_(0-2.
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7371.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.48g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 14.0

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.212 | 0.085 |
| Aroclor-1221 | ND | | 0.212 | 0.085 |
| Aroclor-1232 | ND | | 0.212 | 0.085 |
| Aroclor-1242 | ND | | 0.212 | 0.085 |
| Aroclor-1248 | 7.75 | | 0.212 | 0.085 |
| Aroclor-1254 | ND | | 0.212 | 0.085 |
| Aroclor-1260 | 15.6 | | 0.212 | 0.085 |
| Aroclor-1262 | ND | | 0.212 | 0.085 |
| Aroclor-1268 | ND | | 0.212 | 0.085 |
| PCBs | 23.4 | | 0.212 | 0.085 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-007
Client ID: S-43_(2.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/26/2012
Data file: Y7419.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.32g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 22.6

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.486 | 0.194 |
| Aroclor-1221 | ND | | 0.486 | 0.194 |
| Aroclor-1232 | ND | | 0.486 | 0.194 |
| Aroclor-1242 | ND | | 0.486 | 0.194 |
| Aroclor-1248 | 22.3 | | 0.486 | 0.194 |
| Aroclor-1254 | ND | | 0.486 | 0.194 |
| Aroclor-1260 | ND | | 0.486 | 0.194 |
| Aroclor-1262 | ND | | 0.486 | 0.194 |
| Aroclor-1268 | ND | | 0.486 | 0.194 |
| PCBs | 22.3 | | 0.486 | 0.194 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-008
Client ID: S-43_(4.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/26/2012
Data file: Y7420.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.23g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 31.1

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.555 | 0.222 |
| Aroclor-1221 | ND | | 0.555 | 0.222 |
| Aroclor-1232 | ND | | 0.555 | 0.222 |
| Aroclor-1242 | ND | | 0.555 | 0.222 |
| Aroclor-1248 | 27.2 | | 0.555 | 0.222 |
| Aroclor-1254 | ND | | 0.555 | 0.222 |
| Aroclor-1260 | ND | | 0.555 | 0.222 |
| Aroclor-1262 | ND | | 0.555 | 0.222 |
| Aroclor-1268 | ND | | 0.555 | 0.222 |
| PCBs | 27.2 | | 0.555 | 0.222 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-009
Client ID: S-43_(6.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/26/2012
Data file: Y7421.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.21g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 66.0

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 1.13 | 0.452 |
| Aroclor-1221 | ND | | 1.13 | 0.452 |
| Aroclor-1232 | ND | | 1.13 | 0.452 |
| Aroclor-1242 | ND | | 1.13 | 0.452 |
| Aroclor-1248 | 24.7 | | 1.13 | 0.452 |
| Aroclor-1254 | ND | | 1.13 | 0.452 |
| Aroclor-1260 | ND | | 1.13 | 0.452 |
| Aroclor-1262 | ND | | 1.13 | 0.452 |
| Aroclor-1268 | ND | | 1.13 | 0.452 |
| PCBs | 24.7 | | 1.13 | 0.452 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-010
Client ID: S-43_(8.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7375.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.74g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 28.3

| 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 | 1.32 | | 0.049 | 0.019 |
| Aroclor-1254 | ND | | 0.049 | 0.019 |
| Aroclor-1260 | 0.797 | | 0.049 | 0.019 |
| Aroclor-1262 | ND | | 0.049 | 0.019 |
| Aroclor-1268 | ND | | 0.049 | 0.019 |
| PCBs | 2.12 | | 0.049 | 0.019 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-011
Client ID: R-44_(0-2.
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/26/2012
Data file: Y7422.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.67g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 22.0

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.452 | 0.181 |
| Aroclor-1221 | ND | | 0.452 | 0.181 |
| Aroclor-1232 | ND | | 0.452 | 0.181 |
| Aroclor-1242 | ND | | 0.452 | 0.181 |
| Aroclor-1248 | 7.94 | | 0.452 | 0.181 |
| Aroclor-1254 | ND | | 0.452 | 0.181 |
| Aroclor-1260 | 13.2 | | 0.452 | 0.181 |
| Aroclor-1262 | ND | | 0.452 | 0.181 |
| Aroclor-1268 | ND | | 0.452 | 0.181 |
| PCBs | 21.1 | | 0.452 | 0.181 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-012
Client ID: R-44_(2.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7377.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.89g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 26.4

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.046 | 0.019 |
| Aroclor-1221 | ND | | 0.046 | 0.019 |
| Aroclor-1232 | ND | | 0.046 | 0.019 |
| Aroclor-1242 | ND | | 0.046 | 0.019 |
| Aroclor-1248 | 4.04 | | 0.046 | 0.019 |
| Aroclor-1254 | ND | | 0.046 | 0.019 |
| Aroclor-1260 | 1.97 | | 0.046 | 0.019 |
| Aroclor-1262 | ND | | 0.046 | 0.019 |
| Aroclor-1268 | ND | | 0.046 | 0.019 |
| PCBs | 6.01 | | 0.046 | 0.019 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-013
Client ID: R-44_(4.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7378.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.07g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 26.7

| 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 | ND | | 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 | ND | | 0.054 | 0.022 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-014
Client ID: R-46_(0-2.
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7379.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.69g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 18.5

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.216 | 0.086 |
| Aroclor-1221 | ND | | 0.216 | 0.086 |
| Aroclor-1232 | ND | | 0.216 | 0.086 |
| Aroclor-1242 | ND | | 0.216 | 0.086 |
| Aroclor-1248 | 22.9 | | 0.216 | 0.086 |
| Aroclor-1254 | ND | | 0.216 | 0.086 |
| Aroclor-1260 | 16.6 | | 0.216 | 0.086 |
| Aroclor-1262 | ND | | 0.216 | 0.086 |
| Aroclor-1268 | ND | | 0.216 | 0.086 |
| PCBs | 39.5 | | 0.216 | 0.086 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-015
Client ID: R-46_(2.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2218.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.64g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.0

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.042 | 0.017 |
| Aroclor-1221 | ND | | 0.042 | 0.017 |
| Aroclor-1232 | ND | | 0.042 | 0.017 |
| Aroclor-1242 | ND | | 0.042 | 0.017 |
| Aroclor-1248 | 0.707 | | 0.042 | 0.017 |
| Aroclor-1254 | ND | | 0.042 | 0.017 |
| Aroclor-1260 | 0.676 | | 0.042 | 0.017 |
| Aroclor-1262 | ND | | 0.042 | 0.017 |
| Aroclor-1268 | ND | | 0.042 | 0.017 |
| PCBs | 1.38 | | 0.042 | 0.017 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-016
Client ID: R-46_(4.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2219.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.35g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 46.4

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

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-017
Client ID: P-47_(0-2.
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2220.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.46g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 20.7

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.231 | 0.092 |
| Aroclor-1221 | ND | | 0.231 | 0.092 |
| Aroclor-1232 | ND | | 0.231 | 0.092 |
| Aroclor-1242 | ND | | 0.231 | 0.092 |
| Aroclor-1248 | 30.5 | | 0.231 | 0.092 |
| Aroclor-1254 | ND | | 0.231 | 0.092 |
| Aroclor-1260 | ND | | 0.231 | 0.092 |
| Aroclor-1262 | ND | | 0.231 | 0.092 |
| Aroclor-1268 | ND | | 0.231 | 0.092 |
| PCBs | 30.5 | | 0.231 | 0.092 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-018
Client ID: P-47_(2.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2221.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.30g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 14.9

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.044 | 0.018 |
| Aroclor-1221 | ND | | 0.044 | 0.018 |
| Aroclor-1232 | ND | | 0.044 | 0.018 |
| Aroclor-1242 | ND | | 0.044 | 0.018 |
| Aroclor-1248 | 0.419 | | 0.044 | 0.018 |
| Aroclor-1254 | ND | | 0.044 | 0.018 |
| Aroclor-1260 | ND | | 0.044 | 0.018 |
| Aroclor-1262 | ND | | 0.044 | 0.018 |
| Aroclor-1268 | ND | | 0.044 | 0.018 |
| PCBs | 0.419 | | 0.044 | 0.018 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-019
Client ID: P-47_(4.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2222.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.10g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 66.5

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.117 | 0.047 |
| Aroclor-1221 | ND | | 0.117 | 0.047 |
| Aroclor-1232 | ND | | 0.117 | 0.047 |
| Aroclor-1242 | ND | | 0.117 | 0.047 |
| Aroclor-1248 | ND | | 0.117 | 0.047 |
| Aroclor-1254 | ND | | 0.117 | 0.047 |
| Aroclor-1260 | ND | | 0.117 | 0.047 |
| Aroclor-1262 | ND | | 0.117 | 0.047 |
| Aroclor-1268 | ND | | 0.117 | 0.047 |
| PCBs | ND | | 0.117 | 0.047 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-020
Client ID: O-43_(0-2.
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2223.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.26g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 2
% Moisture: 11.8

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.086 | 0.034 |
| Aroclor-1221 | ND | | 0.086 | 0.034 |
| Aroclor-1232 | ND | | 0.086 | 0.034 |
| Aroclor-1242 | ND | | 0.086 | 0.034 |
| Aroclor-1248 | 14.7 | | 0.086 | 0.034 |
| Aroclor-1254 | ND | | 0.086 | 0.034 |
| Aroclor-1260 | ND | | 0.086 | 0.034 |
| Aroclor-1262 | ND | | 0.086 | 0.034 |
| Aroclor-1268 | ND | | 0.086 | 0.034 |
| PCBs | 14.7 | | 0.086 | 0.034 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-021
Client ID: O-43_(2.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2224.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.41g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 26.6

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 5.04 | 2.01 |
| Aroclor-1221 | ND | | 5.04 | 2.01 |
| Aroclor-1232 | ND | | 5.04 | 2.01 |
| Aroclor-1242 | ND | | 5.04 | 2.01 |
| Aroclor-1248 | ND | | 5.04 | 2.01 |
| Aroclor-1254 | 475 | | 5.04 | 2.01 |
| Aroclor-1260 | ND | | 5.04 | 2.01 |
| Aroclor-1262 | ND | | 5.04 | 2.01 |
| Aroclor-1268 | ND | | 5.04 | 2.01 |
| PCBs | 475 | | 5.04 | 2.01 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-022
Client ID: O-43_(4.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2225.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.14g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 33.0

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.581 | 0.232 |
| Aroclor-1221 | ND | | 0.581 | 0.232 |
| Aroclor-1232 | ND | | 0.581 | 0.232 |
| Aroclor-1242 | ND | | 0.581 | 0.232 |
| Aroclor-1248 | ND | | 0.581 | 0.232 |
| Aroclor-1254 | 66.9 | | 0.581 | 0.232 |
| Aroclor-1260 | 48.4 | | 0.581 | 0.232 |
| Aroclor-1262 | ND | | 0.581 | 0.232 |
| Aroclor-1268 | ND | | 0.581 | 0.232 |
| PCBs | 115 | | 0.581 | 0.232 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-023
Client ID: O-43_(6.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2226.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.82g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 32.3

| 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 | 1.91 | | 0.051 | 0.020 |
| Aroclor-1254 | ND | | 0.051 | 0.020 |
| Aroclor-1260 | 1.19 | | 0.051 | 0.020 |
| Aroclor-1262 | ND | | 0.051 | 0.020 |
| Aroclor-1268 | ND | | 0.051 | 0.020 |
| PCBs | 3.10 | | 0.051 | 0.020 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-024
Client ID: P-42_(0-2.
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2227.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.27g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 14.6

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 4.44 | 1.78 |
| Aroclor-1221 | ND | | 4.44 | 1.78 |
| Aroclor-1232 | ND | | 4.44 | 1.78 |
| Aroclor-1242 | ND | | 4.44 | 1.78 |
| Aroclor-1248 | 60.8 | | 4.44 | 1.78 |
| Aroclor-1254 | ND | | 4.44 | 1.78 |
| Aroclor-1260 | 46.7 | | 4.44 | 1.78 |
| Aroclor-1262 | ND | | 4.44 | 1.78 |
| Aroclor-1268 | ND | | 4.44 | 1.78 |
| PCBs | 108 | | 4.44 | 1.78 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-025
Client ID: P-42_(2.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2228.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.22g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 27.3

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 5.27 | 2.11 |
| Aroclor-1221 | ND | | 5.27 | 2.11 |
| Aroclor-1232 | ND | | 5.27 | 2.11 |
| Aroclor-1242 | ND | | 5.27 | 2.11 |
| Aroclor-1248 | ND | | 5.27 | 2.11 |
| Aroclor-1254 | 165 | | 5.27 | 2.11 |
| Aroclor-1260 | ND | | 5.27 | 2.11 |
| Aroclor-1262 | ND | | 5.27 | 2.11 |
| Aroclor-1268 | ND | | 5.27 | 2.11 |
| PCBs | 165 | | 5.27 | 2.11 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-026
Client ID: P-42_(4.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2229.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.43g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 33.0

| 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 | 7.10 | | 0.055 | 0.022 |
| Aroclor-1254 | 5.57 | | 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 | 12.7 | | 0.055 | 0.022 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-027
Client ID: P-41_(0-2.
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2230.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.53g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 11.5

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 4.09 | 1.63 |
| Aroclor-1221 | ND | | 4.09 | 1.63 |
| Aroclor-1232 | ND | | 4.09 | 1.63 |
| Aroclor-1242 | ND | | 4.09 | 1.63 |
| Aroclor-1248 | 97.9 | | 4.09 | 1.63 |
| Aroclor-1254 | 81.3 | | 4.09 | 1.63 |
| Aroclor-1260 | ND | | 4.09 | 1.63 |
| Aroclor-1262 | ND | | 4.09 | 1.63 |
| Aroclor-1268 | ND | | 4.09 | 1.63 |
| PCBs | 179 | | 4.09 | 1.63 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-028
Client ID: P-41_(2.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2231.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.47g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 21.1

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.463 | 0.185 |
| Aroclor-1221 | ND | | 0.463 | 0.185 |
| Aroclor-1232 | ND | | 0.463 | 0.185 |
| Aroclor-1242 | ND | | 0.463 | 0.185 |
| Aroclor-1248 | 19.3 | | 0.463 | 0.185 |
| Aroclor-1254 | 17.4 | | 0.463 | 0.185 |
| Aroclor-1260 | ND | | 0.463 | 0.185 |
| Aroclor-1262 | ND | | 0.463 | 0.185 |
| Aroclor-1268 | ND | | 0.463 | 0.185 |
| PCBs | 36.7 | | 0.463 | 0.185 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-029
Client ID: P-41_(4.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2232.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.25g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1000
% Moisture: 49.8

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 75.9 | 30.4 |
| Aroclor-1221 | ND | | 75.9 | 30.4 |
| Aroclor-1232 | ND | | 75.9 | 30.4 |
| Aroclor-1242 | ND | | 75.9 | 30.4 |
| Aroclor-1248 | 3410 | | 75.9 | 30.4 |
| Aroclor-1254 | 4590 | | 75.9 | 30.4 |
| Aroclor-1260 | ND | | 75.9 | 30.4 |
| Aroclor-1262 | ND | | 75.9 | 30.4 |
| Aroclor-1268 | ND | | 75.9 | 30.4 |
| PCBs | 8000 | | 75.9 | 30.4 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-030
Client ID: P-41_(5.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2233.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.47g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 68.3

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.115 | 0.046 |
| Aroclor-1221 | ND | | 0.115 | 0.046 |
| Aroclor-1232 | ND | | 0.115 | 0.046 |
| Aroclor-1242 | ND | | 0.115 | 0.046 |
| Aroclor-1248 | ND | | 0.115 | 0.046 |
| Aroclor-1254 | 13.3 | | 0.115 | 0.046 |
| Aroclor-1260 | ND | | 0.115 | 0.046 |
| Aroclor-1262 | ND | | 0.115 | 0.046 |
| Aroclor-1268 | ND | | 0.115 | 0.046 |
| PCBs | 13.3 | | 0.115 | 0.046 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-031
Client ID: P-41_(6.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2234.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.76g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 22.5

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.448 | 0.179 |
| Aroclor-1221 | ND | | 0.448 | 0.179 |
| Aroclor-1232 | ND | | 0.448 | 0.179 |
| Aroclor-1242 | ND | | 0.448 | 0.179 |
| Aroclor-1248 | 19.2 | | 0.448 | 0.179 |
| Aroclor-1254 | 28.2 | | 0.448 | 0.179 |
| Aroclor-1260 | ND | | 0.448 | 0.179 |
| Aroclor-1262 | ND | | 0.448 | 0.179 |
| Aroclor-1268 | ND | | 0.448 | 0.179 |
| PCBs | 47.4 | | 0.448 | 0.179 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-032
Client ID: Q-40_(0-2.
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2235.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.58g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 8.40

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 3.91 | 1.57 |
| Aroclor-1221 | ND | | 3.91 | 1.57 |
| Aroclor-1232 | ND | | 3.91 | 1.57 |
| Aroclor-1242 | ND | | 3.91 | 1.57 |
| Aroclor-1248 | 24.5 | | 3.91 | 1.57 |
| Aroclor-1254 | ND | | 3.91 | 1.57 |
| Aroclor-1260 | ND | | 3.91 | 1.57 |
| Aroclor-1262 | ND | | 3.91 | 1.57 |
| Aroclor-1268 | ND | | 3.91 | 1.57 |
| PCBs | 24.5 | | 3.91 | 1.57 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-033
Client ID: Q-40_(2.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2236.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.01g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 15.7

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 4.74 | 1.89 |
| Aroclor-1221 | ND | | 4.74 | 1.89 |
| Aroclor-1232 | ND | | 4.74 | 1.89 |
| Aroclor-1242 | ND | | 4.74 | 1.89 |
| Aroclor-1248 | 105 | | 4.74 | 1.89 |
| Aroclor-1254 | ND | | 4.74 | 1.89 |
| Aroclor-1260 | 250 | | 4.74 | 1.89 |
| Aroclor-1262 | ND | | 4.74 | 1.89 |
| Aroclor-1268 | ND | | 4.74 | 1.89 |
| PCBs | 355 | | 4.74 | 1.89 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-034
Client ID: Q-40_(4.0-
Date Received: 07/16/2012
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2237.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.26g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 38.3

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.062 | 0.025 |
| Aroclor-1221 | ND | | 0.062 | 0.025 |
| Aroclor-1232 | ND | | 0.062 | 0.025 |
| Aroclor-1242 | ND | | 0.062 | 0.025 |
| Aroclor-1248 | ND | | 0.062 | 0.025 |
| Aroclor-1254 | ND | | 0.062 | 0.025 |
| Aroclor-1260 | 9.09 | | 0.062 | 0.025 |
| Aroclor-1262 | ND | | 0.062 | 0.025 |
| Aroclor-1268 | ND | | 0.062 | 0.025 |
| PCBs | 9.09 | | 0.062 | 0.025 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-035
Client ID: Q-40_(6.0-
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 07/30/2012
Data file: Y7643.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.18g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 36.7

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.610 | 0.244 |
| Aroclor-1221 | ND | | 0.610 | 0.244 |
| Aroclor-1232 | ND | | 0.610 | 0.244 |
| Aroclor-1242 | ND | | 0.610 | 0.244 |
| Aroclor-1248 | ND | | 0.610 | 0.244 |
| Aroclor-1254 | 54.8 | | 0.610 | 0.244 |
| Aroclor-1260 | 39.9 | | 0.610 | 0.244 |
| Aroclor-1262 | ND | | 0.610 | 0.244 |
| Aroclor-1268 | ND | | 0.610 | 0.244 |
| PCBs | 94.7 | | 0.610 | 0.244 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-036
Client ID: Q-41_(0-2.
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 07/30/2012
Data file: Y7644.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.40g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 7.50

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 4.00 | 1.60 |
| Aroclor-1221 | ND | | 4.00 | 1.60 |
| Aroclor-1232 | ND | | 4.00 | 1.60 |
| Aroclor-1242 | ND | | 4.00 | 1.60 |
| Aroclor-1248 | 9.08 | | 4.00 | 1.60 |
| Aroclor-1254 | ND | | 4.00 | 1.60 |
| Aroclor-1260 | ND | | 4.00 | 1.60 |
| Aroclor-1262 | ND | | 4.00 | 1.60 |
| Aroclor-1268 | ND | | 4.00 | 1.60 |
| PCBs | 9.08 | | 4.00 | 1.60 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-037
Client ID: Q-41_(2.0-
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 07/30/2012
Data file: Y7645.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.83g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 17.5

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.416 | 0.166 |
| Aroclor-1221 | ND | | 0.416 | 0.166 |
| Aroclor-1232 | ND | | 0.416 | 0.166 |
| Aroclor-1242 | ND | | 0.416 | 0.166 |
| Aroclor-1248 | 58.3 | | 0.416 | 0.166 |
| Aroclor-1254 | ND | | 0.416 | 0.166 |
| Aroclor-1260 | 45.2 | | 0.416 | 0.166 |
| Aroclor-1262 | ND | | 0.416 | 0.166 |
| Aroclor-1268 | ND | | 0.416 | 0.166 |
| PCBs | 104 | | 0.416 | 0.166 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-038
Client ID: Q-41_(4.0-
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 08/01/2012
Data file: Y7758.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.36g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10000
% Moisture: 31.7

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 546 | 219 |
| Aroclor-1221 | ND | | 546 | 219 |
| Aroclor-1232 | ND | | 546 | 219 |
| Aroclor-1242 | ND | | 546 | 219 |
| Aroclor-1248 | ND | | 546 | 219 |
| Aroclor-1254 | ND | | 546 | 219 |
| Aroclor-1260 | ND | | 546 | 219 |
| Aroclor-1262 | 26300 | | 546 | 219 |
| Aroclor-1268 | ND | | 546 | 219 |
| PCBs | 26300 | | 546 | 219 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-039
Client ID: Q-41_(6.0-
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 07/30/2012
Data file: Y7647.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.87g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 12.8

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 3.91 | 1.56 |
| Aroclor-1221 | ND | | 3.91 | 1.56 |
| Aroclor-1232 | ND | | 3.91 | 1.56 |
| Aroclor-1242 | ND | | 3.91 | 1.56 |
| Aroclor-1248 | ND | | 3.91 | 1.56 |
| Aroclor-1254 | 40.3 | | 3.91 | 1.56 |
| Aroclor-1260 | 56.5 | | 3.91 | 1.56 |
| Aroclor-1262 | ND | | 3.91 | 1.56 |
| Aroclor-1268 | ND | | 3.91 | 1.56 |
| PCBs | 96.8 | | 3.91 | 1.56 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-040
Client ID: Q-41_(8.0-
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 07/30/2012
Data file: Y7648.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.65g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 33.1

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 5.29 | 2.12 |
| Aroclor-1221 | ND | | 5.29 | 2.12 |
| Aroclor-1232 | ND | | 5.29 | 2.12 |
| Aroclor-1242 | ND | | 5.29 | 2.12 |
| Aroclor-1248 | ND | | 5.29 | 2.12 |
| Aroclor-1254 | ND | | 5.29 | 2.12 |
| Aroclor-1260 | 782 | | 5.29 | 2.12 |
| Aroclor-1262 | ND | | 5.29 | 2.12 |
| Aroclor-1268 | ND | | 5.29 | 2.12 |
| PCBs | 782 | | 5.29 | 2.12 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-041
Client ID: Q-41_(10.0
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 08/01/2012
Data file: Y7759.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.91g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 2
% Moisture: 22.0

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.087 | 0.035 |
| Aroclor-1221 | ND | | 0.087 | 0.035 |
| Aroclor-1232 | ND | | 0.087 | 0.035 |
| Aroclor-1242 | ND | | 0.087 | 0.035 |
| Aroclor-1248 | ND | | 0.087 | 0.035 |
| Aroclor-1254 | ND | | 0.087 | 0.035 |
| Aroclor-1260 | 10.5 | | 0.087 | 0.035 |
| Aroclor-1262 | ND | | 0.087 | 0.035 |
| Aroclor-1268 | ND | | 0.087 | 0.035 |
| PCBs | 10.5 | | 0.087 | 0.035 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-042
Client ID: Q-42_(0-2.
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 08/01/2012
Data file: Y7760.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.61g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 21.0

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 4.51 | 1.81 |
| Aroclor-1221 | ND | | 4.51 | 1.81 |
| Aroclor-1232 | ND | | 4.51 | 1.81 |
| Aroclor-1242 | ND | | 4.51 | 1.81 |
| Aroclor-1248 | ND | | 4.51 | 1.81 |
| Aroclor-1254 | 131 | | 4.51 | 1.81 |
| Aroclor-1260 | 162 | | 4.51 | 1.81 |
| Aroclor-1262 | ND | | 4.51 | 1.81 |
| Aroclor-1268 | ND | | 4.51 | 1.81 |
| PCBs | 293 | | 4.51 | 1.81 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-043
Client ID: Q-42_(2.0-
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 08/01/2012
Data file: Y7761.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.52g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 30.8

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 5.24 | 2.09 |
| Aroclor-1221 | ND | | 5.24 | 2.09 |
| Aroclor-1232 | ND | | 5.24 | 2.09 |
| Aroclor-1242 | ND | | 5.24 | 2.09 |
| Aroclor-1248 | ND | | 5.24 | 2.09 |
| Aroclor-1254 | 240 | | 5.24 | 2.09 |
| Aroclor-1260 | 327 | | 5.24 | 2.09 |
| Aroclor-1262 | ND | | 5.24 | 2.09 |
| Aroclor-1268 | ND | | 5.24 | 2.09 |
| PCBs | 567 | | 5.24 | 2.09 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-044
Client ID: Q-42_(4.0-
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 08/01/2012
Data file: Y7762.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.31g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1000
% Moisture: 42.6

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 65.6 | 26.2 |
| Aroclor-1221 | ND | | 65.6 | 26.2 |
| Aroclor-1232 | ND | | 65.6 | 26.2 |
| Aroclor-1242 | ND | | 65.6 | 26.2 |
| Aroclor-1248 | ND | | 65.6 | 26.2 |
| Aroclor-1254 | 5300 | | 65.6 | 26.2 |
| Aroclor-1260 | ND | | 65.6 | 26.2 |
| Aroclor-1262 | ND | | 65.6 | 26.2 |
| Aroclor-1268 | ND | | 65.6 | 26.2 |
| PCBs | 5300 | | 65.6 | 26.2 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-045
Client ID: Q-42_(6.0-
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 07/30/2012
Data file: Y7653.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.10g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 78.1

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.179 | 0.072 |
| Aroclor-1221 | ND | | 0.179 | 0.072 |
| Aroclor-1232 | ND | | 0.179 | 0.072 |
| Aroclor-1242 | ND | | 0.179 | 0.072 |
| Aroclor-1248 | ND | | 0.179 | 0.072 |
| Aroclor-1254 | 3.09 | | 0.179 | 0.072 |
| Aroclor-1260 | ND | | 0.179 | 0.072 |
| Aroclor-1262 | ND | | 0.179 | 0.072 |
| Aroclor-1268 | ND | | 0.179 | 0.072 |
| PCBs | 3.09 | | 0.179 | 0.072 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-046
Client ID: Q-42_(8.0-
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 07/30/2012
Data file: Y7654.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.30g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 46.4

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

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-047
Client ID: Q-43_(0-2.
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 07/30/2012
Data file: Y7655.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.54g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 11.5

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 4.08 | 1.63 |
| Aroclor-1221 | ND | | 4.08 | 1.63 |
| Aroclor-1232 | ND | | 4.08 | 1.63 |
| Aroclor-1242 | ND | | 4.08 | 1.63 |
| Aroclor-1248 | 20.9 | | 4.08 | 1.63 |
| Aroclor-1254 | ND | | 4.08 | 1.63 |
| Aroclor-1260 | ND | | 4.08 | 1.63 |
| Aroclor-1262 | ND | | 4.08 | 1.63 |
| Aroclor-1268 | ND | | 4.08 | 1.63 |
| PCBs | 20.9 | | 4.08 | 1.63 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-048
Client ID: Q-43_(2.0-
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 08/01/2012
Data file: Y7763.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.48g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 2
% Moisture: 17.3

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.088 | 0.035 |
| Aroclor-1221 | ND | | 0.088 | 0.035 |
| Aroclor-1232 | ND | | 0.088 | 0.035 |
| Aroclor-1242 | ND | | 0.088 | 0.035 |
| Aroclor-1248 | 10.3 | | 0.088 | 0.035 |
| Aroclor-1254 | ND | | 0.088 | 0.035 |
| Aroclor-1260 | 7.84 | | 0.088 | 0.035 |
| Aroclor-1262 | ND | | 0.088 | 0.035 |
| Aroclor-1268 | ND | | 0.088 | 0.035 |
| PCBs | 18.1 | | 0.088 | 0.035 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-049
Client ID: Q-43_(4.0-
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 08/02/2012
Data file: Y7816.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.50g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10000
% Moisture: 43.6

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 645 | 258 |
| Aroclor-1221 | ND | | 645 | 258 |
| Aroclor-1232 | ND | | 645 | 258 |
| Aroclor-1242 | ND | | 645 | 258 |
| Aroclor-1248 | ND | | 645 | 258 |
| Aroclor-1254 | 34000 | | 645 | 258 |
| Aroclor-1260 | ND | | 645 | 258 |
| Aroclor-1262 | ND | | 645 | 258 |
| Aroclor-1268 | ND | | 645 | 258 |
| PCBs | 34000 | | 645 | 258 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-050
Client ID: Q-43_(6.0-
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 08/01/2012
Data file: Y7765.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.57g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 61.0

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.092 | 0.037 |
| Aroclor-1221 | ND | | 0.092 | 0.037 |
| Aroclor-1232 | ND | | 0.092 | 0.037 |
| Aroclor-1242 | ND | | 0.092 | 0.037 |
| Aroclor-1248 | ND | | 0.092 | 0.037 |
| Aroclor-1254 | 1.57 | | 0.092 | 0.037 |
| Aroclor-1260 | ND | | 0.092 | 0.037 |
| Aroclor-1262 | ND | | 0.092 | 0.037 |
| Aroclor-1268 | ND | | 0.092 | 0.037 |
| PCBs | 1.57 | | 0.092 | 0.037 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-051
Client ID: Q-44_(0-2.
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 08/01/2012
Data file: Y7766.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.64g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 15.3

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.419 | 0.167 |
| Aroclor-1221 | ND | | 0.419 | 0.167 |
| Aroclor-1232 | ND | | 0.419 | 0.167 |
| Aroclor-1242 | ND | | 0.419 | 0.167 |
| Aroclor-1248 | 38.5 | | 0.419 | 0.167 |
| Aroclor-1254 | ND | | 0.419 | 0.167 |
| Aroclor-1260 | 12.1 | | 0.419 | 0.167 |
| Aroclor-1262 | ND | | 0.419 | 0.167 |
| Aroclor-1268 | ND | | 0.419 | 0.167 |
| PCBs | 50.6 | | 0.419 | 0.167 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-052
Client ID: Q-44_(2.0-
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 08/01/2012
Data file: Y7767.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.33g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 2
% Moisture: 34.1

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.114 | 0.046 |
| Aroclor-1221 | ND | | 0.114 | 0.046 |
| Aroclor-1232 | ND | | 0.114 | 0.046 |
| Aroclor-1242 | ND | | 0.114 | 0.046 |
| Aroclor-1248 | 9.97 | | 0.114 | 0.046 |
| Aroclor-1254 | 11.1 | | 0.114 | 0.046 |
| Aroclor-1260 | ND | | 0.114 | 0.046 |
| Aroclor-1262 | ND | | 0.114 | 0.046 |
| Aroclor-1268 | ND | | 0.114 | 0.046 |
| PCBs | 21.1 | | 0.114 | 0.046 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-053
Client ID: Q-44_(4.0-
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 07/31/2012
Data file: Y7661.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.63g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 46.2

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.066 | 0.026 |
| Aroclor-1221 | ND | | 0.066 | 0.026 |
| Aroclor-1232 | ND | | 0.066 | 0.026 |
| Aroclor-1242 | ND | | 0.066 | 0.026 |
| Aroclor-1248 | 0.185 | | 0.066 | 0.026 |
| Aroclor-1254 | ND | | 0.066 | 0.026 |
| Aroclor-1260 | ND | | 0.066 | 0.026 |
| Aroclor-1262 | ND | | 0.066 | 0.026 |
| Aroclor-1268 | ND | | 0.066 | 0.026 |
| PCBs | 0.185 | | 0.066 | 0.026 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-054
Client ID: R-43_(0-2.
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 07/31/2012
Data file: Y7662.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.71g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 10.4

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.391 | 0.156 |
| Aroclor-1221 | ND | | 0.391 | 0.156 |
| Aroclor-1232 | ND | | 0.391 | 0.156 |
| Aroclor-1242 | ND | | 0.391 | 0.156 |
| Aroclor-1248 | 24.8 | | 0.391 | 0.156 |
| Aroclor-1254 | ND | | 0.391 | 0.156 |
| Aroclor-1260 | 40.7 | | 0.391 | 0.156 |
| Aroclor-1262 | ND | | 0.391 | 0.156 |
| Aroclor-1268 | ND | | 0.391 | 0.156 |
| PCBs | 65.5 | | 0.391 | 0.156 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-055
Client ID: R-43_(2.0-
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 07/26/2012
Data file: Y7426.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.17g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 13.4

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.045 | 0.018 |
| Aroclor-1221 | ND | | 0.045 | 0.018 |
| Aroclor-1232 | ND | | 0.045 | 0.018 |
| Aroclor-1242 | ND | | 0.045 | 0.018 |
| Aroclor-1248 | 6.04 | | 0.045 | 0.018 |
| Aroclor-1254 | ND | | 0.045 | 0.018 |
| Aroclor-1260 | 2.59 | | 0.045 | 0.018 |
| Aroclor-1262 | ND | | 0.045 | 0.018 |
| Aroclor-1268 | ND | | 0.045 | 0.018 |
| PCBs | 8.63 | | 0.045 | 0.018 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-056
Client ID: R-43_(4.0-
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 07/26/2012
Data file: Y7427.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.42g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.7

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.045 | 0.018 |
| Aroclor-1221 | ND | | 0.045 | 0.018 |
| Aroclor-1232 | ND | | 0.045 | 0.018 |
| Aroclor-1242 | ND | | 0.045 | 0.018 |
| Aroclor-1248 | 3.93 | | 0.045 | 0.018 |
| Aroclor-1254 | 2.83 | | 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 | 6.76 | | 0.045 | 0.018 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-057
Client ID: R-43_(5.0-
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 07/28/2012
Data file: Y7553.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.26g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5000
% Moisture: 60.3

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 479 | 192 |
| Aroclor-1221 | ND | | 479 | 192 |
| Aroclor-1232 | ND | | 479 | 192 |
| Aroclor-1242 | ND | | 479 | 192 |
| Aroclor-1248 | 15000 | | 479 | 192 |
| Aroclor-1254 | 18000 | | 479 | 192 |
| Aroclor-1260 | ND | | 479 | 192 |
| Aroclor-1262 | ND | | 479 | 192 |
| Aroclor-1268 | ND | | 479 | 192 |
| PCBs | 33000 | | 479 | 192 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-058
Client ID: R-43_(6.0-
Date Received: 07/16/2012
Date Extracted: 07/24/2012
Date Analyzed: 07/27/2012
Data file: Y7486.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.74g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 25.8

| Compound | Concentration | Q | RL | MDL |
|---|---|---|---|---|
| Aroclor-1016 | ND | | 0.047 | 0.019 |
| Aroclor-1221 | ND | | 0.047 | 0.019 |
| Aroclor-1232 | ND | | 0.047 | 0.019 |
| Aroclor-1242 | ND | | 0.047 | 0.019 |
| Aroclor-1248 | 0.193 | | 0.047 | 0.019 |
| Aroclor-1254 | 0.185 | | 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 | 0.378 | | 0.047 | 0.019 |

# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: 07070-059
Client ID: FB-13
Date Received: 07/16/2012
Date Extracted: 07/19/2012
Date Analyzed: 07/24/2012
Data file: Y7282.D

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

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

PCB DATA

PCB QC SUMMARY

# PCB SURROGATE PERCENT RECOVERY SUMMARY

**Date Analyzed:** 07/24/2012

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

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

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

# PCB SURROGATE PERCENT RECOVERY SUMMARY

**Date Analyzed:** 07/25/2012

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

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

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

# PCB SURROGATE PERCENT RECOVERY SUMMARY

**Date Analyzed:** 07/26/2012

| Client ID | Lab Sample ID | Matrix | TCMX 1 % rec | # | DCB 1 % rec | # | TCMX 2 % rec | # | DCB 2 % rec | # |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB | BLKS120724-08 | SOIL | 105 | | 85 | | 112 | | 95 | |
| R-43_(2.0- | 07070-055 | SOIL | 93 | | 83 | | 107 | | 100 | |
| R-43_(4.0- | 07070-056 | SOIL | 87 | | 88 | | 124 | | 97 | |
| P-4SW(1)/1 | 07296-001 | SOIL | 103 | | 78 | | 111 | | 109 | |
| P-4SW(N)/9 | 07296-002 | SOIL | 106 | | 83 | | 110 | | 96 | |
| P-4SW(S)/9 | 07296-003 | SOIL | 106 | | 86 | | 108 | | 93 | |
| P-4SW(E)/9 | 07296-004 | SOIL | 105 | | 87 | | 108 | | 92 | |
| P-4SW(W)/9 | 07296-005 | SOIL | 107 | | 88 | | 109 | | 98 | |
| WC-1/0-4 | 07292-001 | SOIL | 150 | | 123 | | 152 | | 128 | |
| WC-2/0-4 | 07292-002 | SOIL | 102 | | 84 | | 105 | | 89 | |
| PLA-CTW | 07350-001 | SOLID | 37 | | 129 | | 57 | | 119 | |
| PCB | 07292-001MS | SOIL | 77 | | 62 | | 91 | | 67 | |
| PCB | 07292-001MSD | SOIL | 91 | | 70 | | 101 | | 86 | |
| PCB | LCSS120724-08 | SOIL | 96 | | 71 | | 105 | | 100 | |

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

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

# PCB SURROGATE PERCENT RECOVERY SUMMARY

**Date Analyzed:** 07/27/2012

| Client ID | Lab Sample ID | Matrix | TCMX 1 % rec | # | DCB 1 % rec | # | TCMX 2 % rec | # | DCB 2 % rec | # |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB | BLKS120724-08 | SOIL | 119 | | 66 | | 111 | | 97 | |
| R-43_(6.0- | 07070-058 | SOIL | 112 | | 120 | | 117 | | 113 | |
| PCB | LCSS120724-08 | SOIL | 121 | | 107 | | 111 | | 106 | |
| R-43_(5.0- | 07070-057 | SOIL | D | | D | | D | | D | |

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

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

# PCB SURROGATE PERCENT RECOVERY SUMMARY

**Date Analyzed:** 07/30/2012

| Client ID | Lab Sample ID | Matrix | TCMX 1 % rec | # | DCB 1 % rec | # | TCMX 2 % rec | # | DCB 2 % rec | # |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB | BLKS120724-04 | SOIL | 119 | | 70 | | 100 | | 68 | |
| Q-40_(6.0- | 07070-035 | SOIL | 108 | | M | | 109 | | 74 | |
| Q-41_(0-2. | 07070-036 | SOIL | D | | D | | D | | D | |
| Q-41_(2.0- | 07070-037 | SOIL | 123 | | 139 | | 112 | | 93 | |
| Q-41_(6.0- | 07070-039 | SOIL | D | | D | | D | | D | |
| Q-41_(8.0- | 07070-040 | SOIL | D | | D | | D | | D | |
| Q-42_(6.0- | 07070-045 | SOIL | 91 | | 87 | | 112 | | 106 | |
| Q-42_(8.0- | 07070-046 | SOIL | 106 | | 65 | | 102 | | 103 | |
| Q-43_(0-2. | 07070-047 | SOIL | D | | D | | D | | D | |
| Q-44_(4.0- | 07070-053 | SOIL | 100 | | 72 | | 100 | | 82 | |
| R-43_(0-2. | 07070-054 | SOIL | 112 | | 87 | | 102 | | 83 | |
| PCB | 07070-054MS | SOIL | 116 | | 94 | | 104 | | 111 | |
| PCB | 07070-054MSD | SOIL | 119 | | 97 | | 106 | | 95 | |
| PCB | LCSS120724-04 | SOIL | 109 | | 78 | | 100 | | 77 | |
| Q-41_(4.0- | 07070-038 | SOIL | D | | D | | D | | D | |
| Q-41_(10.0 | 07070-041 | SOIL | 105 | | 96 | | 112 | | 80 | |
| Q-42_(0-2. | 07070-042 | SOIL | D | | D | | D | | D | |
| Q-42_(2.0- | 07070-043 | SOIL | D | | D | | D | | D | |
| Q-42_(4.0- | 07070-044 | SOIL | D | | D | | D | | D | |
| Q-43_(2.0- | 07070-048 | SOIL | 88 | | 88 | | 105 | | 87 | |
| Q-43_(6.0- | 07070-050 | SOIL | 99 | | 106 | | 125 | | 103 | |
| Q-44_(0-2. | 07070-051 | SOIL | 145 | | 99 | | 130 | | 101 | |
| Q-44_(2.0- | 07070-052 | SOIL | 89 | | 90 | | 110 | | 85 | |
| Q-43_(4.0- | 07070-049 | SOIL | D | | D | | D | | D | |

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

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

# PCB SURROGATE PERCENT RECOVERY SUMMARY

**Date Analyzed:** 07/31/2012

| Client ID | Lab Sample ID | Matrix | TCMX 1 % rec | # | DCB 1 % rec | # | TCMX 2 % rec | # | DCB 2 % rec | # |
|---|---|---|---|---|---|---|---|---|---|---|
| PCB | BLKS120723-12 | SOIL | 153 | | 147 | | 158 | | 166 | |
| R-46_(2.0- | 07070-015 | SOIL | 133 | | 113 | | 133 | | 136 | |
| R-46_(4.0- | 07070-016 | SOIL | 147 | | 140 | | 159 | | 167 | |
| P-47_(0-2. | 07070-017 | SOIL | 159 | | 116 | | 154 | | 140 | |
| P-47_(2.0- | 07070-018 | SOIL | 120 | | 98 | | 132 | | 121 | |
| P-47_(4.0- | 07070-019 | SOIL | 137 | | 121 | | 160 | | 155 | |
| O-43_(0-2. | 07070-020 | SOIL | 134 | | 101 | | 132 | | 149 | |
| O-43_(2.0- | 07070-021 | SOIL | D | | D | | D | | D | |
| O-43_(4.0- | 07070-022 | SOIL | 153 | | 128 | | 154 | | 152 | |
| O-43_(6.0- | 07070-023 | SOIL | 139 | | 140 | | 158 | | 167 | |
| P-42_(0-2. | 07070-024 | SOIL | D | | D | | D | | D | |
| P-42_(2.0- | 07070-025 | SOIL | D | | D | | D | | D | |
| P-42_(4.0- | 07070-026 | SOIL | 86 | | 118 | | 120 | | 104 | |
| P-41_(0-2. | 07070-027 | SOIL | D | | D | | D | | D | |
| P-41_(2.0- | 07070-028 | SOIL | 133 | | 106 | | 120 | | 120 | |
| P-41_(4.0- | 07070-029 | SOIL | D | | D | | D | | D | |
| P-41_(5.0- | 07070-030 | SOIL | 144 | | 153 | | 159 | | 157 | |
| P-41_(6.0- | 07070-031 | SOIL | 121 | | 83 | | 108 | | 107 | |
| Q-40_(0-2. | 07070-032 | SOIL | D | | D | | D | | D | |
| Q-40_(2.0- | 07070-033 | SOIL | D | | D | | D | | D | |
| Q-40_(4.0- | 07070-034 | SOIL | 94 | | 140 | | 141 | | 119 | |
| PCB | 07070-032MS | SOIL | D | | D | | D | | D | |
| PCB | 07070-032MSD | SOIL | D | | D | | D | | D | |
| PCB | LCSS120723-12 | SOIL | 162 | | 128 | | 162 | | 159 | |

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

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

# AQUEOUS PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: LCSA120719-17

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

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

* Values outside of QC limits

NC Non calculable

Spike Recovery: __0___ out of __2__ outside limits

# SOIL PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: LCSS120723-11

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

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

* Values outside of QC limits

NC Non calculable

Spike Recovery: __0___ out of __2__ outside limits

# SOIL PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: LCSS120724-08

| Compound | SPIKE ADDED (ug/Kg) | SAMPLE CONC. (ug/Kg) | MS CONC. (ug/Kg) | MS % REC # | QC LIMITS REC. |
|---|---|---|---|---|---|
| **Aroclor-1016** | 500.0 | 0.0 | 420.6 | 84 | 70 - 130 |
| **Aroclor-1260** | 500.0 | 0.0 | 368.9 | 74 | 70 - 130 |

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

* Values outside of QC limits

NC Non calculable

Spike Recovery: __0___ out of __2__ outside limits

# SOIL PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: LCSS120724-08

| Compound | SPIKE ADDED (ug/Kg) | SAMPLE CONC. (ug/Kg) | MS CONC. (ug/Kg) | MS % REC # | QC LIMITS REC. |
|---|---|---|---|---|---|
| **Aroclor-1016** | 500.0 | 0.0 | 485.4 | 97 | 70 - 130 |
| **Aroclor-1260** | 500.0 | 0.0 | 525.9 | 105 | 70 - 130 |

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

* Values outside of QC limits

NC Non calculable

Spike Recovery: __0___ out of __2__ outside limits

# SOIL PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: LCSS120724-04

| Compound | SPIKE ADDED (ug/Kg) | SAMPLE CONC. (ug/Kg) | MS CONC. (ug/Kg) | MS % REC # | QC LIMITS REC. |
|---|---|---|---|---|---|
| **Aroclor-1016** | 500.0 | 0.0 | 416.9 | 83 | 70 - 130 |
| **Aroclor-1260** | 500.0 | 0.0 | 420.0 | 84 | 70 - 130 |

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

* Values outside of QC limits

NC Non calculable

Spike Recovery: __0___ out of __2__ outside limits

# SOIL PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: LCSS120723-12

| Compound | SPIKE ADDED (ug/Kg) | SAMPLE CONC. (ug/Kg) | MS CONC. (ug/Kg) | MS % REC # | QC LIMITS REC. |
|---|---|---|---|---|---|
| **Aroclor-1016** | 500.0 | 0.0 | 636.1 | 127 | 40 - 140 |
| **Aroclor-1260** | 500.0 | 0.0 | 612.3 | 122 | 40 - 140 |

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

Spike Recovery: __0___ out of __2__ outside limits

# AQUEOUS PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 07047-001MSD

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

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

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

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __2__ outside limits

Spike Recovery: __0___ out of __4__ outside limits

# SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 07194-001MSD

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

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

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

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __2__ outside limits

Spike Recovery: __0___ out of __4__ outside limits

# SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 07292-001MSD

| Compound | SPIKE ADDED (ug/Kg) | SAMPLE CONC. (ug/Kg) | MS CONC. (ug/Kg) | MS % REC # | QC LIMITS REC. |
|---|---|---|---|---|---|
| **Aroclor-1016** | 500.0 | 0.0 | 300.7 | 60 | 40 - 140 |
| **Aroclor-1260** | 500.0 | 0.0 | 260.0 | 52 | 40 - 140 |

| Compound | SAMPLE CONC. (ug/Kg) | MSD CONC. (ug/Kg) | # | MSD % REC | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | 0.0 | 356.3 | | 71 | 17 | 50 | 40 - 140 |
| **Aroclor-1260** | 0.0 | 330.7 | | 66 | 24 | 50 | 40 - 140 |

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

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __2__ outside limits

Spike Recovery: __0___ out of __4__ outside limits

# SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 07070-054MSD

| Compound | SPIKE ADDED (ug/Kg) | SAMPLE CONC. (ug/Kg) | MS CONC. (ug/Kg) | MS % REC # | QC LIMITS REC. |
|---|---|---|---|---|---|
| **Aroclor-1016** | 500.0 | NC | NC | NC | 40 - 140 |
| **Aroclor-1260** | 500.0 | NC | NC | NC | 40 - 140 |

| Compound | SAMPLE CONC. (ug/Kg) | MSD CONC. (ug/Kg) | # | MSD % REC | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|---|
| **Aroclor-1016** | NC | NC | | NC | NC | 50 | 40 - 140 |
| **Aroclor-1260** | NC | NC | | NC | NC | 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: __2___ out of __2__ outside limits

Spike Recovery: __4___ out of __4__ outside limits

# SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 07070-032

| Compound | SPIKE ADDED (ug/Kg) | SAMPLE CONC. (ug/Kg) | MS CONC. (ug/Kg) | MS % REC # | QC LIMITS REC. |
|---|---|---|---|---|---|
| **Aroclor-1016** | 500.0 | 0.0 | NC | NC | 40 - 140 |
| **Aroclor-1260** | 500.0 | 0.0 | NC | NC | 40 - 140 |

| Compound | SAMPLE CONC. (ug/Kg) | MSD CONC. (ug/Kg) | MSD % # REC | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| **Aroclor-1016** | 0.0 | NC | NC | NC | 50 | 40 - 140 |
| **Aroclor-1260** | 0.0 | NC | NC | NC | 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: __2___ out of __2__ outside limits

Spike Recovery: __4___ out of __4__ outside limits

# PCB METHOD BLANK SUMMARY

Lab File ID: Y7272.D

Instrument ID: GC-Y

Date Extracted: 07/19/2012

Matrix: AQUEOUS

Date Analyzed: 07/24/2012

Time Analyzed: 04:30

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

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

# PCB METHOD BLANK SUMMARY

Lab File ID: Y7359.D

Instrument ID: GC-Y

Date Extracted: 07/23/2012

Matrix: SOIL

Date Analyzed: 07/25/2012

Time Analyzed: 07:00

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

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

# PCB METHOD BLANK SUMMARY

Lab File ID: Y7425.D

Instrument ID: GC-Y

Date Extracted: 07/24/2012

Matrix: SOIL

Date Analyzed: 07/26/2012

Time Analyzed: 03:17

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

| Client ID | Lab Sample ID | Date Analyzed | Time Analyzed |
|---|---|---|---|
| R-43_(2.0- | 07070-055 | 07/26/2012 | 03:35 |
| R-43_(4.0- | 07070-056 | 07/26/2012 | 03:52 |
| P-4SW(1)/1 | 07296-001 | 07/26/2012 | 04:43 |
| P-4SW(N)/9 | 07296-002 | 07/26/2012 | 05:01 |
| P-4SW(S)/9 | 07296-003 | 07/26/2012 | 05:18 |
| P-4SW(E)/9 | 07296-004 | 07/26/2012 | 05:35 |
| P-4SW(W)/9 | 07296-005 | 07/26/2012 | 05:52 |
| WC-1/0-4 | 07292-001 | 07/26/2012 | 06:09 |
| WC-2/0-4 | 07292-002 | 07/26/2012 | 06:27 |
| PLA-CTW | 07350-001 | 07/26/2012 | 06:44 |
| PCB | 07292-001MS | 07/26/2012 | 07:01 |
| PCB | 07292-001MSD | 07/26/2012 | 07:18 |
| PCB | LCSS120724-08 | 07/26/2012 | 07:35 |

# PCB METHOD BLANK SUMMARY

| | | | |
|---|---|---|---|
| Lab File ID: | Y7484.D | Instrument ID: | GC-Y |
| Date Extracted: | 07/24/2012 | Matrix: | SOIL |
| Date Analyzed: | 07/27/2012 | Time Analyzed: | 15:52 |

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

| Client ID | Lab Sample ID | Date Analyzed | Time Analyzed |
|---|---|---|---|
| R-43_(6.0- | 07070-058 | 07/27/2012 | 16:27 |
| PCB | LCSS120724-08 | 07/27/2012 | 16:44 |
| R-43_(5.0- | 07070-057 | 07/28/2012 | 12:34 |

# PCB METHOD BLANK SUMMARY

Lab File ID: Y7642.D

Instrument ID: GC-Y

Date Extracted: 07/24/2012

Matrix: SOIL

Date Analyzed: 07/30/2012

Time Analyzed: 19:16

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

| Client ID | Lab Sample ID | Date Analyzed | Time Analyzed |
|---|---|---|---|
| Q-40_(6.0- | 07070-035 | 07/30/2012 | 19:33 |
| Q-41_(0-2. | 07070-036 | 07/30/2012 | 19:50 |
| Q-41_(2.0- | 07070-037 | 07/30/2012 | 20:08 |
| Q-41_(6.0- | 07070-039 | 07/30/2012 | 20:42 |
| Q-41_(8.0- | 07070-040 | 07/30/2012 | 20:59 |
| Q-42_(6.0- | 07070-045 | 07/30/2012 | 22:25 |
| Q-42_(8.0- | 07070-046 | 07/30/2012 | 22:42 |
| Q-43_(0-2. | 07070-047 | 07/30/2012 | 22:59 |
| Q-44_(4.0- | 07070-053 | 07/31/2012 | 00:43 |
| R-43_(0-2. | 07070-054 | 07/31/2012 | 01:00 |
| PCB | 07070-054MS | 07/31/2012 | 01:17 |
| PCB | 07070-054MSD | 07/31/2012 | 01:34 |
| PCB | LCSS120724-04 | 07/31/2012 | 01:51 |
| Q-41_(4.0- | 07070-038 | 08/01/2012 | 19:17 |
| Q-41_(10.0 | 07070-041 | 08/01/2012 | 19:35 |
| Q-42_(0-2. | 07070-042 | 08/01/2012 | 19:52 |
| Q-42_(2.0- | 07070-043 | 08/01/2012 | 20:09 |
| Q-42_(4.0- | 07070-044 | 08/01/2012 | 20:26 |
| Q-43_(2.0- | 07070-048 | 08/01/2012 | 20:43 |
| Q-43_(6.0- | 07070-050 | 08/01/2012 | 21:18 |
| Q-44_(0-2. | 07070-051 | 08/01/2012 | 21:35 |
| Q-44_(2.0- | 07070-052 | 08/01/2012 | 21:52 |
| Q-43_(4.0- | 07070-049 | 08/02/2012 | 12:49 |

# PCB METHOD BLANK SUMMARY

Lab File ID: R2217.D

Instrument ID: GC-R

Date Extracted: 07/23/2012

Matrix: SOIL

Date Analyzed: 07/31/2012

Time Analyzed: 15:32

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

| Client ID | Lab Sample ID | Date Analyzed | Time Analyzed |
|---|---|---|---|
| R-46_(2.0- | 07070-015 | 07/31/2012 | 15:49 |
| R-46_(4.0- | 07070-016 | 07/31/2012 | 16:07 |
| P-47_(0-2. | 07070-017 | 07/31/2012 | 16:24 |
| P-47_(2.0- | 07070-018 | 07/31/2012 | 16:42 |
| P-47_(4.0- | 07070-019 | 07/31/2012 | 16:59 |
| O-43_(0-2. | 07070-020 | 07/31/2012 | 17:17 |
| O-43_(2.0- | 07070-021 | 07/31/2012 | 17:34 |
| O-43_(4.0- | 07070-022 | 07/31/2012 | 17:52 |
| O-43_(6.0- | 07070-023 | 07/31/2012 | 18:09 |
| P-42_(0-2. | 07070-024 | 07/31/2012 | 18:26 |
| P-42_(2.0- | 07070-025 | 07/31/2012 | 18:44 |
| P-42_(4.0- | 07070-026 | 07/31/2012 | 19:01 |
| P-41_(0-2. | 07070-027 | 07/31/2012 | 19:19 |
| P-41_(2.0- | 07070-028 | 07/31/2012 | 19:36 |
| P-41_(4.0- | 07070-029 | 07/31/2012 | 19:54 |
| P-41_(5.0- | 07070-030 | 07/31/2012 | 20:11 |
| P-41_(6.0- | 07070-031 | 07/31/2012 | 20:29 |
| Q-40_(0-2. | 07070-032 | 07/31/2012 | 20:46 |
| Q-40_(2.0- | 07070-033 | 07/31/2012 | 21:03 |
| Q-40_(4.0- | 07070-034 | 07/31/2012 | 21:21 |
| PCB | 07070-032MS | 07/31/2012 | 21:38 |
| PCB | 07070-032MSD | 07/31/2012 | 21:56 |
| PCB | LCSS120723-12 | 07/31/2012 | 22:13 |

# AROCLOR INITIAL CALIBRATION SUMMARY

**Date Analyzed:** 06/26/2012

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

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

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

# AROCLOR INITIAL CALIBRATION SUMMARY

**Date Analyzed:** 06/26/2012

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

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

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

# AROCLOR INITIAL CALIBRATION SUMMARY

**Date Analyzed:** 06/26/2012

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

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

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

# AROCLOR INITIAL CALIBRATION SUMMARY

**Date Analyzed:** 06/26/2012

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

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

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

# AROCLOR INITIAL CALIBRATION SUMMARY

**Date Analyzed:** 06/26/2012

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

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

| Compound | RT OF STANDARDS 10 | 50 | 500 | 1000 | 2000 | MEAN RT | RT WI NDOW FROM | TO |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1262 | | | 8.62 | | | | 7.72 | 7.72 |
| Aroclor-1262 {2} | | | 9.47 | | | | 8.57 | 8.57 |
| Aroclor-1262 {3} | | | 10.10 | | | | 9.20 | 9.20 |
| Aroclor-1262 {4} | | | 10.19 | | | | 9.19 | 9.19 |
| Aroclor-1262 {5} | | | 11.01 | | | | 10.01 | 10.01 |
| Aroclor-1268 | | | 10.10 | | | | 9.10 | 9.10 |
| Aroclor-1268 {2} | | | 10.19 | | | | 9.09 | 9.09 |
| Aroclor-1268 {3} | | | 10.66 | | | | 9.56 | 9.56 |
| Aroclor-1268 {4} | | | 10.79 | | | | 9.69 | 9.69 |
| Aroclor-1268 {5} | | | 11.61 | | | | 10.51 | 10.51 |

**GC Column (2nd):** DB-1701P

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

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

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 06/26/2012

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

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

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

GC Column (2nd): DB-1701P

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

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

# AROCLOR INITIAL CALIBRATION SUMMARY

**Date Analyzed:** 07/27/2012

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

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

| Compound | RT OF STANDARDS 10 | 50 | 500 | 1000 | 2000 | MEAN RT | RT WINDOW FROM | TO |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.28 | 3.28 | 3.28 | 3.28 | 3.28 | 3.28 | 3.21 | 3.35 |
| Aroclor-1016 {2} | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.04 | 4.18 |
| Aroclor-1016 {3} | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.59 | 4.73 |
| Aroclor-1016 {4} | 5.16 | 5.17 | 5.17 | 5.17 | 5.17 | 5.17 | 5.10 | 5.24 |
| Aroclor-1016 {5} | 5.56 | 5.56 | 5.56 | 5.56 | 5.56 | 5.56 | 5.49 | 5.63 |
| Aroclor-1221 | | | 2.18 | | | | 2.11 | 2.25 |
| Aroclor-1221 {2} | | | 3.07 | | | | 3.00 | 3.14 |
| Aroclor-1221 {3} | | | 3.20 | | | | 3.13 | 3.27 |
| Aroclor-1221 {4} | | | 3.28 | | | | 3.21 | 3.35 |
| Aroclor-1221 {5} | | | 3.87 | | | | 3.80 | 3.94 |
| Aroclor-1232 | | | 3.28 | | | | 3.21 | 3.35 |
| Aroclor-1232 {2} | | | 4.11 | | | | 4.04 | 4.18 |
| Aroclor-1232 {3} | | | 4.77 | | | | 4.70 | 4.84 |
| Aroclor-1232 {4} | | | 5.37 | | | | 5.30 | 5.44 |
| Aroclor-1232 {5} | | | 5.56 | | | | 5.49 | 5.63 |
| Aroclor-1242 | | | 4.11 | | | | 4.04 | 4.18 |
| Aroclor-1242 {2} | | | 5.05 | | | | 4.98 | 5.12 |
| Aroclor-1242 {3} | | | 5.37 | | | | 5.30 | 5.44 |
| Aroclor-1242 {4} | | | 6.06 | | | | 5.99 | 6.13 |
| Aroclor-1242 {5} | | | 6.33 | | | | 6.26 | 6.40 |
| Aroclor-1248 | | | 4.51 | | | | 4.43 | 4.59 |
| Aroclor-1248 {2} | | | 5.05 | | | | 4.97 | 5.13 |
| Aroclor-1248 {3} | | | 5.37 | | | | 5.29 | 5.45 |
| Aroclor-1248 {4} | | | 6.06 | | | | 5.98 | 6.14 |
| Aroclor-1248 {5} | | | 6.33 | | | | 6.25 | 6.41 |
| Aroclor-1254 | | | 6.46 | | | | 6.38 | 6.54 |
| Aroclor-1254 {2} | | | 6.89 | | | | 6.81 | 6.97 |
| Aroclor-1254 {3} | | | 7.05 | | | | 6.96 | 7.14 |
| Aroclor-1254 {4} | | | 7.49 | | | | 7.40 | 7.58 |
| Aroclor-1254 {5} | | | 8.33 | | | | 8.24 | 8.42 |
| Aroclor-1260 | 8.33 | 8.33 | 8.33 | 8.33 | 8.33 | 8.33 | 7.43 | 9.23 |
| Aroclor-1260 {2} | 9.01 | 9.00 | 9.00 | 9.01 | 9.00 | 9.01 | 8.11 | 9.91 |
| Aroclor-1260 {3} | 9.48 | 9.48 | 9.48 | 9.48 | 9.48 | 9.48 | 8.58 | 10.38 |
| Aroclor-1260 {4} | 9.96 | 9.96 | 9.96 | 9.96 | 9.96 | 9.96 | 9.06 | 10.86 |
| Aroclor-1260 {5} | 11.02 | 11.02 | 11.02 | 11.02 | 11.02 | 11.02 | 10.12 | 11.92 |

# AROCLOR INITIAL CALIBRATION SUMMARY

**Date Analyzed:** 07/27/2012

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

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

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

# AROCLOR INITIAL CALIBRATION SUMMARY

**Date Analyzed:** 07/27/2012

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

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

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

# AROCLOR INITIAL CALIBRATION SUMMARY

**Date Analyzed:** 07/27/2012

**Instrument ID:** GC-Y

**GC Column (2nd):** RTX-CLP2

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

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

# AROCLOR INITIAL CALIBRATION SUMMARY

**Date Analyzed:** 07/27/2012

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

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

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

**GC Column (2nd):** DB-1701P

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

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

# AROCLOR INITIAL CALIBRATION SUMMARY

**Date Analyzed:** 07/27/2012

**Instrument ID:** GC-Y

**GC Column (1st):** DB-5

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

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

**GC Column (2nd):** DB-1701P

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

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

# PCB INITIAL CALIBRATION SUMMARY

**Date Analyzed:** 07/25/2012

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

**Data File:** R1919.D R1918.D R1917.D R1916.D R1915.D

| Compound | RT OF STANDARDS 10 | 50 | 500 | 1000 | 2000 | MEAN RT | RT WI NDOW FROM | TO |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.97 | 3.98 | 3.97 | 3.97 | 3.97 | 3.97 | 3.90 | 4.04 |
| Aroclor-1016 {2} | 4.87 | 4.87 | 4.87 | 4.87 | 4.87 | 4.87 | 4.80 | 4.94 |
| Aroclor-1016 {3} | 5.45 | 5.46 | 5.45 | 5.45 | 5.45 | 5.45 | 5.38 | 5.52 |
| Aroclor-1016 {4} | 5.98 | 5.99 | 5.98 | 5.98 | 5.98 | 5.98 | 5.91 | 6.05 |
| Aroclor-1016 {5} | 6.40 | 6.40 | 6.39 | 6.39 | 6.39 | 6.40 | 6.33 | 6.47 |
| Aroclor-1221 | | | 2.75 | | | | 2.68 | 2.82 |
| Aroclor-1221 {2} | | | 3.75 | | | | 3.68 | 3.82 |
| Aroclor-1221 {3} | | | 3.89 | | | | 3.82 | 3.96 |
| Aroclor-1221 {4} | | | 3.98 | | | | 3.91 | 4.05 |
| Aroclor-1221 {5} | | | 4.62 | | | | 4.55 | 4.69 |
| Aroclor-1232 | | | 3.97 | | | | 3.90 | 4.04 |
| Aroclor-1232 {2} | | | 4.87 | | | | 4.80 | 4.94 |
| Aroclor-1232 {3} | | | 5.57 | | | | 5.50 | 5.64 |
| Aroclor-1232 {4} | | | 6.19 | | | | 6.12 | 6.26 |
| Aroclor-1232 {5} | | | 6.39 | | | | 6.32 | 6.46 |
| Aroclor-1242 | | | 4.87 | | | | 4.80 | 4.94 |
| Aroclor-1242 {2} | | | 5.85 | | | | 5.78 | 5.92 |
| Aroclor-1242 {3} | | | 6.19 | | | | 6.12 | 6.26 |
| Aroclor-1242 {4} | | | 6.91 | | | | 6.84 | 6.98 |
| Aroclor-1242 {5} | | | 7.19 | | | | 7.12 | 7.26 |
| Aroclor-1248 | | | 5.29 | | | | 5.21 | 5.37 |
| Aroclor-1248 {2} | | | 5.85 | | | | 5.77 | 5.93 |
| Aroclor-1248 {3} | | | 6.19 | | | | 6.11 | 6.27 |
| Aroclor-1248 {4} | | | 6.91 | | | | 6.83 | 6.99 |
| Aroclor-1248 {5} | | | 7.19 | | | | 7.11 | 7.27 |
| Aroclor-1254 | | | 7.32 | | | | 7.24 | 7.40 |
| Aroclor-1254 {2} | | | 7.77 | | | | 7.69 | 7.85 |
| Aroclor-1254 {3} | | | 7.94 | | | | 7.85 | 8.03 |
| Aroclor-1254 {4} | | | 8.38 | | | | 8.29 | 8.47 |
| Aroclor-1254 {5} | | | 9.24 | | | | 9.15 | 9.33 |
| Aroclor-1260 | 9.24 | 9.25 | 9.24 | 9.24 | 9.24 | 9.24 | 8.34 | 10.14 |
| Aroclor-1260 {2} | 9.93 | 9.93 | 9.93 | 9.93 | 9.93 | 9.93 | 9.03 | 10.83 |
| Aroclor-1260 {3} | 10.41 | 10.41 | 10.41 | 10.41 | 10.41 | 10.41 | 9.51 | 11.31 |
| Aroclor-1260 {4} | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 | 10.90 | 10.00 | 11.80 |
| Aroclor-1260 {5} | 11.97 | 11.98 | 11.97 | 11.97 | 11.97 | 11.97 | 11.07 | 12.87 |

# PCB INITIAL CALIBRATION SUMMARY

**Date Analyzed:** 07/25/2012

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

**Data File:** R1919.D R1918.D R1917.D R1916.D R1915.D

| Compound | CALIBRATION FACTORS 10 | 50 | 500 | 1000 | 2000 | MEAN | %RSD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 3861329 | 4067553 | 3619811 | 3437341 | 2971339 | 3591475 | 11.72 |
| Aroclor-1016 {2} | 4695381 | 4865302 | 5078037 | 4757873 | 4069195 | 4693158 | 8.05 |
| Aroclor-1016 {3} | 6015529 | 6809814 | 6552496 | 6296680 | 5450176 | 6224939 | 8.42 |
| Aroclor-1016 {4} | 2789407 | 3169082 | 3168266 | 2882177 | 2665825 | 2934952 | 7.73 |
| Aroclor-1016 {5} | 4979140 | 5560978 | 5779253 | 5244328 | 4863334 | 5285406 | 7.29 |
| Aroclor-1221 | | | 1640552 | | | | |
| Aroclor-1221 {2} | | | 2197818 | | | | |
| Aroclor-1221 {3} | | | 1672140 | | | | |
| Aroclor-1221 {4} | | | 5407552 | | | | |
| Aroclor-1221 {5} | | | 1324546 | | | | |
| Aroclor-1232 | | | 4223861 | | | | |
| Aroclor-1232 {2} | | | 2180042 | | | | |
| Aroclor-1232 {3} | | | 2381496 | | | | |
| Aroclor-1232 {4} | | | 2159524 | | | | |
| Aroclor-1232 {5} | | | 3173122 | | | | |
| Aroclor-1242 | | | 3800619 | | | | |
| Aroclor-1242 {2} | | | 2659534 | | | | |
| Aroclor-1242 {3} | | | 3443534 | | | | |
| Aroclor-1242 {4} | | | 5652690 | | | | |
| Aroclor-1242 {5} | | | 5439273 | | | | |
| Aroclor-1248 | | | 8552929 | | | | |
| Aroclor-1248 {2} | | | 4740006 | | | | |
| Aroclor-1248 {3} | | | 5296401 | | | | |
| Aroclor-1248 {4} | | | 9498316 | | | | |
| Aroclor-1248 {5} | | | 8163445 | | | | |
| Aroclor-1254 | | | 11251566 | | | | |
| Aroclor-1254 {2} | | | 7390109 | | | | |
| Aroclor-1254 {3} | | | 13152717 | | | | |
| Aroclor-1254 {4} | | | 16941349 | | | | |
| Aroclor-1254 {5} | | | 16885116 | | | | |
| Aroclor-1260 | 21866768 | 23259627 | 22830219 | 22816846 | 20542478 | 22263188 | 4.89 |
| Aroclor-1260 {2} | 9585139 | 10051854 | 10391724 | 10251213 | 9199259 | 9895838 | 5.00 |
| Aroclor-1260 {3} | 31960380 | 34871505 | 33638324 | 33788008 | 29259200 | 32703483 | 6.69 |
| Aroclor-1260 {4} | 12618028 | 15094886 | 14722423 | 14818733 | 13869341 | 14224682 | 7.09 |
| Aroclor-1260 {5} | 7309233 | 6730445 | 6399047 | 6376001 | 6255770 | 6614099 | 6.45 |
| | | | | | Average %RSD | | 7.33 |

# PCB INITIAL CALIBRATION SUMMARY

**Date Analyzed:** 07/25/2012

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

**Data File:** R1919.C R1918.C R1917.C R1916.C R1915.C

| Compound | RT OF STANDARDS 10 | 50 | 500 | 1000 | 2000 | MEAN RT | RT WI NDOW FROM | TO |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 4.32 | 4.33 | 4.32 | 4.32 | 4.32 | 4.32 | 4.25 | 4.39 |
| Aroclor-1016 {2} | 4.94 | 4.96 | 4.94 | 4.94 | 4.94 | 4.94 | 4.87 | 5.01 |
| Aroclor-1016 {3} | 5.72 | 5.73 | 5.71 | 5.71 | 5.71 | 5.72 | 5.65 | 5.79 |
| Aroclor-1016 {4} | 5.93 | 5.94 | 5.93 | 5.93 | 5.93 | 5.93 | 5.86 | 6.00 |
| Aroclor-1016 {5} | 6.11 | 6.12 | 6.11 | 6.11 | 6.11 | 6.11 | 6.04 | 6.18 |
| Aroclor-1221 | | | 2.93 | | | | 2.86 | 3.00 |
| Aroclor-1221 {2} | | | 3.99 | | | | 3.92 | 4.06 |
| Aroclor-1221 {3} | | | 4.24 | | | | 4.17 | 4.31 |
| Aroclor-1221 {4} | | | 4.33 | | | | 4.26 | 4.40 |
| Aroclor-1221 {5} | | | 5.73 | | | | 5.66 | 5.80 |
| Aroclor-1232 | | | 4.32 | | | | 4.25 | 4.39 |
| Aroclor-1232 {2} | | | 5.34 | | | | 5.27 | 5.41 |
| Aroclor-1232 {3} | | | 5.93 | | | | 5.86 | 6.00 |
| Aroclor-1232 {4} | | | 6.11 | | | | 6.04 | 6.18 |
| Aroclor-1232 {5} | | | 6.72 | | | | 6.65 | 6.79 |
| Aroclor-1242 | | | 5.34 | | | | 5.27 | 5.41 |
| Aroclor-1242 {2} | | | 6.11 | | | | 6.04 | 6.18 |
| Aroclor-1242 {3} | | | 6.72 | | | | 6.65 | 6.79 |
| Aroclor-1242 {4} | | | 6.88 | | | | 6.81 | 6.95 |
| Aroclor-1242 {5} | | | 7.41 | | | | 7.34 | 7.48 |
| Aroclor-1248 | | | 5.71 | | | | 5.63 | 5.79 |
| Aroclor-1248 {2} | | | 6.31 | | | | 6.23 | 6.39 |
| Aroclor-1248 {3} | | | 6.72 | | | | 6.64 | 6.80 |
| Aroclor-1248 {4} | | | 6.88 | | | | 6.80 | 6.96 |
| Aroclor-1248 {5} | | | 7.23 | | | | 7.15 | 7.31 |
| Aroclor-1254 | | | 7.73 | | | | 7.65 | 7.81 |
| Aroclor-1254 {2} | | | 8.33 | | | | 8.25 | 8.41 |
| Aroclor-1254 {3} | | | 8.78 | | | | 8.69 | 8.87 |
| Aroclor-1254 {4} | | | 8.95 | | | | 8.86 | 9.04 |
| Aroclor-1254 {5} | | | 9.78 | | | | 9.69 | 9.87 |
| Aroclor-1260 | 8.78 | 8.79 | 8.77 | 8.77 | 8.77 | 8.78 | 7.88 | 9.68 |
| Aroclor-1260 {2} | 9.18 | 9.19 | 9.18 | 9.18 | 9.18 | 9.18 | 8.28 | 10.08 |
| Aroclor-1260 {3} | 10.39 | 10.40 | 10.39 | 10.39 | 10.39 | 10.39 | 9.49 | 11.29 |
| Aroclor-1260 {4} | 10.90 | 10.90 | 10.89 | 10.89 | 10.90 | 10.90 | 10.00 | 11.80 |
| Aroclor-1260 {5} | 11.50 | 11.51 | 11.50 | 11.49 | 11.50 | 11.50 | 10.60 | 12.40 |

# PCB INITIAL CALIBRATION SUMMARY

**Date Analyzed:** 07/25/2012

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

**Data File:** R1919.C R1918.C R1917.C R1916.C R1915.C

| Compound | CALIBRATION FACTORS 10 | 50 | 500 | 1000 | 2000 | MEAN | %RSD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 2608222 | 2869531 | 2304421 | 2153128 | 1871860 | 2361432 | 16.47 |
| Aroclor-1016 {2} | 4598626 | 4968778 | 4378650 | 4064142 | 3522889 | 4306617 | 12.73 |
| Aroclor-1016 {3} | 11081464 | 11039160 | 9433695 | 9040360 | 7990408 | 9717017 | 13.74 |
| Aroclor-1016 {4} | 4704828 | 4581194 | 4022560 | 3766893 | 3288955 | 4072886 | 14.36 |
| Aroclor-1016 {5} | 3019558 | 3705962 | 3139733 | 2939987 | 2581336 | 3077315 | 13.27 |
| Aroclor-1221 | | | 1562362 | | | | |
| Aroclor-1221 {2} | | | 1841891 | | | | |
| Aroclor-1221 {3} | | | 1140460 | | | | |
| Aroclor-1221 {4} | | | 3788546 | | | | |
| Aroclor-1221 {5} | | | 886580 | | | | |
| Aroclor-1232 | | | 2776199 | | | | |
| Aroclor-1232 {2} | | | 1026973 | | | | |
| Aroclor-1232 {3} | | | 2154208 | | | | |
| Aroclor-1232 {4} | | | 1527915 | | | | |
| Aroclor-1232 {5} | | | 2276746 | | | | |
| Aroclor-1242 | | | 1666884 | | | | |
| Aroclor-1242 {2} | | | 2548204 | | | | |
| Aroclor-1242 {3} | | | 3542454 | | | | |
| Aroclor-1242 {4} | | | 2971230 | | | | |
| Aroclor-1242 {5} | | | 5445135 | | | | |
| Aroclor-1248 | | | 5118852 | | | | |
| Aroclor-1248 {2} | | | 7042789 | | | | |
| Aroclor-1248 {3} | | | 5178754 | | | | |
| Aroclor-1248 {4} | | | 4414195 | | | | |
| Aroclor-1248 {5} | | | 2431796 | | | | |
| Aroclor-1254 | | | 4580054 | | | | |
| Aroclor-1254 {2} | | | 4947639 | | | | |
| Aroclor-1254 {3} | | | 3213700 | | | | |
| Aroclor-1254 {4} | | | 4869526 | | | | |
| Aroclor-1254 {5} | | | 6402481 | | | | |
| Aroclor-1260 | 5704031 | 5929826 | 4557065 | 4280897 | 3803569 | 4855078 | 18.99 |
| Aroclor-1260 {2} | 6571695 | 6788275 | 5254450 | 5008607 | 4469661 | 5618538 | 18.02 |
| Aroclor-1260 {3} | 4854217 | 4872141 | 4046670 | 3860688 | 3476569 | 4222057 | 14.69 |
| Aroclor-1260 {4} | 9968490 | 9821288 | 8487533 | 8314183 | 7640190 | 8846337 | 11.41 |
| Aroclor-1260 {5} | 6995420 | 7546226 | 6224798 | 6074186 | 5570054 | 6482137 | 12.10 |
| | | | | | Average %RSD | | 14.58 |

# AROCLOR INITIAL CALIBRATION SUMMARY

**Date Analyzed:** 07/25/2012

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

**Data File:** R1919.D R1918.D R1917.D R1916.D R1915.D

| Compound | RT OF STANDARDS 10 | 50 | 500 | 1000 | 2000 | MEAN RT | RT WINDOW FROM | TO |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1262 | | | 9.54 | | | | 8.64 | 8.64 |
| Aroclor-1262 {2} | | | 10.41 | | | | 9.51 | 9.51 |
| Aroclor-1262 {3} | | | 11.06 | | | | 10.16 | 10.16 |
| Aroclor-1262 {4} | | | 11.14 | | | | 10.14 | 10.14 |
| Aroclor-1262 {5} | | | 11.97 | | | | 10.97 | 10.97 |
| Aroclor-1268 | | | 11.05 | | | | 10.05 | 10.05 |
| Aroclor-1268 {2} | | | 11.14 | | | | 10.04 | 10.04 |
| Aroclor-1268 {3} | | | 11.62 | | | | 10.52 | 10.52 |
| Aroclor-1268 {4} | | | 11.75 | | | | 10.65 | 10.65 |
| Aroclor-1268 {5} | | | 12.59 | | | | 11.49 | 11.49 |

**GC Column (2nd):** DB-1701P

**Data File:** R1919.C R1918.C R1917.C R1916.C R1915.C

| Compound | RT OF STANDARDS 10 | 50 | 500 | 1000 | 2000 | MEAN RT | RT WINDOW FROM | TO |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1262 | | | 10.39 | | | | 9.49 | 9.49 |
| Aroclor-1262 {2} | | | 10.89 | | | | 9.99 | 9.99 |
| Aroclor-1262 {3} | | | 11.40 | | | | 10.50 | 10.50 |
| Aroclor-1262 {4} | | | 11.49 | | | | 10.49 | 10.49 |
| Aroclor-1262 {5} | | | 12.10 | | | | 11.10 | 11.10 |
| Aroclor-1268 | | | 11.40 | | | | 10.40 | 10.40 |
| Aroclor-1268 {2} | | | 11.48 | | | | 10.38 | 10.38 |
| Aroclor-1268 {3} | | | 11.74 | | | | 10.64 | 10.64 |
| Aroclor-1268 {4} | | | 11.89 | | | | 10.79 | 10.79 |
| Aroclor-1268 {5} | | | 12.97 | | | | 11.87 | 11.87 |

# PCB INITIAL CALIBRATION SUMMARY

**Date Analyzed:** 07/25/2012 **Instrument ID:** GC-R
**GC Column (1st):** DB-5

**Data File:** R1919.D R1918.D R1917.D R1916.D R1915.D

| Compound | CALIBRATION FACTORS 10 | 50 | 500 | 1000 | 2000 | MEAN | %RSD |
|---|---|---|---|---|---|---|---|
| Aroclor-1262 | | | 25674500 | | | | |
| Aroclor-1262 {2} | | | 44065395 | | | | |
| Aroclor-1262 {3} | | | 8644736 | | | | |
| Aroclor-1262 {4} | | | 17505507 | | | | |
| Aroclor-1262 {5} | | | 13587008 | | | | |
| Aroclor-1268 | | | 35316096 | | | | |
| Aroclor-1268 {2} | | | 45159285 | | | | |
| Aroclor-1268 {3} | | | 38526022 | | | | |
| Aroclor-1268 {4} | | | 9086155 | | | | |
| Aroclor-1268 {5} | | | 97397343 | | | | |

**GC Column (2nd):** DB-1701P

**Data File:** R1919.C R1918.C R1917.C R1916.C R1915.C

| Compound | CALIBRATION FACTORS 10 | 50 | 500 | 1000 | 2000 | MEAN | %RSD |
|---|---|---|---|---|---|---|---|
| Aroclor-1262 | | | 6149771 | | | | |
| Aroclor-1262 {2} | | | 14304283 | | | | |
| Aroclor-1262 {3} | | | 3954618 | | | | |
| Aroclor-1262 {4} | | | 9789175 | | | | |
| Aroclor-1262 {5} | | | 2456430 | | | | |
| Aroclor-1268 | | | 13302251 | | | | |
| Aroclor-1268 {2} | | | 14090193 | | | | |
| Aroclor-1268 {3} | | | 11831489 | | | | |
| Aroclor-1268 {4} | | | 3109771 | | | | |
| Aroclor-1268 {5} | | | 37623576 | | | | |

# AROCLOR CALIBRATION VERIFICATION SUMMARY

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

**Data File:** Y7271.D **GC Column (1st):** DB-5

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.29 | 3.21 | 3.35 | 1781815 | 1460685 | 18.02 |
| Aroclor-1016 {2} | 4.11 | 4.04 | 4.18 | 2371736 | 2190783 | 7.63 |
| Aroclor-1016 {3} | 4.66 | 4.58 | 4.72 | 3125036 | 2723138 | 12.86 |
| Aroclor-1016 {4} | 5.17 | 5.09 | 5.23 | 1513071 | 1278828 | 15.48 |
| Aroclor-1016 {5} | 5.56 | 5.48 | 5.62 | 2595618 | 2181299 | 15.96 |
| Aroclor-1260 | 8.33 | 7.42 | 9.22 | 7136339 | 5988895 | 16.08 |
| Aroclor-1260 {2} | 9.00 | 8.10 | 9.90 | 3358711 | 2822385 | 15.97 |
| Aroclor-1260 {3} | 9.48 | 8.57 | 10.37 | 8338627 | 6791092 | 18.56 |
| Aroclor-1260 {4} | 9.96 | 9.05 | 10.85 | 4218754 | 3679435 | 12.78 |
| Aroclor-1260 {5} | 11.02 | 10.11 | 11.91 | 1651625 | 1360599 | 17.62 |
| | | | | | Average %D | 15.10 |

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

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

# AROCLOR CALIBRATION VERIFICATION SUMMARY

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

**Data File:** Y7286.D **GC Column (1st):** DB-5

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.29 | 3.21 | 3.35 | 1781815 | 1502826 | 15.66 |
| Aroclor-1016 {2} | 4.11 | 4.04 | 4.18 | 2371736 | 1996750 | 15.81 |
| Aroclor-1016 {3} | 4.66 | 4.58 | 4.72 | 3125036 | 2808090 | 10.14 |
| Aroclor-1016 {4} | 5.17 | 5.09 | 5.23 | 1513071 | 1338633 | 11.53 |
| Aroclor-1016 {5} | 5.56 | 5.48 | 5.62 | 2595618 | 2272984 | 12.43 |
| Aroclor-1260 | 8.33 | 7.42 | 9.22 | 7136339 | 6618502 | 7.26 |
| Aroclor-1260 {2} | 9.00 | 8.10 | 9.90 | 3358711 | 2880829 | 14.23 |
| Aroclor-1260 {3} | 9.48 | 8.57 | 10.37 | 8338627 | 7197511 | 13.68 |
| Aroclor-1260 {4} | 9.96 | 9.05 | 10.85 | 4218754 | 3637764 | 13.77 |
| Aroclor-1260 {5} | 11.02 | 10.11 | 11.91 | 1651625 | 1600467 | 3.10 |
| | | | | | Average %D | 11.76 |

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

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

# AROCLOR CALIBRATION VERIFICATION SUMMARY

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

Data File: Y7358.D GC Column (1st): DB-5

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.28 | 3.21 | 3.35 | 1781815 | 1526889 | 14.31 |
| Aroclor-1016 {2} | 4.11 | 4.04 | 4.18 | 2371736 | 2064725 | 12.94 |
| Aroclor-1016 {3} | 4.66 | 4.58 | 4.72 | 3125036 | 2878086 | 7.90 |
| Aroclor-1016 {4} | 5.17 | 5.09 | 5.23 | 1513071 | 1362389 | 9.96 |
| Aroclor-1016 {5} | 5.56 | 5.48 | 5.62 | 2595618 | 2317824 | 10.70 |
| Aroclor-1260 | 8.33 | 7.42 | 9.22 | 7136339 | 6988441 | 2.07 |
| Aroclor-1260 {2} | 9.01 | 8.10 | 9.90 | 3358711 | 2906139 | 13.47 |
| Aroclor-1260 {3} | 9.48 | 8.57 | 10.37 | 8338627 | 8021323 | 3.81 |
| Aroclor-1260 {4} | 9.96 | 9.05 | 10.85 | 4218754 | 3982764 | 5.59 |
| Aroclor-1260 {5} | 11.02 | 10.11 | 11.91 | 1651625 | 1790623 | 8.42 |
| | | | | | Average %D | 8.92 |

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

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

# AROCLOR CALIBRATION VERIFICATION SUMMARY

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

Data File: Y7383.D GC Column (1st): DB-5

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.28 | 3.21 | 3.35 | 1781815 | 1510618 | 15.22 |
| Aroclor-1016 {2} | 4.11 | 4.04 | 4.18 | 2371736 | 2040053 | 13.98 |
| Aroclor-1016 {3} | 4.66 | 4.58 | 4.72 | 3125036 | 2840918 | 9.09 |
| Aroclor-1016 {4} | 5.17 | 5.09 | 5.23 | 1513071 | 1353946 | 10.52 |
| Aroclor-1016 {5} | 5.56 | 5.48 | 5.62 | 2595618 | 2287009 | 11.89 |
| Aroclor-1260 | 8.33 | 7.42 | 9.22 | 7136339 | 6967409 | 2.37 |
| Aroclor-1260 {2} | 9.01 | 8.10 | 9.90 | 3358711 | 2899622 | 13.67 |
| Aroclor-1260 {3} | 9.48 | 8.57 | 10.37 | 8338627 | 8091050 | 2.97 |
| Aroclor-1260 {4} | 9.96 | 9.05 | 10.85 | 4218754 | 4079429 | 3.30 |
| Aroclor-1260 {5} | 11.02 | 10.11 | 11.91 | 1651625 | 1879589 | 13.80 |
| | | | | | Average %D | 9.68 |

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

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

# AROCLOR CALIBRATION VERIFICATION SUMMARY

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

Data File: Y7410.D GC Column (1st): DB-5

| Compound | RT | RT WINDOW FROM | RT WINDOW TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.28 | 3.21 | 3.35 | 1781815 | 1613602 | 9.44 |
| Aroclor-1016 {2} | 4.11 | 4.04 | 4.18 | 2371736 | 2140606 | 9.75 |
| Aroclor-1016 {3} | 4.66 | 4.58 | 4.72 | 3125036 | 2978831 | 4.68 |
| Aroclor-1016 {4} | 5.17 | 5.09 | 5.23 | 1513071 | 1427884 | 5.63 |
| Aroclor-1016 {5} | 5.56 | 5.48 | 5.62 | 2595618 | 2406717 | 7.28 |
| Aroclor-1260 | 8.33 | 7.42 | 9.22 | 7136339 | 6918197 | 3.06 |
| Aroclor-1260 {2} | 9.00 | 8.10 | 9.90 | 3358711 | 2927858 | 12.83 |
| Aroclor-1260 {3} | 9.48 | 8.57 | 10.37 | 8338627 | 7880097 | 5.50 |
| Aroclor-1260 {4} | 9.96 | 9.05 | 10.85 | 4218754 | 3935095 | 6.72 |
| Aroclor-1260 {5} | 11.02 | 10.11 | 11.91 | 1651625 | 1577550 | 4.48 |
| | | | | | Average %D | 6.94 |

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

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

# AROCLOR CALIBRATION VERIFICATION SUMMARY

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

Data File: Y7423.D GC Column (1st): DB-5

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.28 | 3.21 | 3.35 | 1781815 | 1561541 | 12.36 |
| Aroclor-1016 {2} | 4.11 | 4.04 | 4.18 | 2371736 | 2038137 | 14.07 |
| Aroclor-1016 {3} | 4.66 | 4.58 | 4.72 | 3125036 | 2842497 | 9.04 |
| Aroclor-1016 {4} | 5.17 | 5.09 | 5.23 | 1513071 | 1337871 | 11.58 |
| Aroclor-1016 {5} | 5.56 | 5.48 | 5.62 | 2595618 | 2261382 | 12.88 |
| Aroclor-1260 | 8.33 | 7.42 | 9.22 | 7136339 | 6094477 | 14.60 |
| Aroclor-1260 {2} | 9.00 | 8.10 | 9.90 | 3358711 | 2964222 | 11.75 |
| Aroclor-1260 {3} | 9.48 | 8.57 | 10.37 | 8338627 | 6872317 | 17.58 |
| Aroclor-1260 {4} | 9.96 | 9.05 | 10.85 | 4218754 | 3671028 | 12.98 |
| Aroclor-1260 {5} | 11.02 | 10.11 | 11.91 | 1651625 | 1560365 | 5.53 |
| | | | | | Average %D | 12.24 |

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

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

# AROCLOR CALIBRATION VERIFICATION SUMMARY

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

**Data File:** Y7424.D **GC Column (1st):** DB-5

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.28 | 3.21 | 3.35 | 1781815 | 1621484 | 9.00 |
| Aroclor-1016 {2} | 4.11 | 4.04 | 4.18 | 2371736 | 2127527 | 10.30 |
| Aroclor-1016 {3} | 4.66 | 4.58 | 4.72 | 3125036 | 2972898 | 4.87 |
| Aroclor-1016 {4} | 5.17 | 5.09 | 5.23 | 1513071 | 1399732 | 7.49 |
| Aroclor-1016 {5} | 5.56 | 5.48 | 5.62 | 2595618 | 2367688 | 8.78 |
| Aroclor-1260 | 8.34 | 7.42 | 9.22 | 7136339 | 5941674 | 16.74 |
| Aroclor-1260 {2} | 9.01 | 8.10 | 9.90 | 3358711 | 2908073 | 13.42 |
| Aroclor-1260 {3} | 9.48 | 8.57 | 10.37 | 8338627 | 7182316 | 13.87 |
| Aroclor-1260 {4} | 9.96 | 9.05 | 10.85 | 4218754 | 3587737 | 14.96 |
| Aroclor-1260 {5} | 11.02 | 10.11 | 11.91 | 1651625 | 1430776 | 13.37 |
| | | | | | Average %D | 11.28 |

**Data File:** Y7424.C **GC Column (2nd):** DB-1701P

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.79 | 3.75 | 3.89 | 559998 | 578699 | 3.34 |
| Aroclor-1016 {2} | 4.39 | 4.35 | 4.49 | 1150027 | 1169787 | 1.72 |
| Aroclor-1016 {3} | 5.14 | 5.10 | 5.24 | 2577359 | 2712179 | 5.23 |
| Aroclor-1016 {4} | 5.35 | 5.31 | 5.45 | 1059949 | 1123423 | 5.99 |
| Aroclor-1016 {5} | 5.53 | 5.49 | 5.63 | 886286 | 886807 | 0.06 |
| Aroclor-1260 | 7.89 | 7.03 | 8.83 | 912187 | 967565 | 6.07 |
| Aroclor-1260 {2} | 8.14 | 7.28 | 9.08 | 1363790 | 1407077 | 3.17 |
| Aroclor-1260 {3} | 9.73 | 8.88 | 10.68 | 1129299 | 1212922 | 7.40 |
| Aroclor-1260 {4} | 10.24 | 9.38 | 11.18 | 2316162 | 2654480 | 14.61 |
| Aroclor-1260 {5} | 10.83 | 9.97 | 11.77 | 1679657 | 1784826 | 6.26 |
| | | | | | Average %D | 5.39 |

# AROCLOR CALIBRATION VERIFICATION SUMMARY

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

**Data File:** Y7441.D **GC Column (1st):** DB-5

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.28 | 3.21 | 3.35 | 1781815 | 1557150 | 12.61 |
| Aroclor-1016 {2} | 4.11 | 4.04 | 4.18 | 2371736 | 2038837 | 14.04 |
| Aroclor-1016 {3} | 4.66 | 4.58 | 4.72 | 3125036 | 2876427 | 7.96 |
| Aroclor-1016 {4} | 5.17 | 5.09 | 5.23 | 1513071 | 1370017 | 9.45 |
| Aroclor-1016 {5} | 5.56 | 5.48 | 5.62 | 2595618 | 2330759 | 10.20 |
| Aroclor-1260 | 8.34 | 7.42 | 9.22 | 7136339 | 5932097 | 16.87 |
| Aroclor-1260 {2} | 9.01 | 8.10 | 9.90 | 3358711 | 2941576 | 12.42 |
| Aroclor-1260 {3} | 9.48 | 8.57 | 10.37 | 8338627 | 6937095 | 16.81 |
| Aroclor-1260 {4} | 9.96 | 9.05 | 10.85 | 4218754 | 3552803 | 15.79 |
| Aroclor-1260 {5} | 11.02 | 10.11 | 11.91 | 1651625 | 1562522 | 5.39 |
| | | | | | Average %D | 12.15 |

**Data File:** Y7441.C **GC Column (2nd):** DB-1701P

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.79 | 3.75 | 3.89 | 559998 | 561742 | 0.31 |
| Aroclor-1016 {2} | 4.39 | 4.35 | 4.49 | 1150027 | 1127087 | 1.99 |
| Aroclor-1016 {3} | 5.14 | 5.10 | 5.24 | 2577359 | 2602674 | 0.98 |
| Aroclor-1016 {4} | 5.35 | 5.31 | 5.45 | 1059949 | 1071218 | 1.06 |
| Aroclor-1016 {5} | 5.53 | 5.49 | 5.63 | 886286 | 848164 | 4.30 |
| Aroclor-1260 | 7.89 | 7.03 | 8.83 | 912187 | 938232 | 2.86 |
| Aroclor-1260 {2} | 8.14 | 7.28 | 9.08 | 1363790 | 1351356 | 0.91 |
| Aroclor-1260 {3} | 9.73 | 8.88 | 10.68 | 1129299 | 1124458 | 0.43 |
| Aroclor-1260 {4} | 10.24 | 9.38 | 11.18 | 2316162 | 2397432 | 3.51 |
| Aroclor-1260 {5} | 10.83 | 9.97 | 11.77 | 1679657 | 1702680 | 1.37 |
| | | | | | Average %D | 1.77 |

# AROCLOR CALIBRATION VERIFICATION SUMMARY

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

**Data File:** Y7483.D **GC Column (1st):** DB-5

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.28 | 3.21 | 3.35 | 1642902 | 1689148 | 2.81 |
| Aroclor-1016 {2} | 4.11 | 4.04 | 4.18 | 2274432 | 2304210 | 1.31 |
| Aroclor-1016 {3} | 4.66 | 4.59 | 4.73 | 3100344 | 3174840 | 2.40 |
| Aroclor-1016 {4} | 5.17 | 5.10 | 5.24 | 1496150 | 1530885 | 2.32 |
| Aroclor-1016 {5} | 5.56 | 5.49 | 5.63 | 2485801 | 2555210 | 2.79 |
| Aroclor-1260 | 8.33 | 7.43 | 9.23 | 7263492 | 7729278 | 6.41 |
| Aroclor-1260 {2} | 9.00 | 8.11 | 9.91 | 3168969 | 3270107 | 3.19 |
| Aroclor-1260 {3} | 9.48 | 8.58 | 10.38 | 8252774 | 8840812 | 7.13 |
| Aroclor-1260 {4} | 9.96 | 9.06 | 10.86 | 4132782 | 4330311 | 4.78 |
| Aroclor-1260 {5} | 11.02 | 10.12 | 11.92 | 1683008 | 1913476 | 13.69 |
| | | | | | Average %D | 4.68 |

**Data File:** Y7483.C **GC Column (2nd):** DB-1701P

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.79 | 3.72 | 3.86 | 640595 | 618696 | 3.42 |
| Aroclor-1016 {2} | 4.39 | 4.32 | 4.46 | 1272837 | 1222331 | 3.97 |
| Aroclor-1016 {3} | 5.14 | 5.07 | 5.21 | 2901089 | 2821888 | 2.73 |
| Aroclor-1016 {4} | 5.35 | 5.28 | 5.42 | 1246404 | 1200554 | 3.68 |
| Aroclor-1016 {5} | 5.52 | 5.45 | 5.59 | 971379 | 938120 | 3.42 |
| Aroclor-1260 | 7.89 | 6.99 | 8.79 | 1075405 | 1070639 | 0.44 |
| Aroclor-1260 {2} | 8.14 | 7.24 | 9.04 | 1584623 | 1572172 | 0.79 |
| Aroclor-1260 {3} | 9.73 | 8.83 | 10.63 | 1324822 | 1379007 | 4.09 |
| Aroclor-1260 {4} | 10.24 | 9.34 | 11.14 | 2885884 | 3012461 | 4.39 |
| Aroclor-1260 {5} | 10.83 | 9.93 | 11.73 | 2032527 | 2194067 | 7.95 |
| | | | | | Average %D | 3.49 |

# AROCLOR CALIBRATION VERIFICATION SUMMARY

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

**Data File:** Y7493.D **GC Column (1st):** DB-5

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.28 | 3.21 | 3.35 | 1642902 | 1709103 | 4.03 |
| Aroclor-1016 {2} | 4.11 | 4.04 | 4.18 | 2274432 | 2323551 | 2.16 |
| Aroclor-1016 {3} | 4.66 | 4.59 | 4.73 | 3100344 | 3190095 | 2.89 |
| Aroclor-1016 {4} | 5.17 | 5.10 | 5.24 | 1496150 | 1541652 | 3.04 |
| Aroclor-1016 {5} | 5.56 | 5.49 | 5.63 | 2485801 | 2559939 | 2.98 |
| Aroclor-1260 | 8.33 | 7.43 | 9.23 | 7263492 | 7722492 | 6.32 |
| Aroclor-1260 {2} | 9.00 | 8.11 | 9.91 | 3168969 | 3337588 | 5.32 |
| Aroclor-1260 {3} | 9.48 | 8.58 | 10.38 | 8252774 | 8888076 | 7.70 |
| Aroclor-1260 {4} | 9.96 | 9.06 | 10.86 | 4132782 | 4423634 | 7.04 |
| Aroclor-1260 {5} | 11.02 | 10.12 | 11.92 | 1683008 | 1724098 | 2.44 |
| | | | | | Average %D | 4.39 |

**Data File:** Y7493.C **GC Column (2nd):** DB-1701P

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.79 | 3.72 | 3.86 | 640595 | 619161 | 3.35 |
| Aroclor-1016 {2} | 4.39 | 4.32 | 4.46 | 1272837 | 1226841 | 3.61 |
| Aroclor-1016 {3} | 5.14 | 5.07 | 5.21 | 2901089 | 2833531 | 2.33 |
| Aroclor-1016 {4} | 5.35 | 5.28 | 5.42 | 1246404 | 1202333 | 3.54 |
| Aroclor-1016 {5} | 5.53 | 5.45 | 5.59 | 971379 | 936988 | 3.54 |
| Aroclor-1260 | 7.89 | 6.99 | 8.79 | 1075405 | 1061695 | 1.27 |
| Aroclor-1260 {2} | 8.14 | 7.24 | 9.04 | 1584623 | 1547535 | 2.34 |
| Aroclor-1260 {3} | 9.73 | 8.83 | 10.63 | 1324822 | 1353476 | 2.16 |
| Aroclor-1260 {4} | 10.24 | 9.34 | 11.14 | 2885884 | 2931291 | 1.57 |
| Aroclor-1260 {5} | 10.83 | 9.93 | 11.73 | 2032527 | 2079954 | 2.33 |
| | | | | | Average %D | 2.60 |

# AROCLOR CALIBRATION VERIFICATION SUMMARY

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

**Data File:** Y7546.D **GC Column (1st):** DB-5

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.28 | 3.21 | 3.35 | 1642902 | 1798406 | 9.47 |
| Aroclor-1016 {2} | 4.11 | 4.04 | 4.18 | 2274432 | 2396829 | 5.38 |
| Aroclor-1016 {3} | 4.66 | 4.59 | 4.73 | 3100344 | 3380106 | 9.02 |
| Aroclor-1016 {4} | 5.17 | 5.10 | 5.24 | 1496150 | 1621921 | 8.41 |
| Aroclor-1016 {5} | 5.56 | 5.49 | 5.63 | 2485801 | 2721491 | 9.48 |
| Aroclor-1260 | 8.33 | 7.43 | 9.23 | 7263492 | 7945959 | 9.40 |
| Aroclor-1260 {2} | 9.00 | 8.11 | 9.91 | 3168969 | 3116657 | 1.65 |
| Aroclor-1260 {3} | 9.48 | 8.58 | 10.38 | 8252774 | 9078540 | 10.01 |
| Aroclor-1260 {4} | 9.96 | 9.06 | 10.86 | 4132782 | 4521578 | 9.41 |
| Aroclor-1260 {5} | 11.01 | 10.12 | 11.92 | 1683008 | 1652682 | 1.80 |
| | | | | | Average %D | 7.40 |

**Data File:** Y7546.C **GC Column (2nd):** DB-1701P

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.79 | 3.72 | 3.86 | 640595 | 660661 | 3.13 |
| Aroclor-1016 {2} | 4.39 | 4.32 | 4.46 | 1272837 | 1305963 | 2.60 |
| Aroclor-1016 {3} | 5.14 | 5.07 | 5.21 | 2901089 | 3031773 | 4.50 |
| Aroclor-1016 {4} | 5.35 | 5.28 | 5.42 | 1246404 | 1263588 | 1.38 |
| Aroclor-1016 {5} | 5.52 | 5.45 | 5.59 | 971379 | 1001704 | 3.12 |
| Aroclor-1260 | 7.88 | 6.99 | 8.79 | 1075405 | 1128668 | 4.95 |
| Aroclor-1260 {2} | 8.14 | 7.24 | 9.04 | 1584623 | 1648907 | 4.06 |
| Aroclor-1260 {3} | 9.73 | 8.83 | 10.63 | 1324822 | 1440887 | 8.76 |
| Aroclor-1260 {4} | 10.23 | 9.34 | 11.14 | 2885884 | 3149539 | 9.14 |
| Aroclor-1260 {5} | 10.82 | 9.93 | 11.73 | 2032527 | 2318175 | 14.05 |
| | | | | | Average %D | 5.57 |

# AROCLOR CALIBRATION VERIFICATION SUMMARY

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

**Data File:** Y7554.D **GC Column (1st):** DB-5

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.28 | 3.21 | 3.35 | 1642902 | 1782197 | 8.48 |
| Aroclor-1016 {2} | 4.11 | 4.04 | 4.18 | 2274432 | 2455855 | 7.98 |
| Aroclor-1016 {3} | 4.66 | 4.59 | 4.73 | 3100344 | 3365539 | 8.55 |
| Aroclor-1016 {4} | 5.17 | 5.10 | 5.24 | 1496150 | 1606888 | 7.40 |
| Aroclor-1016 {5} | 5.56 | 5.49 | 5.63 | 2485801 | 2694526 | 8.40 |
| Aroclor-1260 | 8.33 | 7.43 | 9.23 | 7263492 | 8071183 | 11.12 |
| Aroclor-1260 {2} | 9.00 | 8.11 | 9.91 | 3168969 | 3461234 | 9.22 |
| Aroclor-1260 {3} | 9.48 | 8.58 | 10.38 | 8252774 | 9125517 | 10.58 |
| Aroclor-1260 {4} | 9.96 | 9.06 | 10.86 | 4132782 | 4385273 | 6.11 |
| Aroclor-1260 {5} | 11.02 | 10.12 | 11.92 | 1683008 | 1828215 | 8.63 |
| | | | | | Average %D | 8.65 |

**Data File:** Y7554.C **GC Column (2nd):** DB-1701P

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.79 | 3.72 | 3.86 | 640595 | 658190 | 2.75 |
| Aroclor-1016 {2} | 4.39 | 4.32 | 4.46 | 1272837 | 1302766 | 2.35 |
| Aroclor-1016 {3} | 5.14 | 5.07 | 5.21 | 2901089 | 3019722 | 4.09 |
| Aroclor-1016 {4} | 5.35 | 5.28 | 5.42 | 1246404 | 1281875 | 2.85 |
| Aroclor-1016 {5} | 5.52 | 5.45 | 5.59 | 971379 | 1000589 | 3.01 |
| Aroclor-1260 | 7.88 | 6.99 | 8.79 | 1075405 | 1136638 | 5.69 |
| Aroclor-1260 {2} | 8.14 | 7.24 | 9.04 | 1584623 | 1663032 | 4.95 |
| Aroclor-1260 {3} | 9.73 | 8.83 | 10.63 | 1324822 | 1460327 | 10.23 |
| Aroclor-1260 {4} | 10.23 | 9.34 | 11.14 | 2885884 | 3178183 | 10.13 |
| Aroclor-1260 {5} | 10.82 | 9.93 | 11.73 | 2032527 | 2326822 | 14.48 |
| | | | | | Average %D | 6.05 |

# AROCLOR CALIBRATION VERIFICATION SUMMARY

**Date/Time Analyzed:** 07/30/2012 **Instrument ID:** GC-Y

**Data File:** Y7641.D **GC Column (1st):** DB-5

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.28 | 3.21 | 3.35 | 1642902 | 1884780 | 14.72 |
| Aroclor-1016 {2} | 4.11 | 4.04 | 4.18 | 2274432 | 2455523 | 7.96 |
| Aroclor-1016 {3} | 4.66 | 4.59 | 4.73 | 3100344 | 3458132 | 11.54 |
| Aroclor-1016 {4} | 5.16 | 5.10 | 5.24 | 1496150 | 1713799 | 14.55 |
| Aroclor-1016 {5} | 5.56 | 5.49 | 5.63 | 2485801 | 2729613 | 9.81 |
| Aroclor-1260 | 8.33 | 7.43 | 9.23 | 7263492 | 7396903 | 1.84 |
| Aroclor-1260 {2} | 9.00 | 8.11 | 9.91 | 3168969 | 2790596 | 11.94 |
| Aroclor-1260 {3} | 9.48 | 8.58 | 10.38 | 8252774 | 7528848 | 8.77 |
| Aroclor-1260 {4} | 9.96 | 9.06 | 10.86 | 4132782 | 3726747 | 9.82 |
| Aroclor-1260 {5} | 11.01 | 10.12 | 11.92 | 1683008 | 1795311 | 6.67 |
| | | | | | Average %D | 9.76 |

**Data File:** Y7641.C **GC Column (2nd):** DB-1701P

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.80 | 3.72 | 3.86 | 640595 | 629216 | 1.78 |
| Aroclor-1016 {2} | 4.40 | 4.32 | 4.46 | 1272837 | 1223750 | 3.86 |
| Aroclor-1016 {3} | 5.15 | 5.07 | 5.21 | 2901089 | 2823001 | 2.69 |
| Aroclor-1016 {4} | 5.36 | 5.28 | 5.42 | 1246404 | 1155846 | 7.27 |
| Aroclor-1016 {5} | 5.54 | 5.45 | 5.59 | 971379 | 919109 | 5.38 |
| Aroclor-1260 | 7.90 | 6.99 | 8.79 | 1075405 | 1026435 | 4.55 |
| Aroclor-1260 {2} | 8.15 | 7.24 | 9.04 | 1584623 | 1453294 | 8.29 |
| Aroclor-1260 {3} | 9.74 | 8.83 | 10.63 | 1324822 | 1212480 | 8.48 |
| Aroclor-1260 {4} | 10.24 | 9.34 | 11.14 | 2885884 | 2509518 | 13.04 |
| Aroclor-1260 {5} | 10.83 | 9.93 | 11.73 | 2032527 | 1805731 | 11.16 |
| | | | | | Average %D | 6.65 |

# AROCLOR CALIBRATION VERIFICATION SUMMARY

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

**Data File:** Y7666.D **GC Column (1st):** DB-5

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.28 | 3.21 | 3.35 | 1642902 | 1780351 | 8.37 |
| Aroclor-1016 {2} | 4.11 | 4.04 | 4.18 | 2274432 | 2336178 | 2.71 |
| Aroclor-1016 {3} | 4.67 | 4.59 | 4.73 | 3100344 | 3336034 | 7.60 |
| Aroclor-1016 {4} | 5.17 | 5.10 | 5.24 | 1496150 | 1619055 | 8.21 |
| Aroclor-1016 {5} | 5.56 | 5.49 | 5.63 | 2485801 | 2666420 | 7.27 |
| Aroclor-1260 | 8.34 | 7.43 | 9.23 | 7263492 | 7391187 | 1.76 |
| Aroclor-1260 {2} | 9.01 | 8.11 | 9.91 | 3168969 | 2897804 | 8.56 |
| Aroclor-1260 {3} | 9.48 | 8.58 | 10.38 | 8252774 | 7925225 | 3.97 |
| Aroclor-1260 {4} | 9.96 | 9.06 | 10.86 | 4132782 | 3874357 | 6.25 |
| Aroclor-1260 {5} | 11.02 | 10.12 | 11.92 | 1683008 | 1483060 | 11.88 |
| | | | | | Average %D | 6.66 |

**Data File:** Y7666.C **GC Column (2nd):** DB-1701P

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.79 | 3.72 | 3.86 | 640595 | 617845 | 3.55 |
| Aroclor-1016 {2} | 4.39 | 4.32 | 4.46 | 1272837 | 1246364 | 2.08 |
| Aroclor-1016 {3} | 5.14 | 5.07 | 5.21 | 2901089 | 2894829 | 0.22 |
| Aroclor-1016 {4} | 5.35 | 5.28 | 5.42 | 1246404 | 1194266 | 4.18 |
| Aroclor-1016 {5} | 5.52 | 5.45 | 5.59 | 971379 | 945703 | 2.64 |
| Aroclor-1260 | 7.89 | 6.99 | 8.79 | 1075405 | 1058516 | 1.57 |
| Aroclor-1260 {2} | 8.14 | 7.24 | 9.04 | 1584623 | 1540818 | 2.76 |
| Aroclor-1260 {3} | 9.73 | 8.83 | 10.63 | 1324822 | 1322020 | 0.21 |
| Aroclor-1260 {4} | 10.23 | 9.34 | 11.14 | 2885884 | 2924510 | 1.34 |
| Aroclor-1260 {5} | 10.82 | 9.93 | 11.73 | 2032527 | 2161865 | 6.36 |
| | | | | | Average %D | 2.49 |

# AROCLOR CALIBRATION VERIFICATION SUMMARY

**Date/Time Analyzed:** 08/01/2012 **Instrument ID:** GC-Y

**Data File:** Y7757.D **GC Column (1st):** DB-5

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.28 | 3.21 | 3.35 | 1642902 | 1921776 | 16.97 |
| Aroclor-1016 {2} | 4.11 | 4.04 | 4.18 | 2274432 | 2500486 | 9.94 |
| Aroclor-1016 {3} | 4.66 | 4.59 | 4.73 | 3100344 | 3555852 | 14.69 |
| Aroclor-1016 {4} | 5.16 | 5.10 | 5.24 | 1496150 | 1614909 | 7.94 |
| Aroclor-1016 {5} | 5.56 | 5.49 | 5.63 | 2485801 | 2809609 | 13.03 |
| Aroclor-1260 | 8.34 | 7.43 | 9.23 | 7263492 | 7669509 | 5.59 |
| Aroclor-1260 {2} | 9.00 | 8.11 | 9.91 | 3168969 | 2957921 | 6.66 |
| Aroclor-1260 {3} | 9.48 | 8.58 | 10.38 | 8252774 | 7878676 | 4.53 |
| Aroclor-1260 {4} | 9.96 | 9.06 | 10.86 | 4132782 | 3765038 | 8.90 |
| Aroclor-1260 {5} | 11.02 | 10.12 | 11.92 | 1683008 | 1698285 | 0.91 |
| | | | | | Average %D | 8.92 |

**Data File:** Y7757.C **GC Column (2nd):** DB-1701P

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.80 | 3.72 | 3.86 | 640595 | 637556 | 0.47 |
| Aroclor-1016 {2} | 4.40 | 4.32 | 4.46 | 1272837 | 1244376 | 2.24 |
| Aroclor-1016 {3} | 5.15 | 5.07 | 5.21 | 2901089 | 2880101 | 0.72 |
| Aroclor-1016 {4} | 5.36 | 5.28 | 5.42 | 1246404 | 1189217 | 4.59 |
| Aroclor-1016 {5} | 5.54 | 5.45 | 5.59 | 971379 | 943154 | 2.91 |
| Aroclor-1260 | 7.90 | 6.99 | 8.79 | 1075405 | 1065817 | 0.89 |
| Aroclor-1260 {2} | 8.15 | 7.24 | 9.04 | 1584623 | 1502593 | 5.18 |
| Aroclor-1260 {3} | 9.74 | 8.83 | 10.63 | 1324822 | 1228674 | 7.26 |
| Aroclor-1260 {4} | 10.24 | 9.34 | 11.14 | 2885884 | 2493199 | 13.61 |
| Aroclor-1260 {5} | 10.83 | 9.93 | 11.73 | 2032527 | 1703109 | 16.21 |
| | | | | | Average %D | 5.41 |

# AROCLOR CALIBRATION VERIFICATION SUMMARY

**Date/Time Analyzed:** 08/02/2012 **Instrument ID:** GC-Y

**Data File:** Y7776.D **GC Column (1st):** DB-5

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.29 | 3.21 | 3.35 | 1642902 | 1862773 | 13.38 |
| Aroclor-1016 {2} | 4.11 | 4.04 | 4.18 | 2274432 | 2466740 | 8.46 |
| Aroclor-1016 {3} | 4.67 | 4.59 | 4.73 | 3100344 | 3431534 | 10.68 |
| Aroclor-1016 {4} | 5.17 | 5.10 | 5.24 | 1496150 | 1650857 | 10.34 |
| Aroclor-1016 {5} | 5.56 | 5.49 | 5.63 | 2485801 | 2699198 | 8.58 |
| Aroclor-1260 | 8.34 | 7.43 | 9.23 | 7263492 | 7118960 | 1.99 |
| Aroclor-1260 {2} | 9.01 | 8.11 | 9.91 | 3168969 | 2926919 | 7.64 |
| Aroclor-1260 {3} | 9.48 | 8.58 | 10.38 | 8252774 | 7514019 | 8.95 |
| Aroclor-1260 {4} | 9.96 | 9.06 | 10.86 | 4132782 | 3618945 | 12.43 |
| Aroclor-1260 {5} | 11.02 | 10.12 | 11.92 | 1683008 | 1418057 | 15.74 |
| | | | | | Average %D | 9.82 |

**Data File:** Y7776.C **GC Column (2nd):** DB-1701P

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.79 | 3.72 | 3.86 | 640595 | 655266 | 2.29 |
| Aroclor-1016 {2} | 4.39 | 4.32 | 4.46 | 1272837 | 1300759 | 2.19 |
| Aroclor-1016 {3} | 5.14 | 5.07 | 5.21 | 2901089 | 2993246 | 3.18 |
| Aroclor-1016 {4} | 5.35 | 5.28 | 5.42 | 1246404 | 1252653 | 0.50 |
| Aroclor-1016 {5} | 5.52 | 5.45 | 5.59 | 971379 | 981151 | 1.01 |
| Aroclor-1260 | 7.88 | 6.99 | 8.79 | 1075405 | 1090019 | 1.36 |
| Aroclor-1260 {2} | 8.14 | 7.24 | 9.04 | 1584623 | 1556537 | 1.77 |
| Aroclor-1260 {3} | 9.73 | 8.83 | 10.63 | 1324822 | 1297371 | 2.07 |
| Aroclor-1260 {4} | 10.23 | 9.34 | 11.14 | 2885884 | 2724170 | 5.60 |
| Aroclor-1260 {5} | 10.82 | 9.93 | 11.73 | 2032527 | 1913610 | 5.85 |
| | | | | | Average %D | 2.58 |

# AROCLOR CALIBRATION VERIFICATION SUMMARY

**Date/Time Analyzed:** 08/02/2012 **Instrument ID:** GC-Y

**Data File:** Y7815.D **GC Column (1st):** DB-5

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.28 | 3.21 | 3.35 | 1642902 | 1753493 | 6.73 |
| Aroclor-1016 {2} | 4.11 | 4.04 | 4.18 | 2274432 | 2353168 | 3.46 |
| Aroclor-1016 {3} | 4.67 | 4.59 | 4.73 | 3100344 | 3251837 | 4.89 |
| Aroclor-1016 {4} | 5.17 | 5.10 | 5.24 | 1496150 | 1564014 | 4.54 |
| Aroclor-1016 {5} | 5.56 | 5.49 | 5.63 | 2485801 | 2544779 | 2.37 |
| Aroclor-1260 | 8.34 | 7.43 | 9.23 | 7263492 | 6375880 | 12.22 |
| Aroclor-1260 {2} | 9.01 | 8.11 | 9.91 | 3168969 | 2668626 | 15.79 |
| Aroclor-1260 {3} | 9.48 | 8.58 | 10.38 | 8252774 | 7063579 | 14.41 |
| Aroclor-1260 {4} | 9.96 | 9.06 | 10.86 | 4132782 | 3630598 | 12.15 |
| Aroclor-1260 {5} | 11.02 | 10.12 | 11.92 | 1683008 | 1594487 | 5.26 |
| | | | | | Average %D | 8.18 |

**Data File:** Y7815.C **GC Column (2nd):** DB-1701P

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.79 | 3.72 | 3.86 | 640595 | 614213 | 4.12 |
| Aroclor-1016 {2} | 4.39 | 4.32 | 4.46 | 1272837 | 1217069 | 4.38 |
| Aroclor-1016 {3} | 5.14 | 5.07 | 5.21 | 2901089 | 2800538 | 3.47 |
| Aroclor-1016 {4} | 5.35 | 5.28 | 5.42 | 1246404 | 1167907 | 6.30 |
| Aroclor-1016 {5} | 5.52 | 5.45 | 5.59 | 971379 | 914643 | 5.84 |
| Aroclor-1260 | 7.88 | 6.99 | 8.79 | 1075405 | 980627 | 8.81 |
| Aroclor-1260 {2} | 8.14 | 7.24 | 9.04 | 1584623 | 1415367 | 10.68 |
| Aroclor-1260 {3} | 9.73 | 8.83 | 10.63 | 1324822 | 1169996 | 11.69 |
| Aroclor-1260 {4} | 10.23 | 9.34 | 11.14 | 2885884 | 2529785 | 12.34 |
| Aroclor-1260 {5} | 10.82 | 9.93 | 11.73 | 2032527 | 1907313 | 6.16 |
| | | | | | Average %D | 7.38 |

# AROCLOR CALIBRATION VERIFICATION SUMMARY

**Date/Time Analyzed:** 08/02/2012 **Instrument ID:** GC-Y

**Data File:** Y7818.D **GC Column (1st):** DB-5

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.29 | 3.21 | 3.35 | 1642902 | 1935711 | 17.82 |
| Aroclor-1016 {2} | 4.11 | 4.04 | 4.18 | 2274432 | 2567610 | 12.89 |
| Aroclor-1016 {3} | 4.67 | 4.59 | 4.73 | 3100344 | 3582160 | 15.54 |
| Aroclor-1016 {4} | 5.17 | 5.10 | 5.24 | 1496150 | 1729488 | 15.60 |
| Aroclor-1016 {5} | 5.56 | 5.49 | 5.63 | 2485801 | 2799528 | 12.62 |
| Aroclor-1260 | 8.34 | 7.43 | 9.23 | 7263492 | 6951609 | 4.29 |
| Aroclor-1260 {2} | 9.01 | 8.11 | 9.91 | 3168969 | 2828564 | 10.74 |
| Aroclor-1260 {3} | 9.48 | 8.58 | 10.38 | 8252774 | 7011236 | 15.04 |
| Aroclor-1260 {4} | 9.96 | 9.06 | 10.86 | 4132782 | 3655652 | 11.55 |
| Aroclor-1260 {5} | 11.02 | 10.12 | 11.92 | 1683008 | 1883836 | 11.93 |
| | | | | | Average %D | 12.80 |

**Data File:** Y7818.C **GC Column (2nd):** DB-1701P

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.79 | 3.72 | 3.86 | 640595 | 668102 | 4.29 |
| Aroclor-1016 {2} | 4.39 | 4.32 | 4.46 | 1272837 | 1323556 | 3.98 |
| Aroclor-1016 {3} | 5.14 | 5.07 | 5.21 | 2901089 | 3043528 | 4.91 |
| Aroclor-1016 {4} | 5.35 | 5.28 | 5.42 | 1246404 | 1267257 | 1.67 |
| Aroclor-1016 {5} | 5.53 | 5.45 | 5.59 | 971379 | 994111 | 2.34 |
| Aroclor-1260 | 7.89 | 6.99 | 8.79 | 1075405 | 1079753 | 0.40 |
| Aroclor-1260 {2} | 8.14 | 7.24 | 9.04 | 1584623 | 1532268 | 3.30 |
| Aroclor-1260 {3} | 9.73 | 8.83 | 10.63 | 1324822 | 1292073 | 2.47 |
| Aroclor-1260 {4} | 10.23 | 9.34 | 11.14 | 2885884 | 2687680 | 6.87 |
| Aroclor-1260 {5} | 10.82 | 9.93 | 11.73 | 2032527 | 1962007 | 3.47 |
| | | | | | Average %D | 3.37 |

# PCB CALIBRATION VERIFICATION SUMMARY

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

**Data File:** R2216.D **GC Column (1st):** DB-5

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.98 | 3.90 | 4.04 | 3591475 | 3389188 | 5.63 |
| Aroclor-1016 {2} | 4.87 | 4.80 | 4.94 | 4693158 | 4166825 | 11.21 |
| Aroclor-1016 {3} | 5.46 | 5.38 | 5.52 | 6224939 | 6020812 | 3.28 |
| Aroclor-1016 {4} | 5.99 | 5.91 | 6.05 | 2934952 | 2811772 | 4.20 |
| Aroclor-1016 {5} | 6.40 | 6.33 | 6.47 | 5285406 | 4957164 | 6.21 |
| Aroclor-1260 | 9.25 | 8.34 | 10.14 | 22263188 | 20058636 | 9.90 |
| Aroclor-1260 {2} | 9.94 | 9.03 | 10.83 | 9895838 | 8106732 | 18.08 |
| Aroclor-1260 {3} | 10.42 | 9.51 | 11.31 | 32703483 | 29192938 | 10.73 |
| Aroclor-1260 {4} | 10.91 | 10.00 | 11.80 | 14224682 | 11922592 | 16.18 |
| Aroclor-1260 {5} | 11.98 | 11.07 | 12.87 | 6614099 | 5854962 | 11.48 |
| | | | | | Average %D | 9.69 |

**Data File:** R2216.C **GC Column (2nd):** DB-1701P

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 4.31 | 4.25 | 4.39 | 2361432 | 2497377 | 5.76 |
| Aroclor-1016 {2} | 4.94 | 4.87 | 5.01 | 4306617 | 4494228 | 4.36 |
| Aroclor-1016 {3} | 5.71 | 5.65 | 5.79 | 9717017 | 10186553 | 4.83 |
| Aroclor-1016 {4} | 5.92 | 5.86 | 6.00 | 4072886 | 4423299 | 8.60 |
| Aroclor-1016 {5} | 6.10 | 6.04 | 6.18 | 3077315 | 3313885 | 7.69 |
| Aroclor-1260 | 8.76 | 7.88 | 9.68 | 4855078 | 5415378 | 11.54 |
| Aroclor-1260 {2} | 9.17 | 8.28 | 10.08 | 5618538 | 6269753 | 11.59 |
| Aroclor-1260 {3} | 10.38 | 9.49 | 11.29 | 4222057 | 4672396 | 10.67 |
| Aroclor-1260 {4} | 10.89 | 10.00 | 11.80 | 8846337 | 9882846 | 11.72 |
| Aroclor-1260 {5} | 11.49 | 10.60 | 12.40 | 6482137 | 7438144 | 14.75 |
| | | | | | Average %D | 9.15 |

# PCB CALIBRATION VERIFICATION SUMMARY

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

**Data File:** R2241.D **GC Column (1st):** DB-5

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 3.98 | 3.90 | 4.04 | 3591475 | 3356094 | 6.55 |
| Aroclor-1016 {2} | 4.87 | 4.80 | 4.94 | 4693158 | 3985697 | 15.07 |
| Aroclor-1016 {3} | 5.46 | 5.38 | 5.52 | 6224939 | 6090178 | 2.16 |
| Aroclor-1016 {4} | 5.99 | 5.91 | 6.05 | 2934952 | 2933607 | 0.05 |
| Aroclor-1016 {5} | 6.40 | 6.33 | 6.47 | 5285406 | 5291182 | 0.11 |
| Aroclor-1260 | 9.25 | 8.34 | 10.14 | 22263188 | 20698610 | 7.03 |
| Aroclor-1260 {2} | 9.94 | 9.03 | 10.83 | 9895838 | 8366299 | 15.46 |
| Aroclor-1260 {3} | 10.42 | 9.51 | 11.31 | 32703483 | 29566401 | 9.59 |
| Aroclor-1260 {4} | 10.91 | 10.00 | 11.80 | 14224682 | 11590659 | 18.52 |
| Aroclor-1260 {5} | 11.98 | 11.07 | 12.87 | 6614099 | 6062367 | 8.34 |
| | | | | | Average %D | 8.29 |

**Data File:** R2241.C **GC Column (2nd):** DB-1701P

| Compound | RT | RT WI NDOW FROM | TO | Avg CF | CC CF | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 4.31 | 4.25 | 4.39 | 2361432 | 2623001 | 11.08 |
| Aroclor-1016 {2} | 4.94 | 4.87 | 5.01 | 4306617 | 4156633 | 3.48 |
| Aroclor-1016 {3} | 5.70 | 5.65 | 5.79 | 9717017 | 10296574 | 5.96 |
| Aroclor-1016 {4} | 5.92 | 5.86 | 6.00 | 4072886 | 4477148 | 9.93 |
| Aroclor-1016 {5} | 6.10 | 6.04 | 6.18 | 3077315 | 2955913 | 3.95 |
| Aroclor-1260 | 8.76 | 7.88 | 9.68 | 4855078 | 5367154 | 10.55 |
| Aroclor-1260 {2} | 9.17 | 8.28 | 10.08 | 5618538 | 6238756 | 11.04 |
| Aroclor-1260 {3} | 10.37 | 9.49 | 11.29 | 4222057 | 3834814 | 9.17 |
| Aroclor-1260 {4} | 10.88 | 10.00 | 11.80 | 8846337 | 10146546 | 14.70 |
| Aroclor-1260 {5} | 11.48 | 10.60 | 12.40 | 6482137 | 7594396 | 17.16 |
| | | | | | Average %D | 9.70 |

# PCB RETENTION TIME SHIFT SUMMARY

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

Surrogate RT from initial calibration :

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

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

Surrogate QC Limits

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

**DCB = Decachlorobiphenyl** ( ± 0.10 Minutes )

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

# PCB RETENTION TIME SHIFT SUMMARY

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

Surrogate RT from initial calibration :

**TCMX 1** 2.82 **DCB 1** 12.11 **TCMX 2** 2.91 **DCB 2** 12.51

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

Surrogate QC Limits

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

**DCB = Decachlorobiphenyl** ( ± 0.10 Minutes )

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

# PCB RETENTION TIME SHIFT SUMMARY

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

Surrogate RT from initial calibration :

**TCMX 1** **2.82** **DCB 1** **12.11** **TCMX 2** **2.91** **DCB 2** **12.51**

| Client ID | Lab Sample ID | Date Analyzed | Time Analyzed | TCMX 1 RT | # | DCB 1 RT | # | TCMX 2 RT | # | DCB 2 RT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB | BLKS120724-08 | 07/26/2012 | 03:17 | 2.82 | | 12.11 | | 2.91 | | 12.51 | |
| R-43_(2.0- | 07070-055 | 07/26/2012 | 03:35 | 2.82 | | 12.11 | | 2.91 | | 12.51 | |
| R-43_(4.0- | 07070-056 | 07/26/2012 | 03:52 | 2.82 | | 12.11 | | 2.91 | | 12.51 | |
| P-4SW(1)/1 | 07296-001 | 07/26/2012 | 04:43 | 2.82 | | 12.11 | | 2.91 | | 12.51 | |
| P-4SW(N)/9 | 07296-002 | 07/26/2012 | 05:01 | 2.82 | | 12.11 | | 2.91 | | 12.51 | |
| P-4SW(S)/9 | 07296-003 | 07/26/2012 | 05:18 | 2.82 | | 12.11 | | 2.91 | | 12.51 | |
| P-4SW(E)/9 | 07296-004 | 07/26/2012 | 05:35 | 2.82 | | 12.10 | | 2.91 | | 12.51 | |
| P-4SW(W)/9 | 07296-005 | 07/26/2012 | 05:52 | 2.82 | | 12.10 | | 2.91 | | 12.51 | |
| WC-1/0-4 | 07292-001 | 07/26/2012 | 06:09 | 2.82 | | 12.11 | | 2.91 | | 12.51 | |
| WC-2/0-4 | 07292-002 | 07/26/2012 | 06:27 | 2.82 | | 12.11 | | 2.91 | | 12.51 | |
| PLA-CTW | 07350-001 | 07/26/2012 | 06:44 | 2.83 | | 12.10 | | 2.92 | | 12.53 | |
| PCB | 07292-001MS | 07/26/2012 | 07:01 | 2.82 | | 12.10 | | 2.91 | | 12.54 | |
| PCB | 07292-001MSD | 07/26/2012 | 07:18 | 2.82 | | 12.11 | | 2.91 | | 12.51 | |
| PCB | LCSS120724-08 | 07/26/2012 | 07:35 | 2.82 | | 12.10 | | 2.91 | | 12.51 | |

Surrogate QC Limits

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

**DCB = Decachlorobiphenyl** ( ± 0.10 Minutes )

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

# PCB RETENTION TIME SHIFT SUMMARY

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

Surrogate RT from initial calibration :

| TCMX 1 | 2.82 | DCB 1 | 12.10 | TCMX 2 | 2.92 | DCB 2 | 12.51 |
|---|---|---|---|---|---|---|---|

| Client ID | Lab Sample ID | Date Analyzed | Time Analyzed | TCMX 1 RT | # | DCB 1 RT | # | TCMX 2 RT | # | DCB 2 RT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB | BLKS120724-08 | 07/27/2012 | 15:52 | 2.82 | | 12.10 | | 2.92 | | 12.51 | |
| R-43_(6.0- | 07070-058 | 07/27/2012 | 16:27 | 2.82 | | 12.10 | | 2.91 | | 12.51 | |
| PCB | LCSS120724-08 | 07/27/2012 | 16:44 | 2.82 | | 12.11 | | 2.91 | | 12.51 | |
| R-43_(5.0- | 07070-057 | 07/28/2012 | 12:34 | D | | D | | D | | D | |

Surrogate QC Limits

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

**DCB = Decachlorobiphenyl** ( ± 0.10 Minutes )

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

# PCB RETENTION TIME SHIFT SUMMARY

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

Surrogate RT from initial calibration :

**TCMX 1** 2.82 **DCB 1** 12.11 **TCMX 2** 2.92 **DCB 2** 12.51

| Client ID | Lab Sample ID | Date Analyzed | Time Analyzed | TCMX 1 RT | # | DCB 1 RT | # | TCMX 2 RT | # | DCB 2 RT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB | BLKS120724-04 | 07/30/2012 | 19:16 | 2.82 | | 12.11 | | 2.92 | | 12.51 | |
| Q-40_(6.0- | 07070-035 | 07/30/2012 | 19:33 | 2.82 | | M | | 2.91 | | 12.50 | |
| Q-41_(0-2. | 07070-036 | 07/30/2012 | 19:50 | D | | D | | D | | D | |
| Q-41_(2.0- | 07070-037 | 07/30/2012 | 20:08 | 2.82 | | 12.10 | | 2.92 | | 12.50 | |
| Q-41_(6.0- | 07070-039 | 07/30/2012 | 20:42 | D | | D | | D | | D | |
| Q-41_(8.0- | 07070-040 | 07/30/2012 | 20:59 | D | | D | | D | | D | |
| Q-42_(6.0- | 07070-045 | 07/30/2012 | 22:25 | 2.82 | | 12.10 | | 2.91 | | 12.50 | |
| Q-42_(8.0- | 07070-046 | 07/30/2012 | 22:42 | 2.82 | | 12.10 | | 2.91 | | 12.50 | |
| Q-43_(0-2. | 07070-047 | 07/30/2012 | 22:59 | D | | D | | D | | D | |
| Q-44_(4.0- | 07070-053 | 07/31/2012 | 00:43 | 2.82 | | 12.10 | | 2.91 | | 12.50 | |
| R-43_(0-2. | 07070-054 | 07/31/2012 | 01:00 | 2.82 | | 12.10 | | 2.92 | | 12.50 | |
| PCB | 07070-054MS | 07/31/2012 | 01:17 | 2.82 | | 12.11 | | 2.91 | | 12.50 | |
| PCB | 07070-054MSD | 07/31/2012 | 01:34 | 2.82 | | 12.10 | | 2.91 | | 12.50 | |
| PCB | LCSS120724-04 | 07/31/2012 | 01:51 | 2.82 | | 12.11 | | 2.91 | | 12.50 | |
| Q-41_(4.0- | 07070-038 | 08/01/2012 | 19:17 | D | | D | | D | | D | |
| Q-41_(10.0 | 07070-041 | 08/01/2012 | 19:35 | 2.82 | | 12.10 | | 2.91 | | 12.50 | |
| Q-42_(0-2. | 07070-042 | 08/01/2012 | 19:52 | D | | D | | D | | D | |
| Q-42_(2.0- | 07070-043 | 08/01/2012 | 20:09 | D | | D | | D | | D | |
| Q-42_(4.0- | 07070-044 | 08/01/2012 | 20:26 | D | | D | | D | | D | |
| Q-43_(2.0- | 07070-048 | 08/01/2012 | 20:43 | 2.82 | | 12.11 | | 2.91 | | 12.50 | |
| Q-43_(6.0- | 07070-050 | 08/01/2012 | 21:18 | 2.82 | | 12.11 | | 2.91 | | 12.50 | |
| Q-44_(0-2. | 07070-051 | 08/01/2012 | 21:35 | 2.82 | | 12.11 | | 2.91 | | 12.50 | |
| Q-44_(2.0- | 07070-052 | 08/01/2012 | 21:52 | 2.82 | | 12.10 | | 2.92 | | 12.50 | |
| Q-43_(4.0- | 07070-049 | 08/02/2012 | 12:49 | D | | D | | D | | D | |

Surrogate QC Limits

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

**DCB = Decachlorobiphenyl** ( ± 0.10 Minutes )

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

# PCB RETENTION TIME SHIFT SUMMARY

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

Surrogate RT from initial calibration :

| TCMX 1 | 3.47 | DCB 1 | 13.10 | TCMX 2 | 3.40 | DCB 2 | 13.20 |
|---|---|---|---|---|---|---|---|

| Client ID | Lab Sample ID | Date Analyzed | Time Analyzed | TCMX 1 RT | # | DCB 1 RT | # | TCMX 2 RT | # | DCB 2 RT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB | BLKS120723-12 | 07/31/2012 | 15:32 | 3.47 | | 13.10 | | 3.40 | | 13.20 | |
| R-46_(2.0- | 07070-015 | 07/31/2012 | 15:49 | 3.47 | | 13.10 | | 3.39 | | 13.20 | |
| R-46_(4.0- | 07070-016 | 07/31/2012 | 16:07 | 3.47 | | 13.10 | | 3.39 | | 13.20 | |
| P-47_(0-2. | 07070-017 | 07/31/2012 | 16:24 | 3.47 | | 13.10 | | 3.39 | | 13.19 | |
| P-47_(2.0- | 07070-018 | 07/31/2012 | 16:42 | 3.47 | | 13.10 | | 3.39 | | 13.20 | |
| P-47_(4.0- | 07070-019 | 07/31/2012 | 16:59 | 3.47 | | 13.10 | | 3.39 | | 13.20 | |
| O-43_(0-2. | 07070-020 | 07/31/2012 | 17:17 | 3.47 | | 13.10 | | 3.39 | | 13.20 | |
| O-43_(2.0- | 07070-021 | 07/31/2012 | 17:34 | D | | D | | D | | D | |
| O-43_(4.0- | 07070-022 | 07/31/2012 | 17:52 | 3.47 | | 13.10 | | 3.39 | | 13.20 | |
| O-43_(6.0- | 07070-023 | 07/31/2012 | 18:09 | 3.47 | | 13.10 | | 3.39 | | 13.19 | |
| P-42_(0-2. | 07070-024 | 07/31/2012 | 18:26 | D | | D | | D | | D | |
| P-42_(2.0- | 07070-025 | 07/31/2012 | 18:44 | D | | D | | D | | D | |
| P-42_(4.0- | 07070-026 | 07/31/2012 | 19:01 | 3.47 | | 13.10 | | 3.39 | | 13.19 | |
| P-41_(0-2. | 07070-027 | 07/31/2012 | 19:19 | D | | D | | D | | D | |
| P-41_(2.0- | 07070-028 | 07/31/2012 | 19:36 | 3.48 | | 13.10 | | 3.39 | | 13.19 | |
| P-41_(4.0- | 07070-029 | 07/31/2012 | 19:54 | D | | D | | D | | D | |
| P-41_(5.0- | 07070-030 | 07/31/2012 | 20:11 | 3.48 | | 13.10 | | 3.40 | | 13.19 | |
| P-41_(6.0- | 07070-031 | 07/31/2012 | 20:29 | 3.48 | | 13.10 | | 3.40 | | 13.19 | |
| Q-40_(0-2. | 07070-032 | 07/31/2012 | 20:46 | D | | D | | D | | D | |
| Q-40_(2.0- | 07070-033 | 07/31/2012 | 21:03 | D | | D | | D | | D | |
| Q-40_(4.0- | 07070-034 | 07/31/2012 | 21:21 | 3.47 | | 13.10 | | 3.40 | | 13.19 | |
| PCB | 07070-032MS | 07/31/2012 | 21:38 | D | | D | | D | | D | |
| PCB | 07070-032MSD | 07/31/2012 | 21:56 | D | | D | | D | | D | |
| PCB | LCSS120723-12 | 07/31/2012 | 22:13 | 3.48 | | 13.10 | | 3.39 | | 13.19 | |

Surrogate QC Limits

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

**DCB = Decachlorobiphenyl** ( ± 0.10 Minutes )

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

PCB SAMPLE DATA

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7366.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 9:00
Operator : YG
Sample : T-42_(0-2.,07070-001,S,5.63g,11.7,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,10
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:27:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 2368.4E6 | 755.3E6 | 25.030 | 24.031 |
| Spiked Amount 200.000 | | | Recovery | = | 12.52% | 12.02% |
| 2) S DCB | 12.11 | 12.50 | 423.9E6 | 211.4E6 | 21.780m | 27.728m# |
| Spiked Amount 200.000 | | | Recovery | = | 10.89% | 13.86% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1248 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1248 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| 33) L8 Aroclor-1260 | 8.33 | 7.89 | 4788.6E6 | 1068.9E6 | 672.180 | 1172.905 # |
| 34) L8 Aroclor-1260 {2} | 9.00 | 8.14 | 2398.8E6 | 1089.8E6 | 714.832 | 805.156 |
| 35) L8 Aroclor-1260 {3} | 9.48 | 9.73 | 6724.2E6 | 1039.3E6 | 824.406 | 961.955 |
| 36) L8 Aroclor-1260 {4} | 9.96 | 10.24 | 2868.0E6 | 2501.1E6 | 677.905 | 1081.293 # |
| 37) L8 Aroclor-1260 {5} | 11.01 | 10.82 | 1447.3E6 | 1706.6E6 | 907.193 | 998.786 |
| Sum Aroclor-1260 | | | 18226.9E6 | 7405.6E6 | 3796.515 | 5020.095 |
| Average Aroclor-1260 | | | | | 759.303 | 1004.019 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

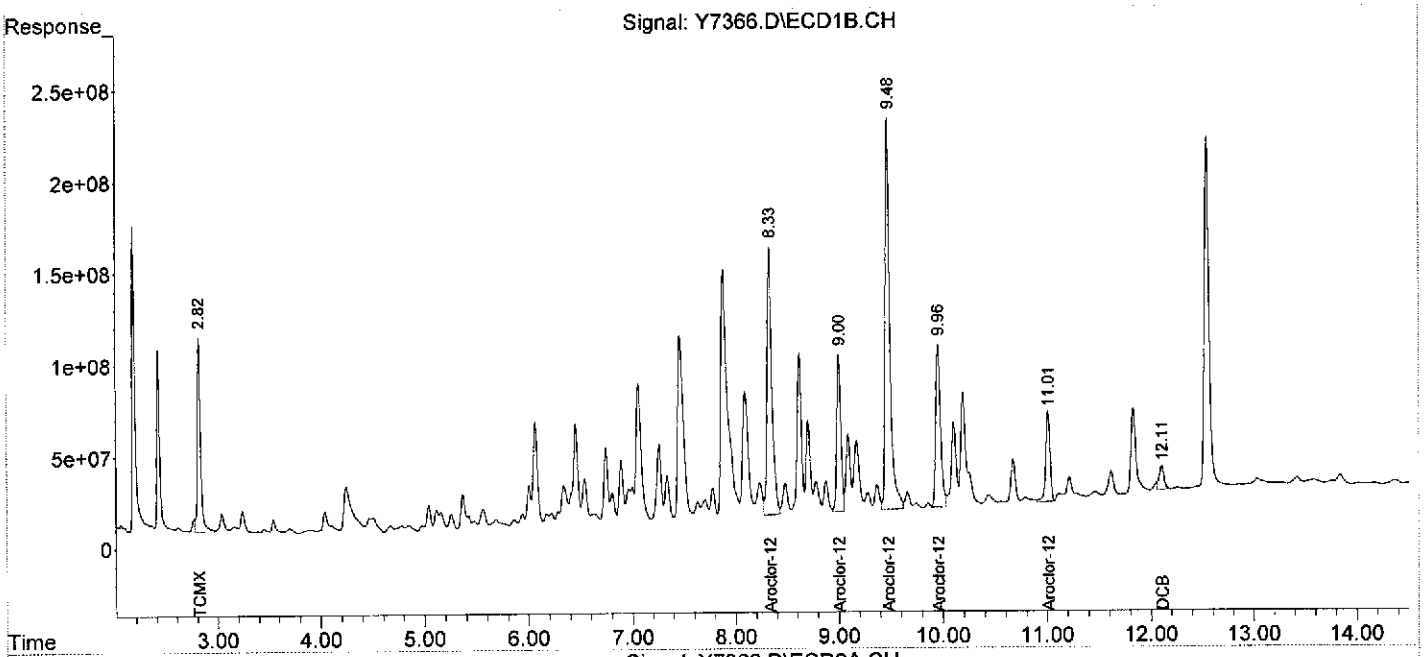
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

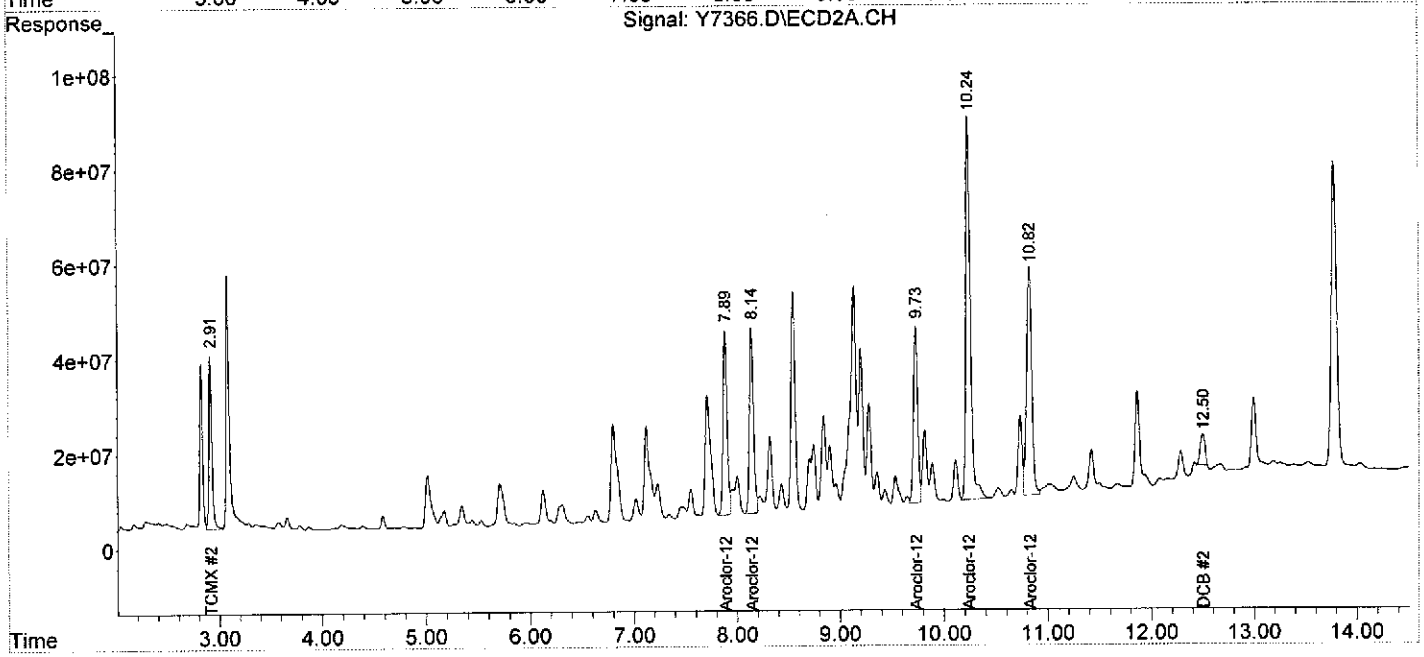
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7366.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 9:00
Operator : YG
Sample : T-42_(0-2.,07070-001,S,5.63g,11.7,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,10
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:27:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7418.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 1:00
Operator : YG
Sample : T-42_(2.0-,07070-002,S,5.18g,17.2,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,100
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:16:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1248 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1248 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| 33) L8 Aroclor-1260 | 8.33 | 7.89 | 3240.5E6 | 1460.7E6 | 454.871 | 1602.949 # |
| 34) L8 Aroclor-1260 {2} | 9.01 | 8.14 | 804.5E6 | 773.5E6 | 239.739 | 571.516 # |
| 35) L8 Aroclor-1260 {3} | 9.48 | 9.73 | 2002.7E6 | 690.6E6 | 245.534 | 639.172 # |
| 36) L8 Aroclor-1260 {4} | 9.96 | 10.24 | 900.9E6 | 1208.2E6 | 212.938 | 522.332 # |
| 37) L8 Aroclor-1260 {5} | 11.01 | 10.83 | 508.4E6 | 948.2E6 | 318.640m | 554.919 # |
| Sum Aroclor-1260 | | | 7456.9E6 | 5081.2E6 | 1471.722 | 3890.888 |
| Average Aroclor-1260 | | | | | 294.344 | 778.178 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

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

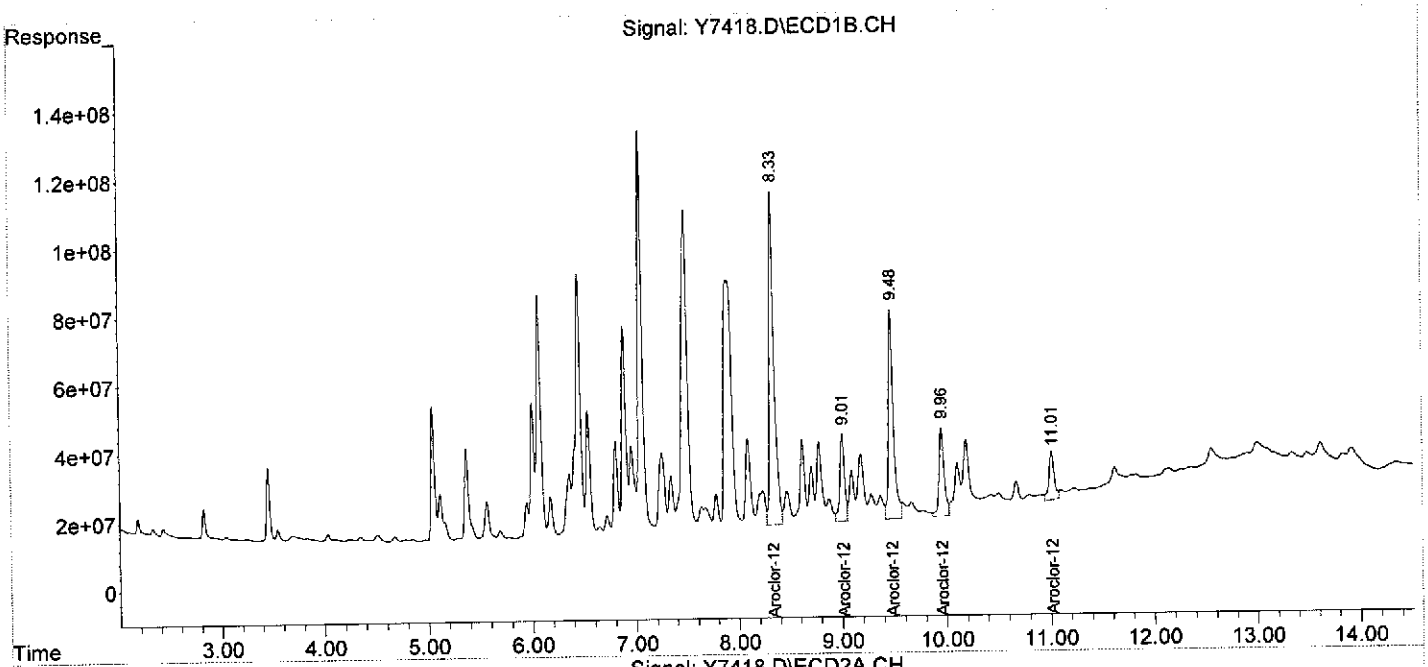
Quantitation Report (QT Reviewed)

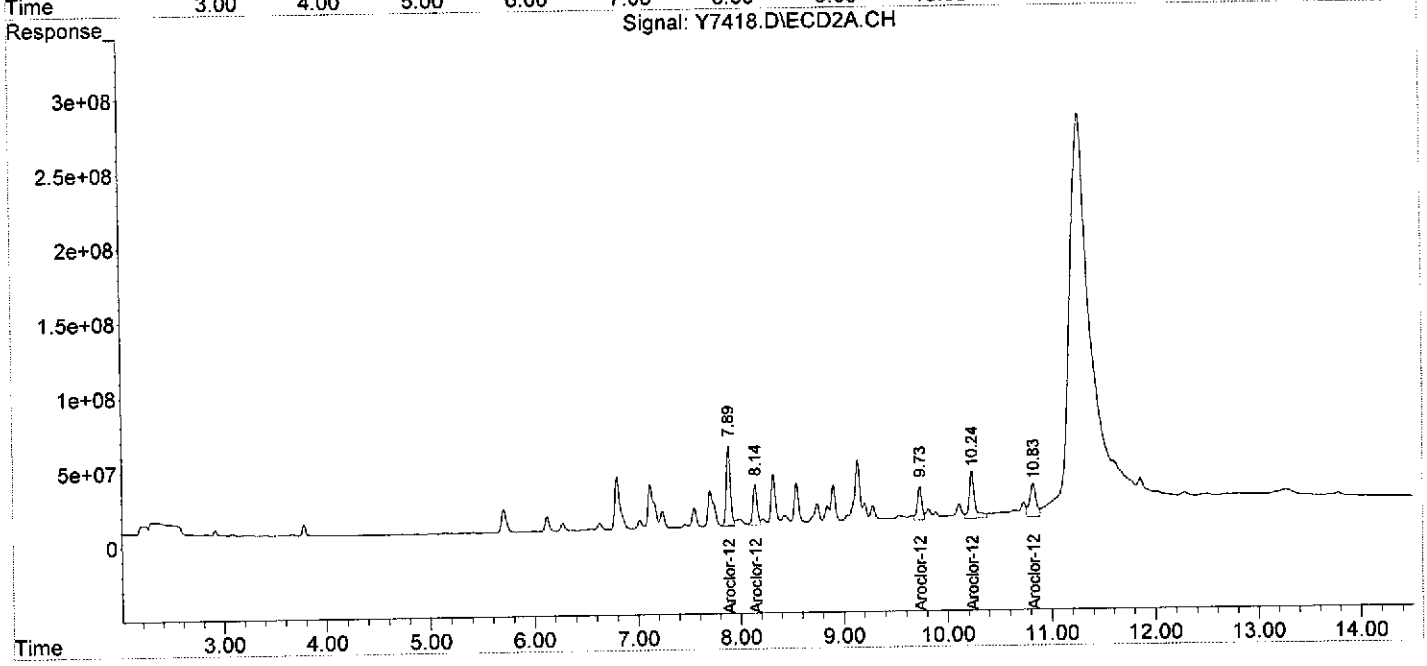
Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7418.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 1:00
Operator : YG
Sample : T-42_(2.0-,07070-002,S,5.18g,17.2,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,100
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:16:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Signal #2 Phase:
Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7368.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 9:35
Operator : YG
Sample : T-42_(3.0-,07070-003,S,5.81g,17.0,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:06:07 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 18221.8E6 | 6959.3E6 | 192.572 | 221.416 |
| Spiked Amount 200.000 | | | Recovery | = | 96.29% | 110.71% |
| 2) S DCB | 12.10 | 12.51 | 4027.1E6 | 1502.4E6 | 206.927m | 197.104m |
| Spiked Amount 200.000 | | | Recovery | = | 103.46% | 98.55% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1248 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1248 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| 33) L8 Aroclor-1260 | 8.33 | 7.89 | 5679.7E6 | 1745.6E6 | 797.257 | 1915.571 # |
| 34) L8 Aroclor-1260 {2} | 9.00 | 8.14 | 1875.8E6 | 1078.3E6 | 558.962 | 796.703 # |
| 35) L8 Aroclor-1260 {3} | 9.48 | 9.73 | 5199.4E6 | 939.4E6 | 637.463 | 869.501 # |
| 36) L8 Aroclor-1260 {4} | 9.96 | 10.24 | 2132.0E6 | 1591.9E6 | 503.939 | 688.220 # |
| 37) L8 Aroclor-1260 {5} | 11.01 | 10.83 | 1058.3E6 | 1319.4E6 | 663.322 | 772.201 |
| Sum Aroclor-1260 | | | 15945.1E6 | 6674.7E6 | 3160.944 | 5042.196 |
| Average Aroclor-1260 | | | | | 632.189 | 1008.439 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

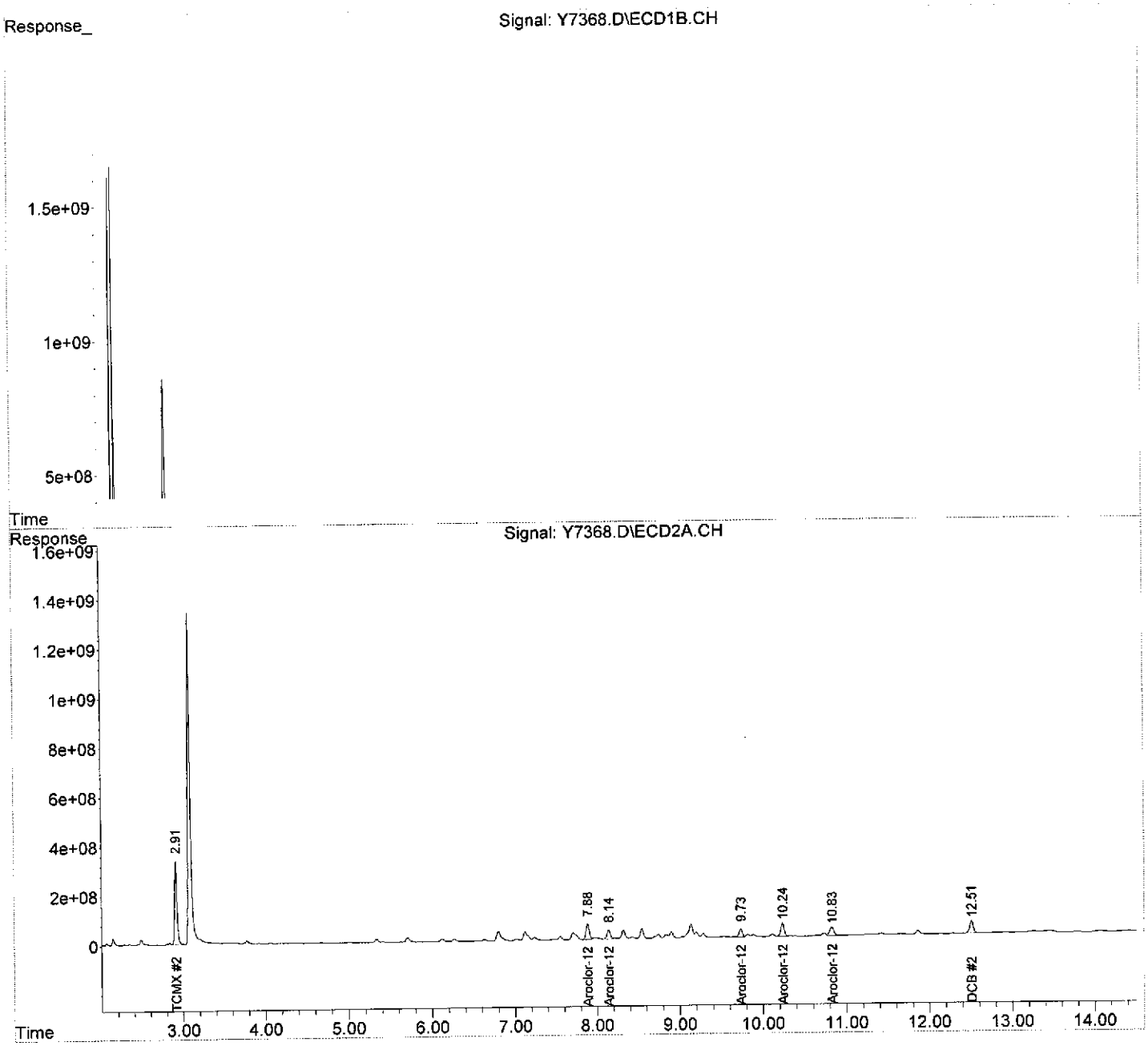
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

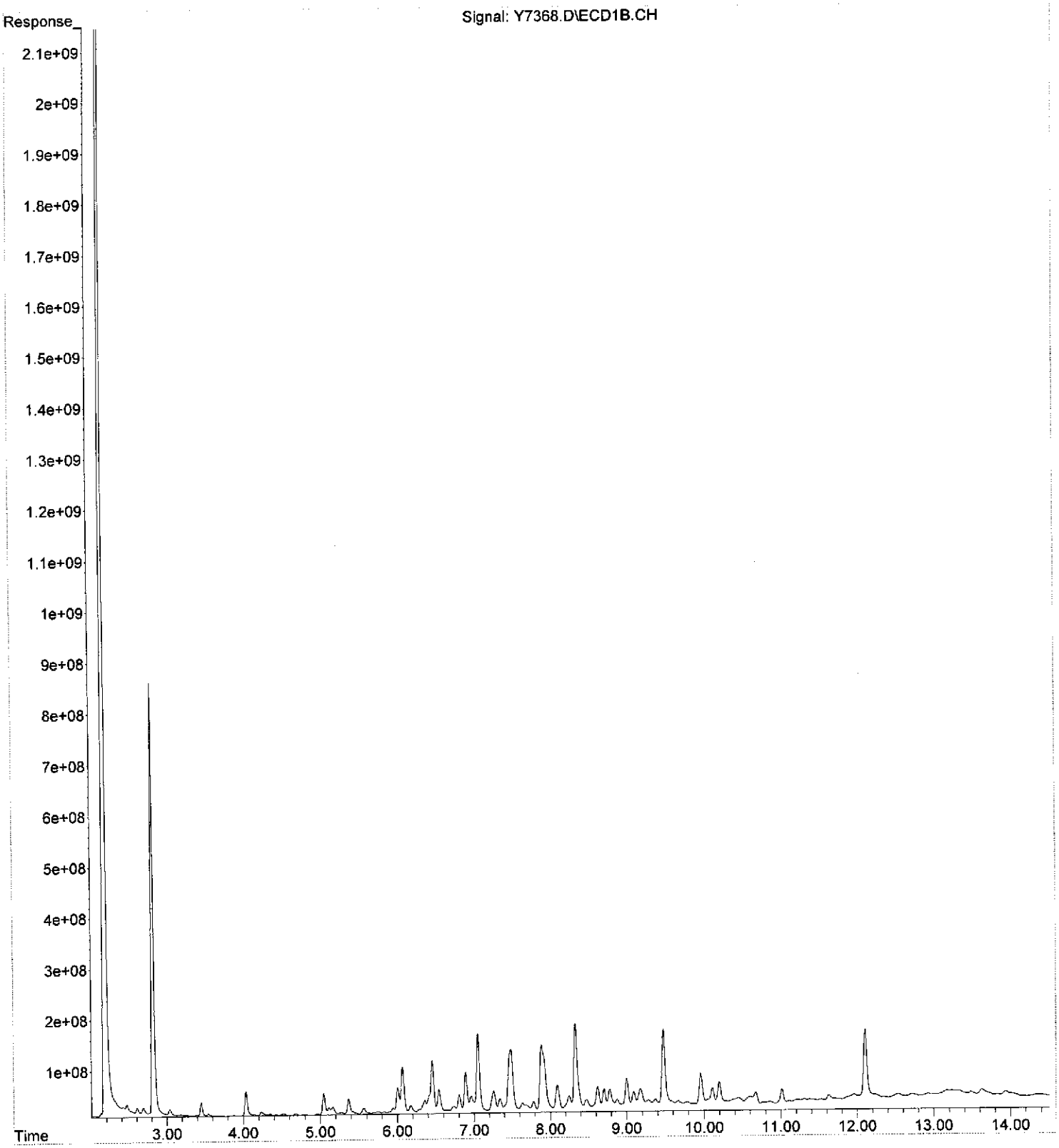
Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7368.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 9:35
Operator : YG
Sample : T-42_(3.0-,07070-003,S,5.81g,17.0,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:06:07 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



File :C:\MSDChem\1\DATA\07-24-12\Y7368.D
Operator : YG
Acquired : 25 Jul 2012 9:35 using AcqMethod YPCB0626.M
Instrument : GC_Y
Sample Name: T-42_(3.0-,07070-003,S,5.81g,17.0,07/23/12,4
Misc Info : 120723-11,07/16/12,07/16/12,1
Vial Number: 26



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7369.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 9:52
Operator : YG
Sample : T-42_(4.0-,07070-004,S,5.21g,55.2,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,100
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:06:41 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | | |
| Target Compounds | | | | | | | |
| Sum Aroclor-1016 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1248 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1248 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1254 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | | 0.000 | 0.000 |
| 33) L8 Aroclor-1260 | | 8.33 | 7.89 | 2265.3E6 | 922.9E6 | 317.978 | 1012.700 # |
| 34) L8 Aroclor-1260 | {2} | 9.00 | 8.14 | 2341.8E6 | 1299.9E6 | 697.848 | 960.394 # |
| 35) L8 Aroclor-1260 | {3} | 9.48 | 9.73 | 6652.3E6 | 1414.0E6 | 815.591 | 1308.734 # |
| 36) L8 Aroclor-1260 | {4} | 9.96 | 10.24 | 2817.8E6 | 3773.5E6 | 666.036 | 1631.395 # |
| 37) L8 Aroclor-1260 | {5} | 11.01 | 10.82 | 1857.5E6 | 2104.8E6 | 1164.318 | 1231.839 |
| Sum Aroclor-1260 | | | | 15934.7E6 | 9515.1E6 | 3661.771 | 6145.062 |
| Average Aroclor-1260 | | | | | | 732.354 | 1229.012 |
| Sum Aroclor-1262 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | | 0.000 | 0.000 |

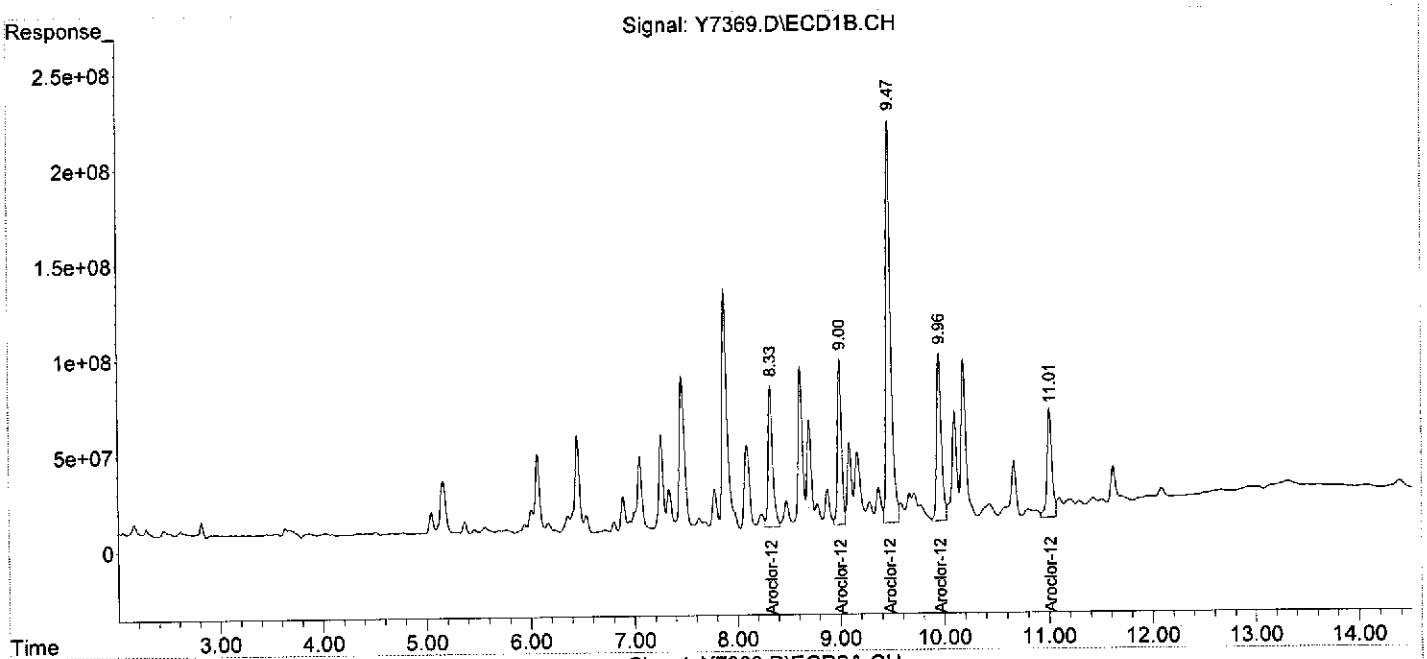
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

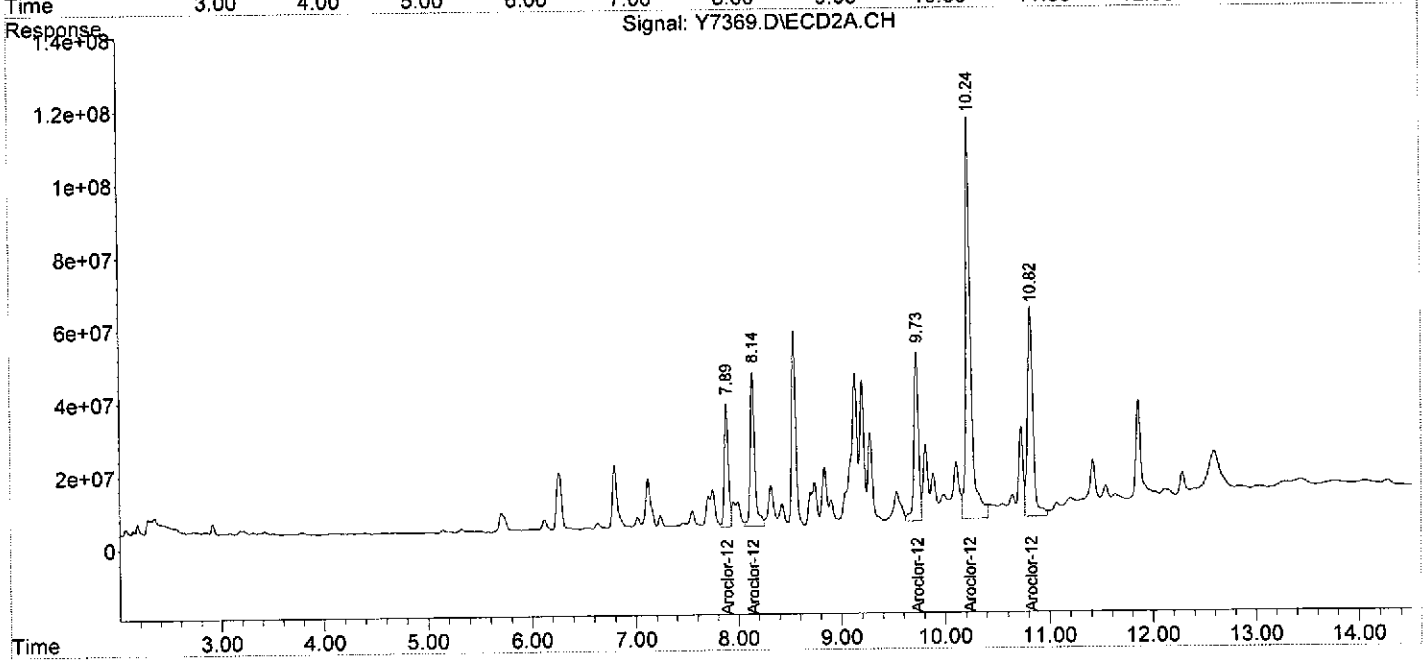
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7369.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 9:52
Operator : YG
Sample : T-42_(4.0-,07070-004,S,5.21g,55.2,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,100
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:06:41 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7370.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 10:09
Operator : YG
Sample : T-42_(6.0-,07070-005,S,5.33g,26.4,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,10
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:07:06 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 1986.2E6 | 772.7E6 | 20.990 | 24.583 |
| Spiked Amount 200.000 | | | Recovery | = | 10.49% | 12.29% |
| 2) S DCB | 12.10 | 12.51 | 473.5E6 | 158.5E6 | 24.332m | 20.800m |
| Spiked Amount 200.000 | | | Recovery | = | 12.17% | 10.40% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1248 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1248 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| 33) L8 Aroclor-1260 | 8.33 | 7.89 | 1913.6E6 | 843.6E6 | 268.607 | 925.751 # |
| 34) L8 Aroclor-1260 {2} | 9.00 | 8.14 | 1929.3E6 | 1053.4E6 | 574.923 | 778.262 # |
| 35) L8 Aroclor-1260 {3} | 9.48 | 9.73 | 5984.0E6 | 1209.8E6 | 733.656 | 1119.732 # |
| 36) L8 Aroclor-1260 {4} | 9.96 | 10.24 | 2078.8E6 | 2710.5E6 | 491.371 | 1171.826 # |
| 37) L8 Aroclor-1260 {5} | 11.01 | 10.82 | 1521.4E6 | 1691.5E6 | 953.603 | 989.969 |
| Sum Aroclor-1260 | | | 13427.1E6 | 7508.8E6 | 3022.161 | 4985.541 |
| Average Aroclor-1260 | | | | | 604.432 | 997.108 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

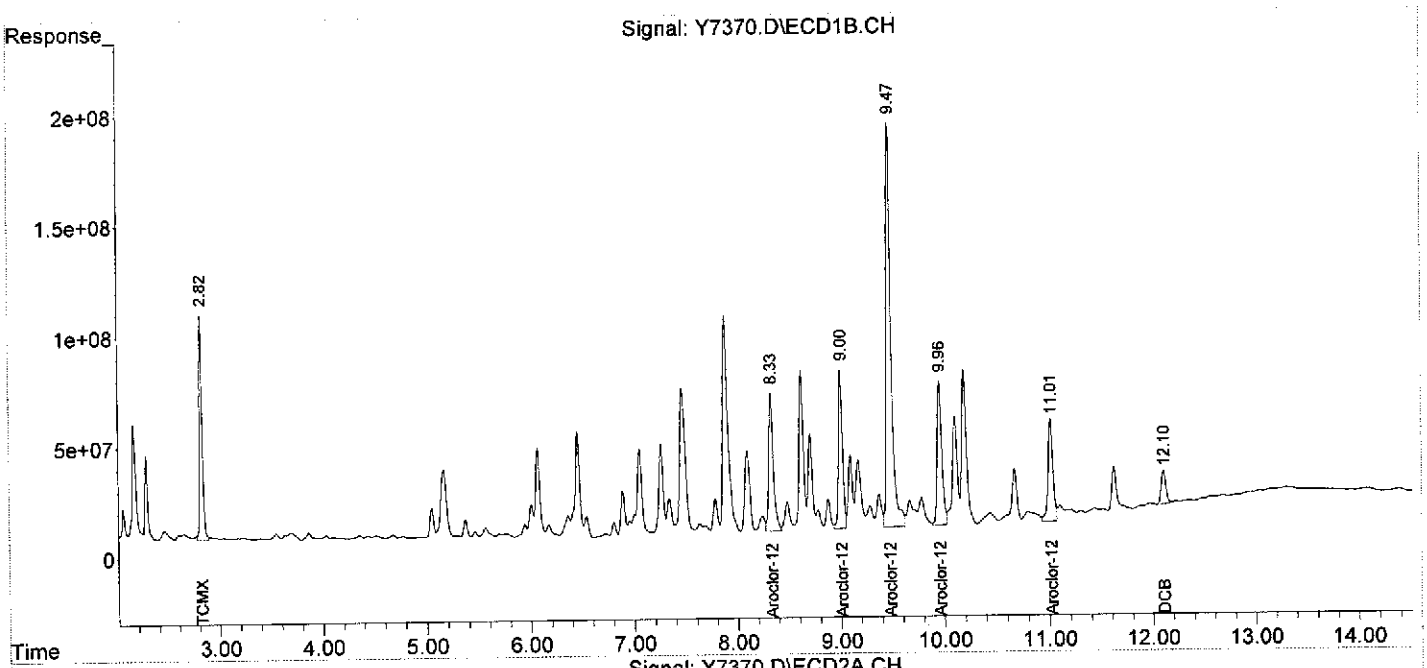
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

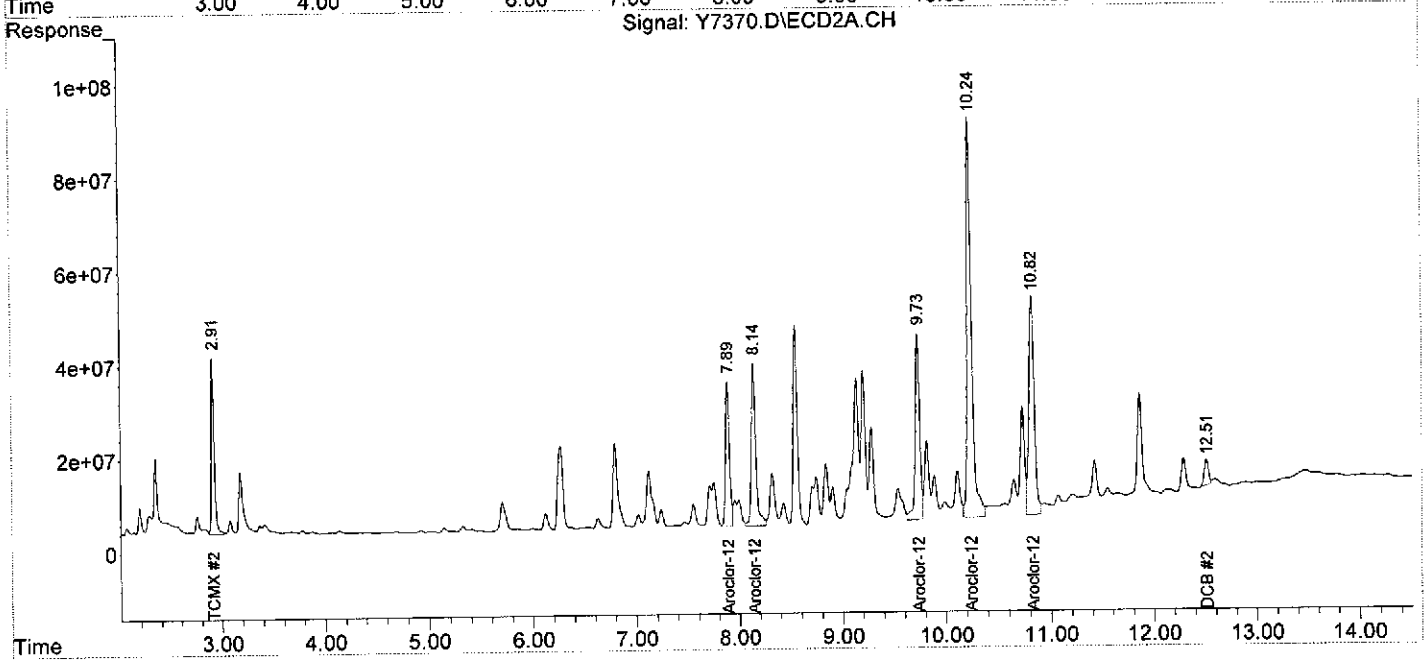
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7370.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 10:09
Operator : YG
Sample : T-42_(6.0-,07070-005,S,5.33g,26.4,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,10
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:07:06 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7371.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 10:26
Operator : YG
Sample : S-43_(0-2.,07070-006,S,5.48g,14.0,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,5
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:07:55 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | | |
| 1) S TCMX | | 2.82 | 2.91 | 5627.8E6 | 1615.2E6 | 59.476 | 51.389 |
| Spiked Amount 200.000 | | | | Recovery | = | 29.74% | 25.69% |
| 2) S DCB | | 12.10 | 12.51 | 937.0E6 | 382.7E6 | 48.144m | 50.207m |
| Spiked Amount 200.000 | | | | Recovery | = | 24.07% | 25.10% |
| Target Compounds | | | | | | | |
| Sum Aroclor-1016 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | | 4.51 | 5.14 | 942.8E6 | 391.9E6 | 222.460 | 297.487 # |
| 24) L6 Aroclor-1248 | {2} | 5.04 | 5.71 | 566.1E6 | 805.8E6 | 234.213 | 413.461 # |
| 25) L6 Aroclor-1248 | {3} | 5.37 | 6.12 | 1282.2E6 | 562.6E6 | 396.219 | 398.022 |
| 26) L6 Aroclor-1248 | {4} | 6.07 | 6.28 | 2442.2E6 | 540.6E6 | 473.228 | 448.469 |
| 27) L6 Aroclor-1248 | {5} | 6.34 | 6.63 | 2071.6E6 | 289.1E6 | 499.804 | 437.722 |
| Sum Aroclor-1248 | | | | 7304.8E6 | 2589.9E6 | 1825.923 | 1995.161 |
| Average Aroclor-1248 | | | | | | 365.185 | 399.032 |
| Sum Aroclor-1254 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | | 0.000 | 0.000 |
| 33) L8 Aroclor-1260 | | 8.33 | 7.89 | 4135.6E6 | 1218.3E6 | 580.523m | 1336.866 # |
| 34) L8 Aroclor-1260 | {2} | 9.00 | 8.14 | 2118.5E6 | 1023.6E6 | 631.288m | 756.280 |
| 35) L8 Aroclor-1260 | {3} | 9.48 | 9.73 | 6490.1E6 | 988.6E6 | 795.714 | 915.043 |
| 36) L8 Aroclor-1260 | {4} | 9.96 | 10.24 | 2577.4E6 | 2096.1E6 | 609.221 | 906.182 # |
| 37) L8 Aroclor-1260 | {5} | 11.02 | 10.82 | 1689.1E6 | 1687.5E6 | 1058.713 | 987.574 |
| Sum Aroclor-1260 | | | | 17010.8E6 | 7014.0E6 | 3675.459 | 4901.946 |
| Average Aroclor-1260 | | | | | | 735.092 | 980.389 |
| Sum Aroclor-1262 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | | 0.000 | 0.000 |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7371.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 10:26
Operator : YG
Sample : S-43_(0-2.,07070-006,S,5.48g,14.0,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,5
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:07:55 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|

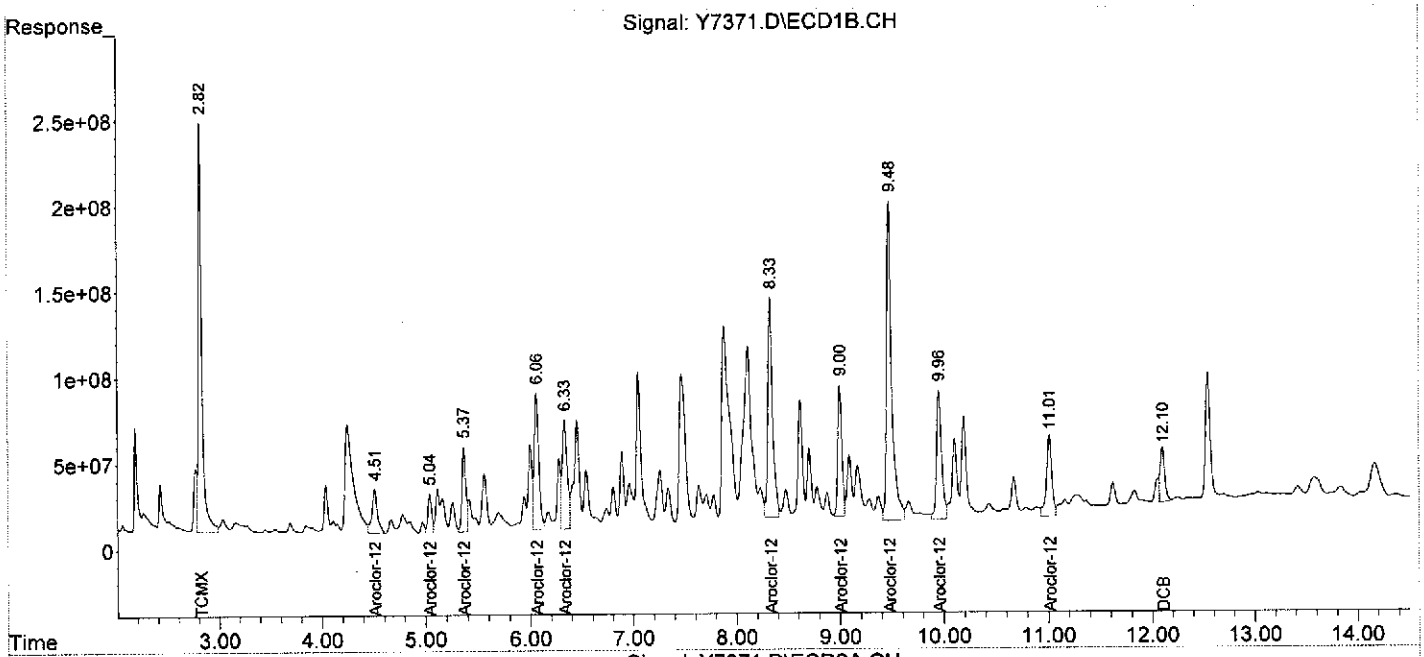
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

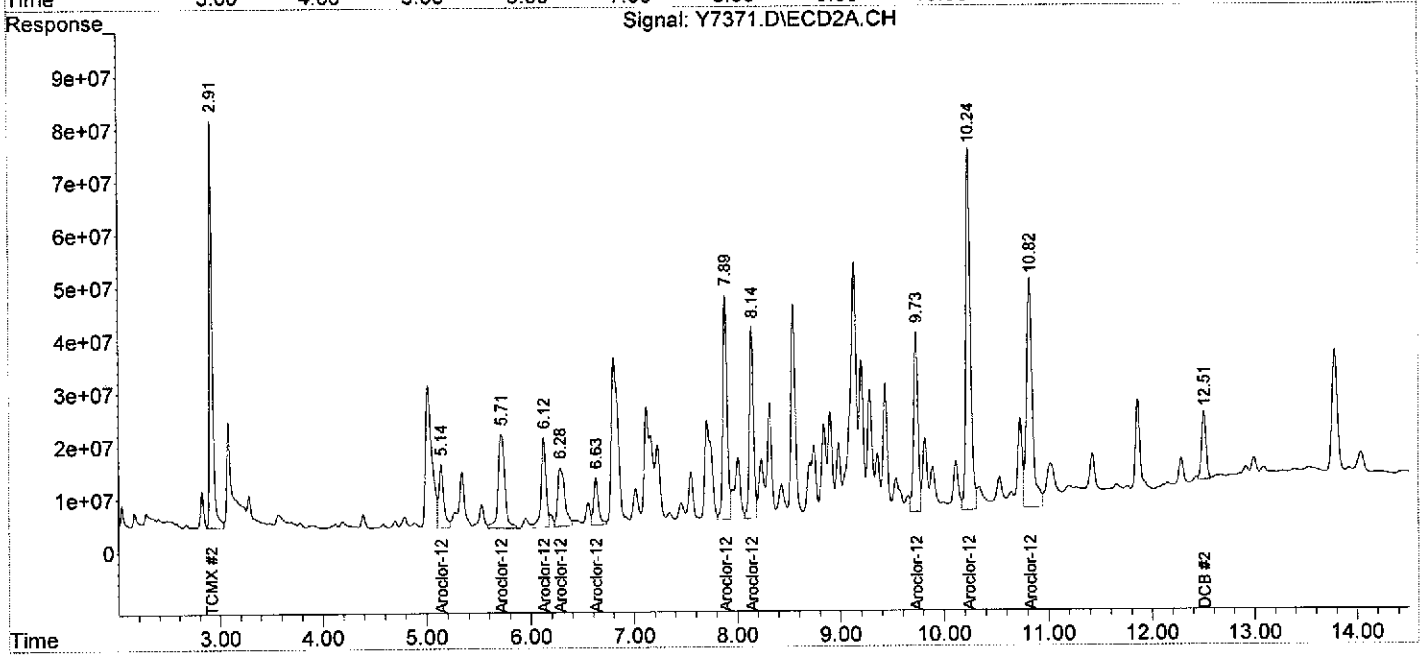
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7371.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 10:26
Operator : YG
Sample : S-43_(0-2.,07070-006,S,5.48g,14.0,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,5
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:07:55 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7419.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 1:17
Operator : YG
Sample : S-43_(2.0-,07070-007,S,5.32g,22.6,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:17:02 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 1529.9E6 | 585.9E6 | 16.169 | 18.642 |
| Spiked Amount 200.000 | | | Recovery | = | 8.08% | 9.32% |
| 2) S DCB | 12.11 | 12.51 | 270.4E6 | 122.0E6 | 13.896m | 16.006m |
| Spiked Amount 200.000 | | | Recovery | = | 6.95% | 8.00% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 4.52 | 5.14 | 1317.6E6 | 497.6E6 | 310.893 | 377.701 |
| 24) L6 Aroclor-1248 {2} | 5.05 | 5.73 | 736.4E6 | 948.7E6 | 304.706 | 486.808 # |
| 25) L6 Aroclor-1248 {3} | 5.37 | 6.13 | 980.2E6 | 727.9E6 | 302.902 | 514.988 # |
| 26) L6 Aroclor-1248 {4} | 6.07 | 6.28 | 3534.9E6 | 1017.1E6 | 684.972 | 843.760 |
| 27) L6 Aroclor-1248 {5} | 6.34 | 6.63 | 2883.1E6 | 570.8E6 | 695.572 | 864.345 |
| Sum Aroclor-1248 | | | 9452.2E6 | 3762.1E6 | 2299.044 | 3087.601 |
| Average Aroclor-1248 | | | | | 459.809 | 617.520 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

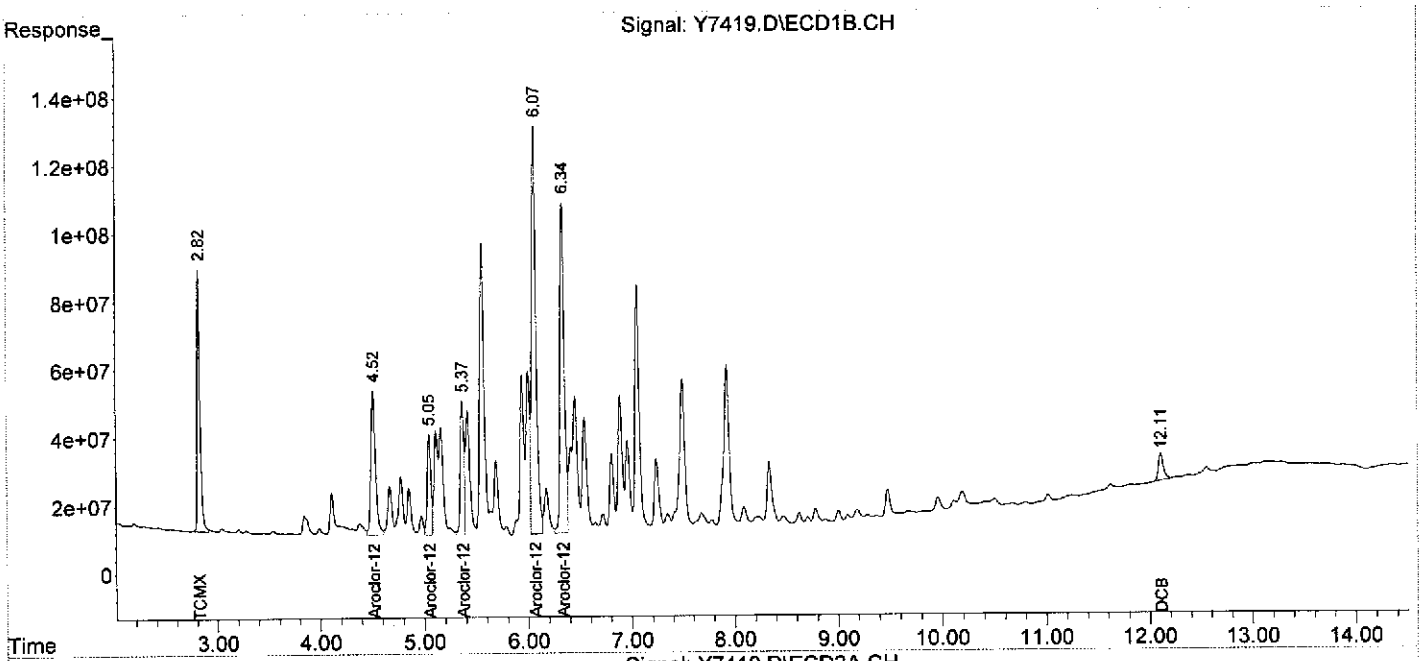
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

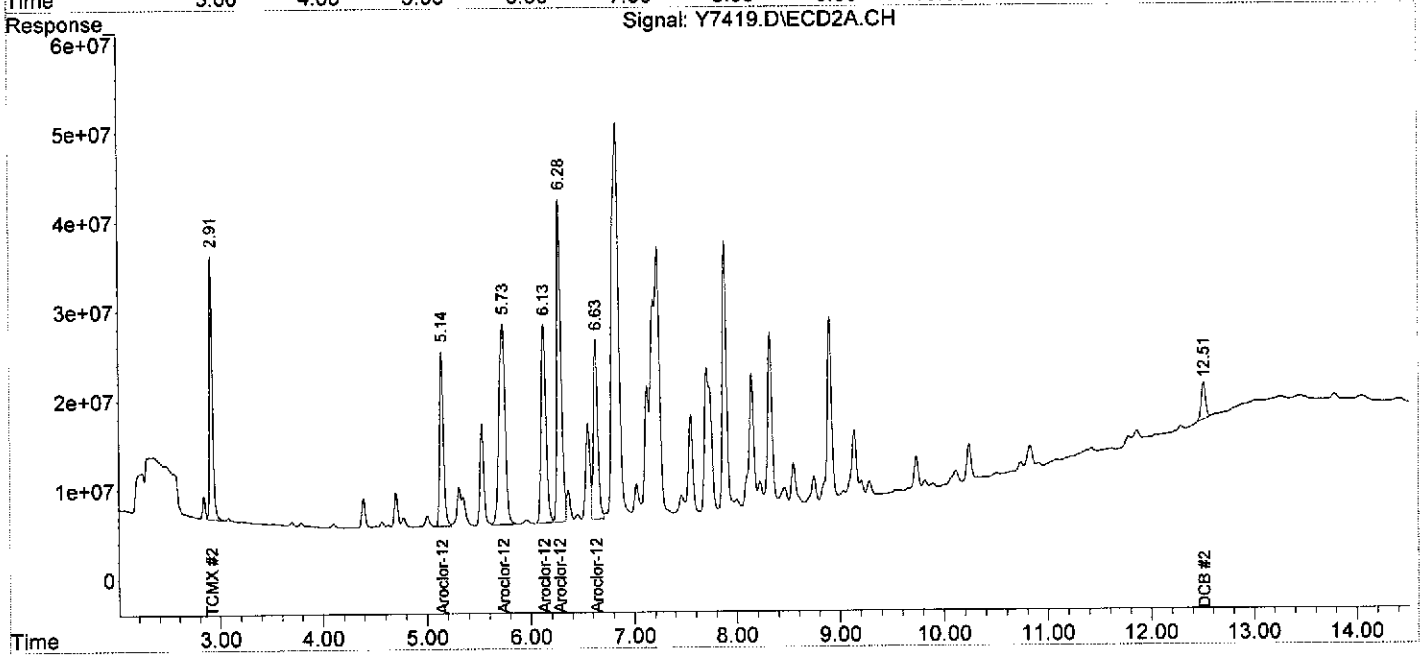
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7419.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 1:17
Operator : YG
Sample : S-43_(2.0-,07070-007,S,5.32g,22.6,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:17:02 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7420.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 1:35
Operator : YG
Sample : S-43_(4.0-,07070-008,S,5.23g,31.1,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,10
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:17:27 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 | |
|---|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 2043.4E6 | 739.8E6 | 21.595 | 23.537 | |
| Spiked Amount 200.000 | | | Recovery = | | 10.80% | 11.77% | |
| 2) S DCB | 12.11 | 12.51 | 351.5E6 | 145.3E6 | 18.062m | 19.063m | |
| Spiked Amount 200.000 | | | Recovery = | | 9.03% | 9.53% | |
| Target Compounds | | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 | |
| 23) L6 Aroclor-1248 | 4.52 | 5.15 | 994.7E6 | 361.8E6 | 234.697 | 274.653 | |
| 24) L6 Aroclor-1248 {2} | 5.05 | 5.73 | 986.7E6 | 1078.7E6 | 408.265 | 553.528 | # |
| 25) L6 Aroclor-1248 {3} | 5.37 | 6.13 | 1394.5E6 | 883.0E6 | 430.924 | 624.730 | # |
| 26) L6 Aroclor-1248 {4} | 6.07 | 6.28 | 3724.3E6 | 1030.6E6 | 721.666 | 854.976 | |
| 27) L6 Aroclor-1248 {5} | 6.34 | 6.63 | 2727.6E6 | 457.0E6 | 658.052 | 691.995 | |
| Sum Aroclor-1248 | | | 9827.7E6 | 3811.2E6 | 2453.606 | 2999.882 | |
| Average Aroclor-1248 | | | | | 490.721 | 599.976 | |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 | |

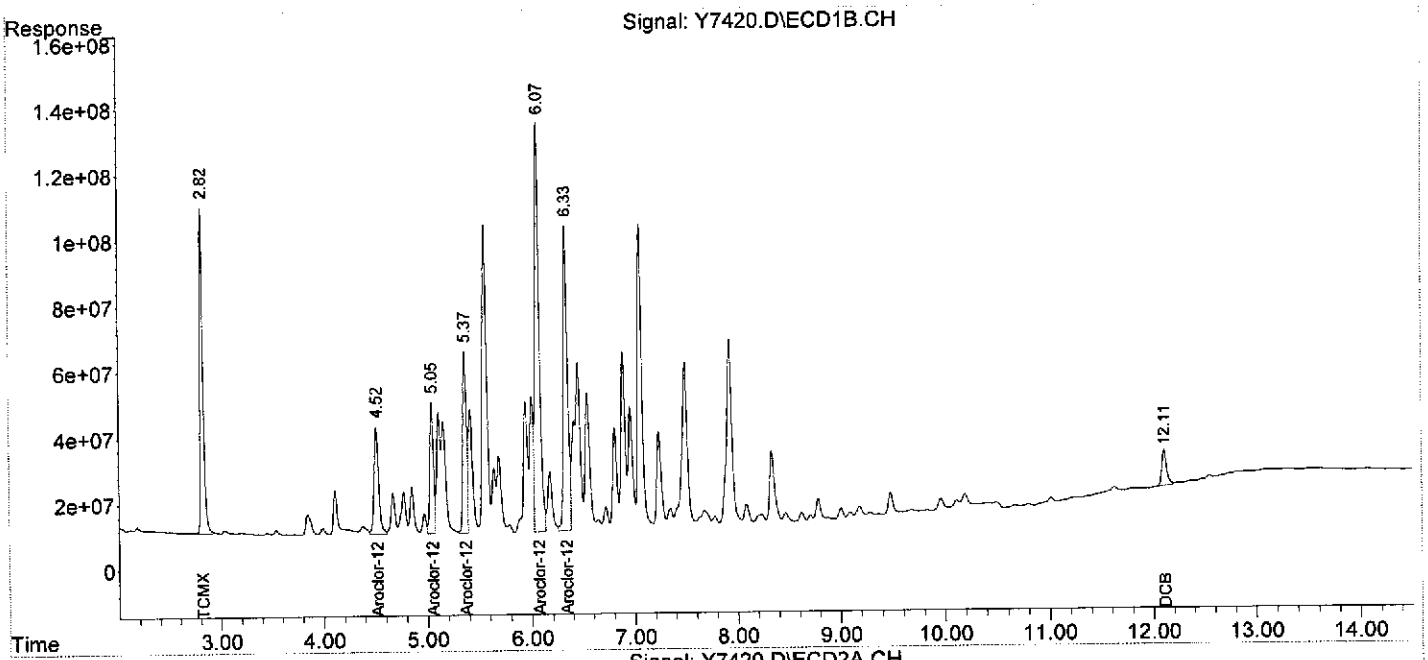
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

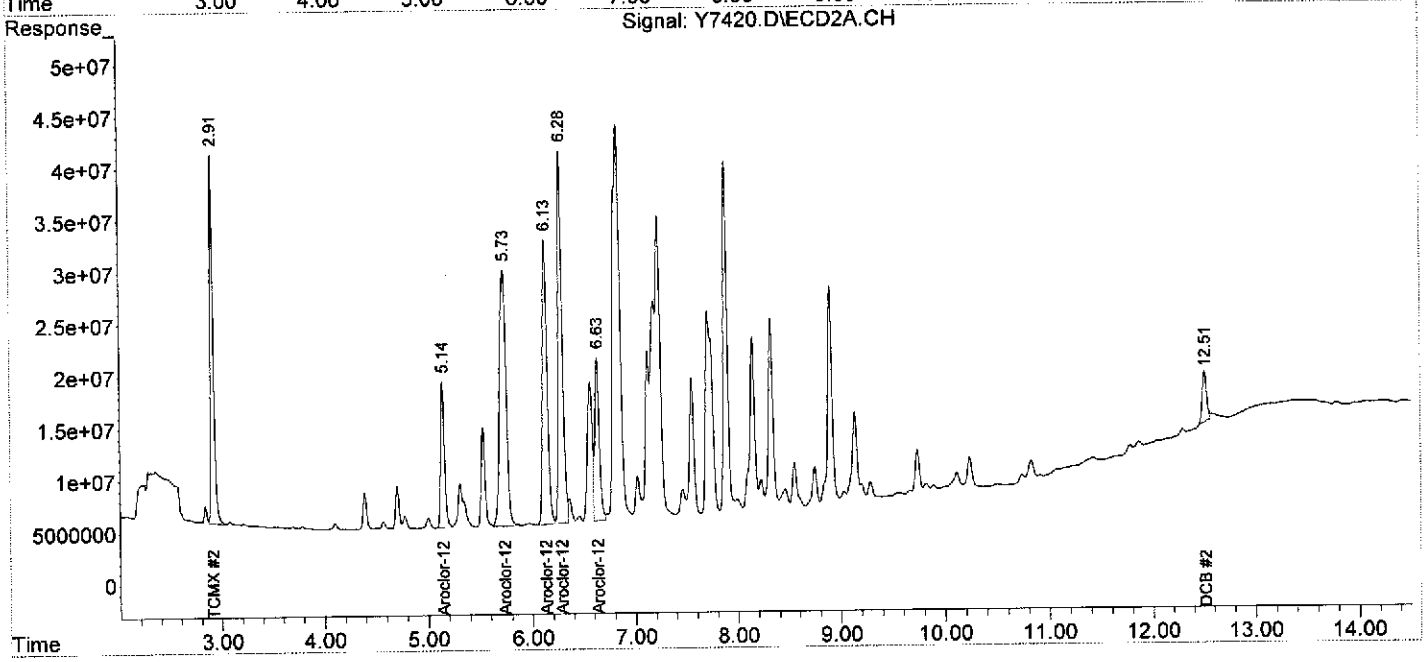
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7420.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 1:35
Operator : YG
Sample : S-43_(4.0-,07070-008,S,5.23g,31.1,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,10
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:17:27 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7421.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 1:52
Operator : YG
Sample : S-43_(6.0-,07070-009,S,5.21g,66.0,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,10
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:17:52 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 2737.2E6 | 966.9E6 | 28.927 | 30.763 |
| Spiked Amount 200.000 | | | Recovery | = | 14.46% | 15.38% |
| 2) S DCB | 12.11 | 12.51 | 485.8E6 | 202.2E6 | 24.962m | 26.526m |
| Spiked Amount 200.000 | | | Recovery | = | 12.48% | 13.26% |
| 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 |
| 23) L6 Aroclor-1248 | 4.52 | 5.14 | 780.5E6 | 285.1E6 | 184.165 | 216.419 |
| 24) L6 Aroclor-1248 {2} | 5.05 | 5.72 | 627.1E6 | 527.6E6 | 259.479 | 270.746 |
| 25) L6 Aroclor-1248 {3} | 5.37 | 6.13 | 819.6E6 | 388.9E6 | 253.256 | 275.111 |
| 26) L6 Aroclor-1248 {4} | 6.07 | 6.28 | 1121.9E6 | 307.6E6 | 217.398 | 255.215 |
| 27) L6 Aroclor-1248 {5} | 6.34 | 6.63 | 743.8E6 | 145.9E6 | 179.448 | 220.874 |
| Sum Aroclor-1248 | | | 4092.9E6 | 1655.1E6 | 1093.746 | 1238.365 |
| Average Aroclor-1248 | | | | | 218.749 | 247.673 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

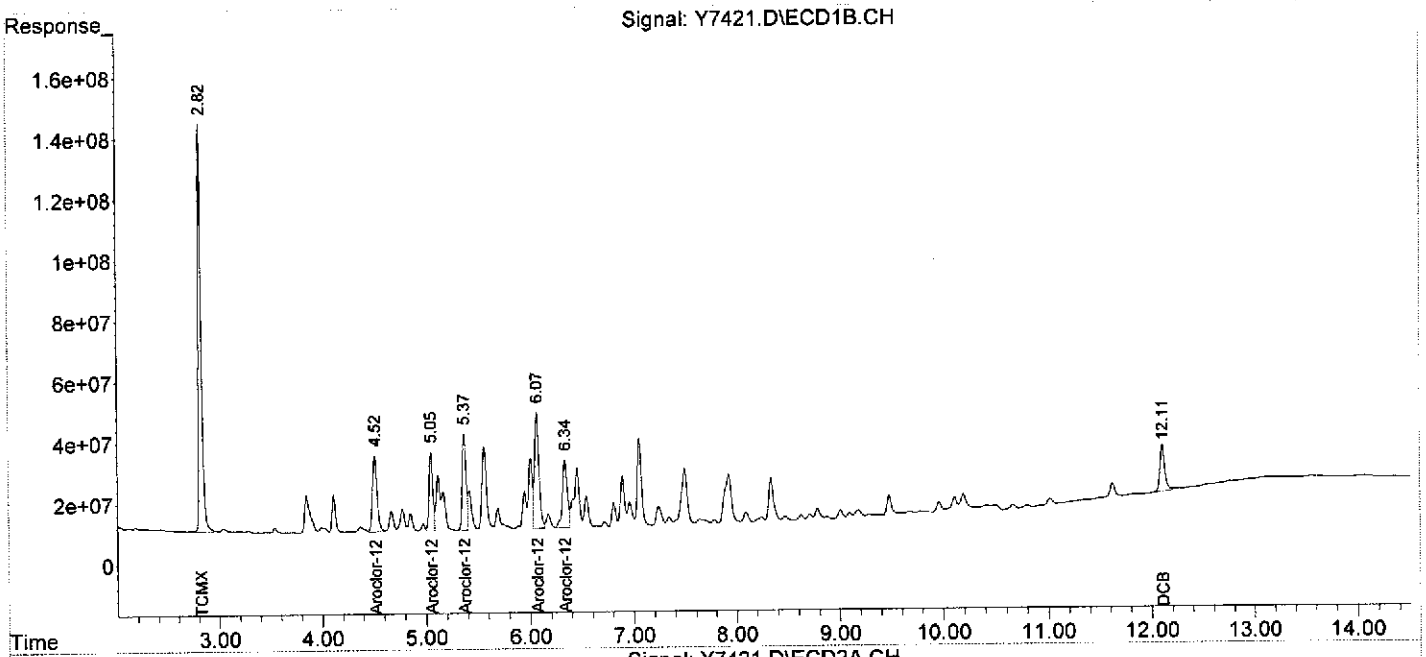
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

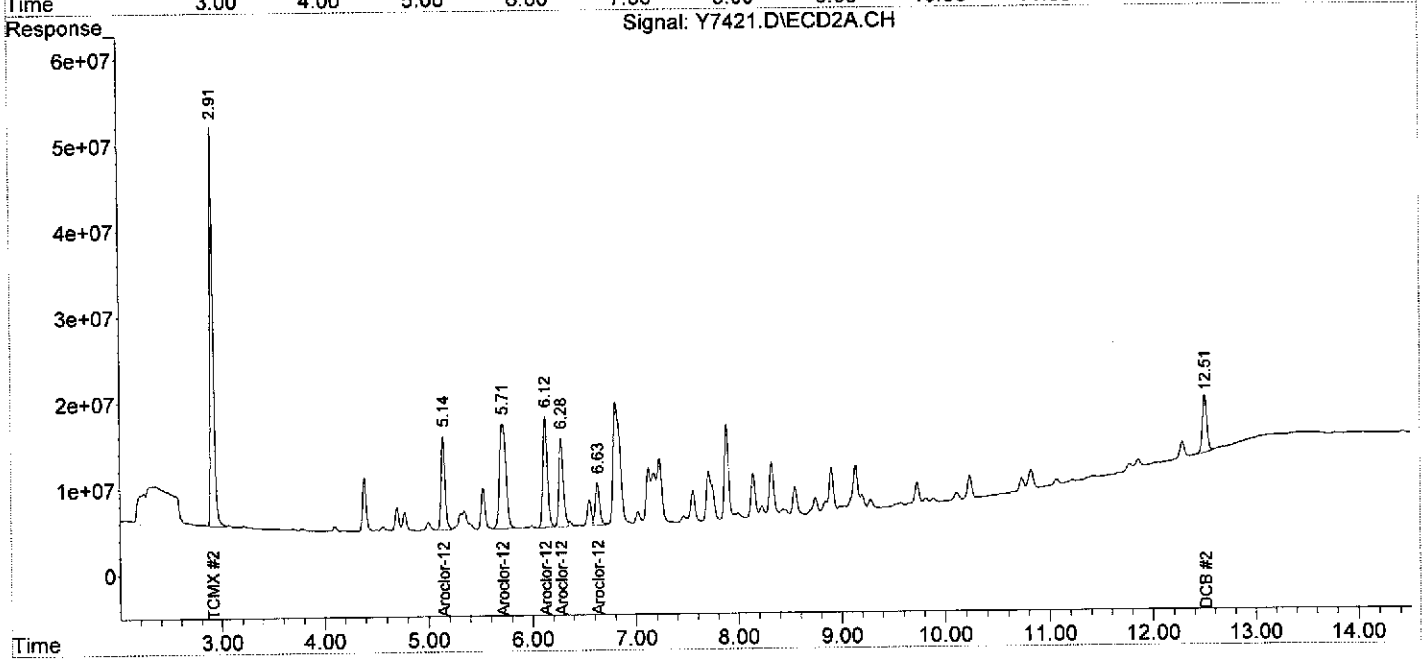
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7421.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 1:52
Operator : YG
Sample : S-43_(6.0-,07070-009,S,5.21g,66.0,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,10
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:17:52 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7375.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 11:35
Operator : YG
Sample : S-43_(8.0-,07070-010,S,5.74g,28.3,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:08:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 | |
|---|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 21602.0E6 | 7483.2E6 | 228.296 | 238.083 | |
| Spiked Amount 200.000 | | | Recovery | = | 114.15% | 119.04% | |
| 2) S DCB | 12.10 | 12.51 | 4331.9E6 | 1763.3E6 | 222.589m | 231.333m | |
| Spiked Amount 200.000 | | | Recovery | = | 111.29% | 115.67% | |
| Target Compounds | | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 | |
| 23) L6 Aroclor-1248 | 4.51 | 5.14 | 860.3E6 | 322.0E6 | 203.003 | 244.446 | |
| 24) L6 Aroclor-1248 {2} | 5.05 | 5.72 | 723.7E6 | 638.3E6 | 299.447 | 327.522 | |
| 25) L6 Aroclor-1248 {3} | 5.37 | 6.12 | 963.5E6 | 488.4E6 | 297.740 | 345.531 | |
| 26) L6 Aroclor-1248 {4} | 6.07 | 6.28 | 1584.2E6 | 391.5E6 | 306.977 | 324.814 | |
| 27) L6 Aroclor-1248 {5} | 6.33 | 6.63 | 1038.8E6 | 197.7E6 | 250.625 | 299.420 | |
| Sum Aroclor-1248 | | | 5170.6E6 | 2038.0E6 | 1357.792 | 1541.734 | |
| Average Aroclor-1248 | | | | | 271.558 | 308.347 | |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 | |
| 33) L8 Aroclor-1260 | 8.33 | 7.89 | 1006.6E6 | 479.2E6 | 141.303 | 525.837 | # |
| 34) L8 Aroclor-1260 {2} | 9.00 | 8.14 | 402.1E6 | 300.5E6 | 119.812 | 222.042 | # |
| 35) L8 Aroclor-1260 {3} | 9.48 | 9.73 | 1123.5E6 | 213.1E6 | 137.751 | 197.220 | # |
| 36) L8 Aroclor-1260 {4} | 9.96 | 10.24 | 506.7E6 | 469.7E6 | 119.761 | 203.069 | # |
| 37) L8 Aroclor-1260 {5} | 11.02 | 10.82 | 480.4E6 | 365.3E6 | 301.134 | 213.792 | # |
| Sum Aroclor-1260 | | | 3519.4E6 | 1827.8E6 | 819.762 | 1361.960 | |
| Average Aroclor-1260 | | | | | 163.952 | 272.392 | |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 | |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7375.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 11:35
Operator : YG
Sample : S-43_(8.0-,07070-010,S,5.74g,28.3,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:08:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|

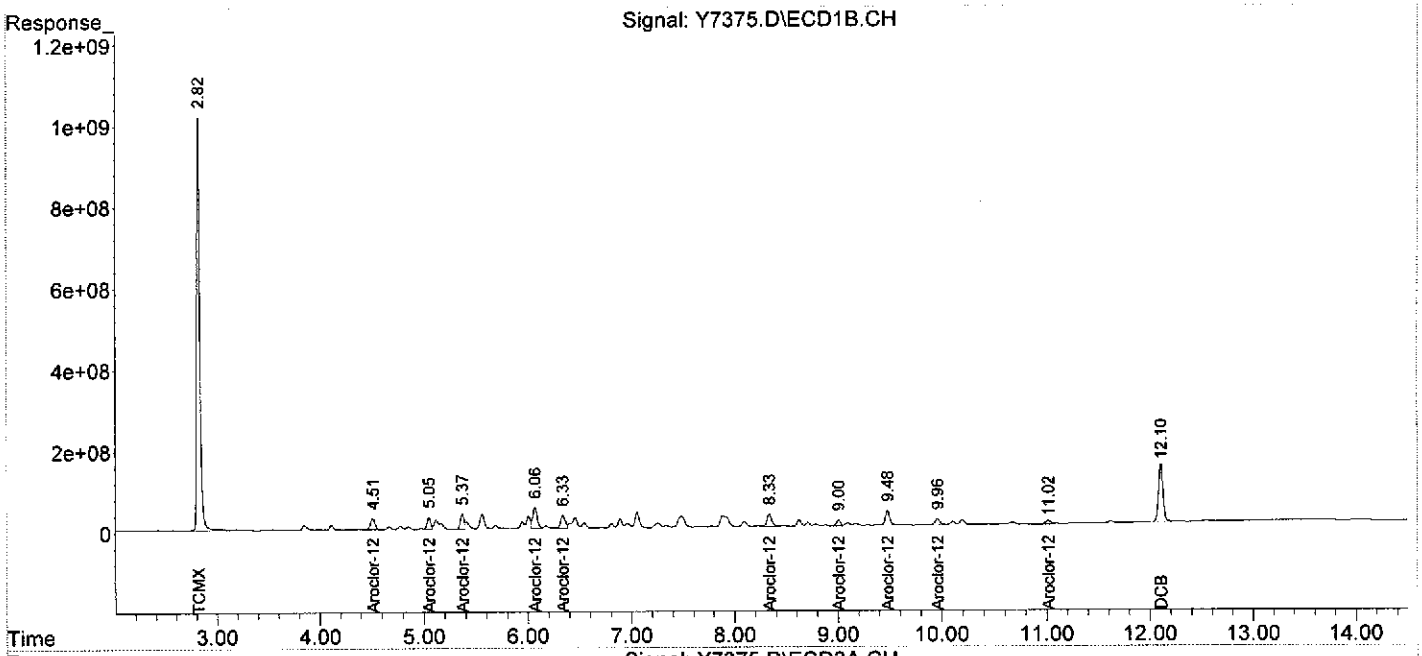
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

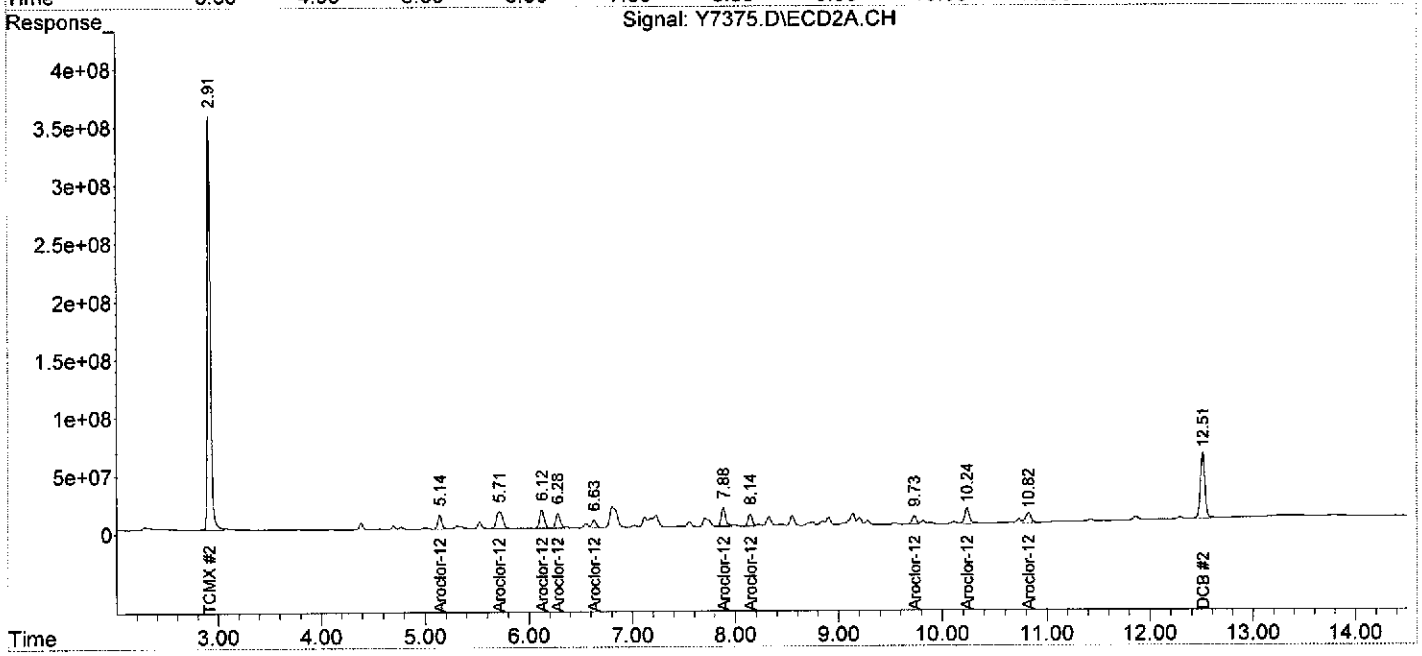
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7375.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 11:35
Operator : YG
Sample : S-43_(8.0-,07070-010,S,5.74g,28.3,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:08:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7422.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 2:09
Operator : YG
Sample : R-44_(0-2.,07070-011,S,5.67g,22.0,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,10
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:18:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 | |
|---|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 2905.6E6 | 851.0E6 | 30.708 | 27.076 | |
| Spiked Amount 200.000 | | | Recovery = | | 15.35% | 13.54% | |
| 2) S DCB | 12.11 | 12.51 | 375.9E6 | 172.4E6 | 19.315m | 22.613m | |
| Spiked Amount 200.000 | | | Recovery = | | 9.66% | 11.31% | |
| Target Compounds | | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 | |
| 23) L6 Aroclor-1248 | 4.52 | 5.14 | 360.1E6 | 163.0E6 | 84.967 | 123.706 | # |
| 24) L6 Aroclor-1248 {2} | 5.05 | 5.71 | 479.0E6 | 413.5E6 | 198.194 | 212.173 | |
| 25) L6 Aroclor-1248 {3} | 5.37 | 6.13 | 634.7E6 | 288.9E6 | 196.148 | 204.425 | |
| 26) L6 Aroclor-1248 {4} | 6.07 | 6.28 | 1467.1E6 | 170.9E6 | 284.282 | 141.768 | # |
| 27) L6 Aroclor-1248 {5} | 6.34 | 6.63 | 759.6E6 | 128.9E6 | 183.266 | 195.265 | |
| Sum Aroclor-1248 | | | 3700.5E6 | 1165.2E6 | 946.858 | 877.336 | |
| Average Aroclor-1248 | | | | | 189.372 | 175.467 | |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 | |
| 33) L8 Aroclor-1260 | 8.34 | 7.89 | 2435.5E6 | 724.6E6 | 341.877 | 795.182 | # |
| 34) L8 Aroclor-1260 {2} | 9.01 | 8.14 | 678.1E6 | 487.2E6 | 202.062 | 359.934 | # |
| 35) L8 Aroclor-1260 {3} | 9.48 | 9.73 | 2057.6E6 | 460.8E6 | 252.270 | 426.549 | # |
| 36) L8 Aroclor-1260 {4} | 9.96 | 10.24 | 987.3E6 | 896.5E6 | 233.361 | 387.577 | # |
| 37) L8 Aroclor-1260 {5} | 11.02 | 10.83 | 686.2E6 | 736.5E6 | 430.121 | 431.023 | |
| Sum Aroclor-1260 | | | 6844.7E6 | 3305.6E6 | 1459.691 | 2400.265 | |
| Average Aroclor-1260 | | | | | 291.938 | 480.053 | |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 | |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7422.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 2:09
Operator : YG
Sample : R-44_(0-2.,07070-011,S,5.67g,22.0,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,10
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:18:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|

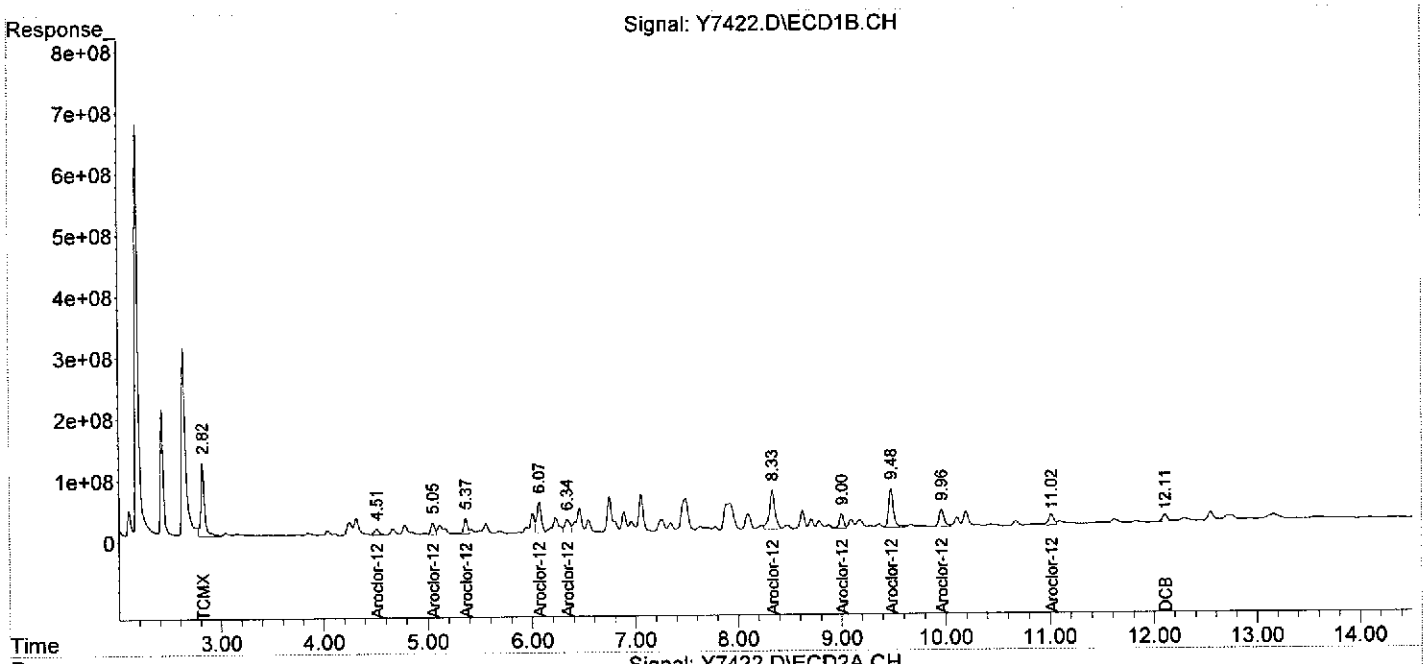
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

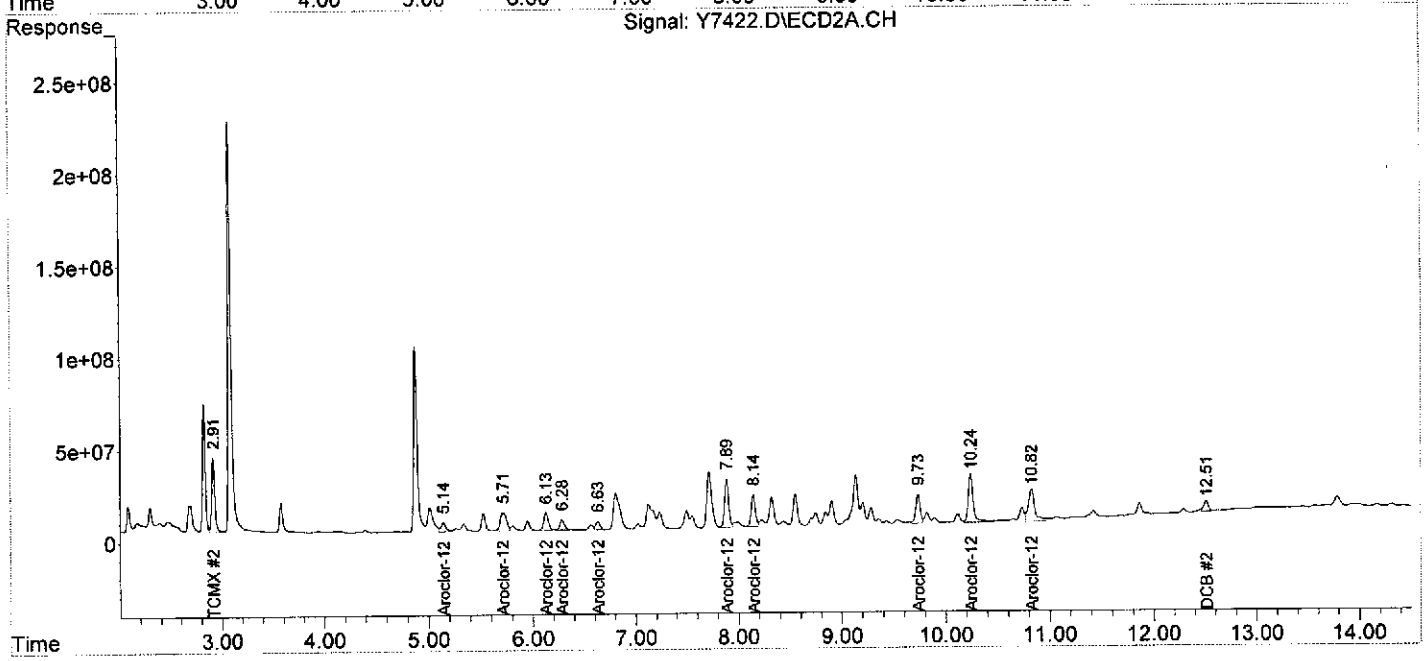
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7422.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 2:09
Operator : YG
Sample : R-44_(0-2.,07070-011,S,5.67g,22.0,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,10
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:18:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7377.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 12:10
Operator : YG
Sample : R-44_(2.0-,07070-012,S,5.89g,26.4,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:09:43 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 21015.3E6 | 7515.1E6 | 222.095 | 239.098 |
| Spiked Amount 200.000 | | | Recovery | = | 111.05% | 119.55% |
| 2) S DCB | 12.10 | 12.51 | 4553.3E6 | 1698.7E6 | 233.965m | 222.852m |
| Spiked Amount 200.000 | | | Recovery | = | 116.98% | 111.43% |
| 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 |
| 23) L6 Aroclor-1248 | 4.51 | 5.14 | 1938.7E6 | 837.1E6 | 457.458 | 635.362 # |
| 24) L6 Aroclor-1248 {2} | 5.05 | 5.72 | 1703.2E6 | 1778.5E6 | 704.719 | 912.580 # |
| 25) L6 Aroclor-1248 {3} | 5.37 | 6.13 | 3491.6E6 | 1325.9E6 | 1078.971 | 938.085 |
| 26) L6 Aroclor-1248 {4} | 6.07 | 6.28 | 5931.6E6 | 944.9E6 | 1149.394 | 783.893 # |
| 27) L6 Aroclor-1248 {5} | 6.34 | 6.63 | 4405.3E6 | 728.7E6 | 1062.824 | 1103.501 |
| Sum Aroclor-1248 | | | 17470.5E6 | 5615.1E6 | 4453.367 | 4373.420 |
| Average Aroclor-1248 | | | | | 890.673 | 874.684 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| 33) L8 Aroclor-1260 | 8.34 | 7.89 | 2837.6E6 | 1562.5E6 | 398.317 | 1714.575 # |
| 34) L8 Aroclor-1260 {2} | 9.01 | 8.14 | 1304.1E6 | 888.6E6 | 388.602 | 656.551 # |
| 35) L8 Aroclor-1260 {3} | 9.48 | 9.73 | 2785.6E6 | 655.3E6 | 341.518 | 606.547 # |
| 36) L8 Aroclor-1260 {4} | 9.96 | 10.24 | 1498.8E6 | 868.2E6 | 354.262 | 375.346 |
| 37) L8 Aroclor-1260 {5} | 11.02 | 10.82 | 1048.0E6 | 810.5E6 | 656.901 | 474.368 # |
| Sum Aroclor-1260 | | | 9474.0E6 | 4785.2E6 | 2139.601 | 3827.387 |
| Average Aroclor-1260 | | | | | 427.920 | 765.477 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7377.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 12:10
Operator : YG
Sample : R-44_(2.0-,07070-012,S,5.89g,26.4,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:09:43 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|

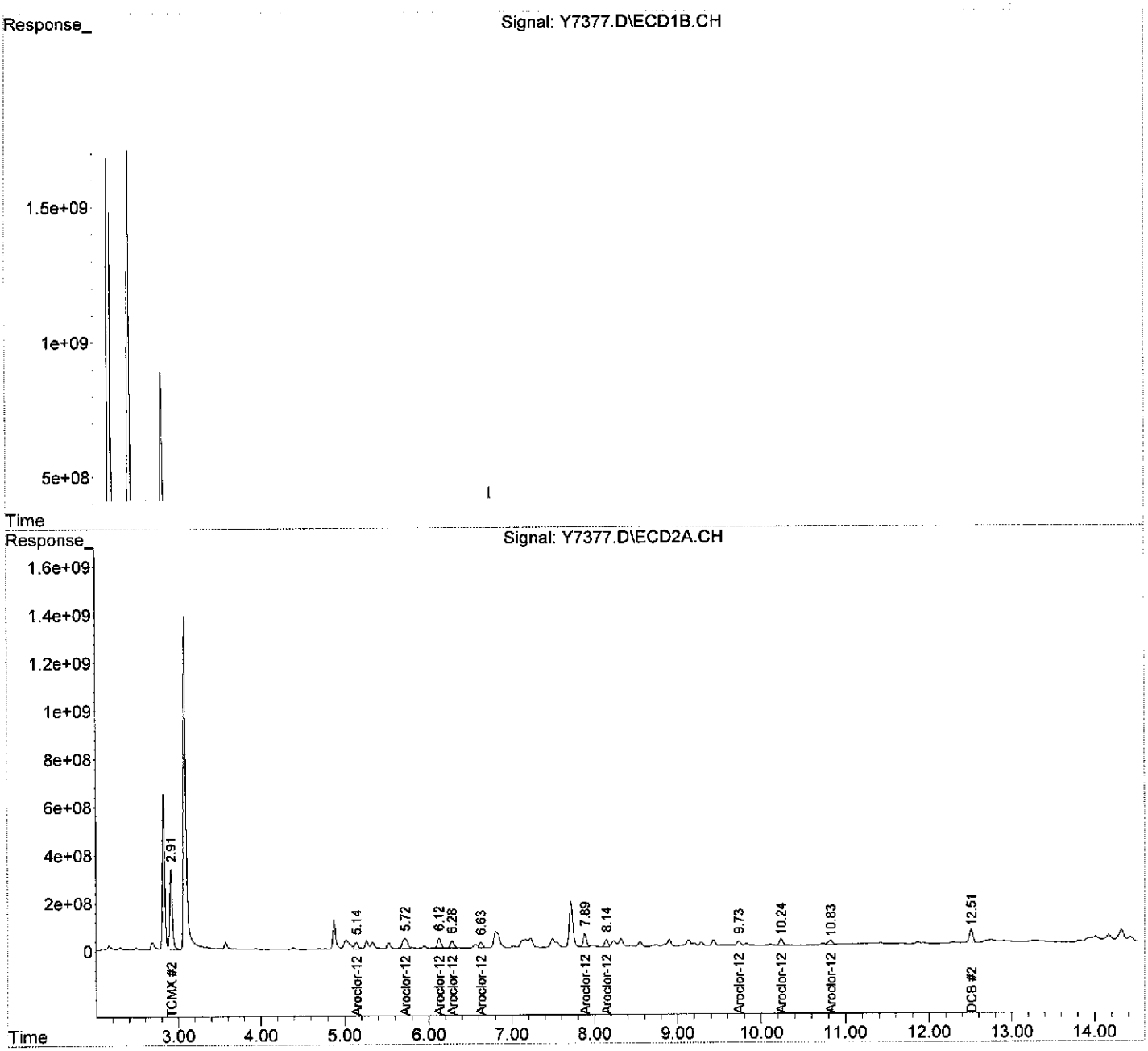
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

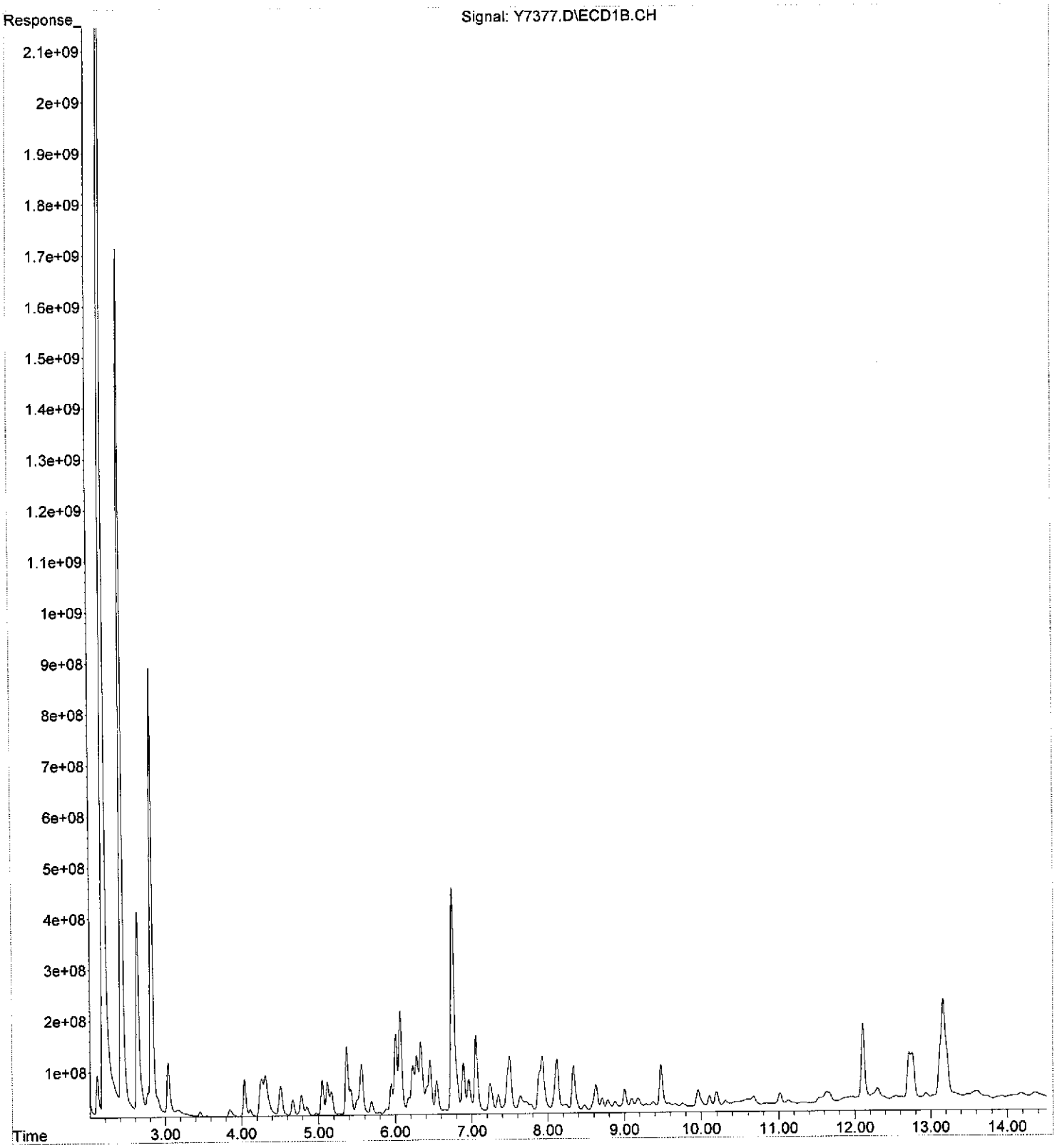
Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7377.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 12:10
Operator : YG
Sample : R-44_(2.0-,07070-012,S,5.89g,26.4,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:09:43 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



File :C:\MSDChem\1\DATA\07-24-12\Y7377.D
Operator : YG
Acquired : 25 Jul 2012 12:10 using AcqMethod YPCB0626.M
Instrument : GC_Y
Sample Name: R-44_(2.0-,07070-012,S,5.89g,26.4,07/23/12,4
Misc Info : 120723-11,07/16/12,07/16/12,1
Vial Number: 35



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7378.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 12:27
Operator : YG
Sample : R-44_(4.0-,07070-013,S,5.07g,26.7,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,1
ALS Vial : 36 Sample Multiplier: 1

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

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 20959.2E6 | 7263.6E6 | 221.503 | 231.096 |
| Spiked Amount 200.000 | | | Recovery | = | 110.75% | 115.55% |
| 2) S DCB | 12.11 | 12.51 | 4416.0E6 | 1772.3E6 | 226.906m | 232.507m |
| Spiked Amount 200.000 | | | Recovery | = | 113.45% | 116.25% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1248 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1248 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

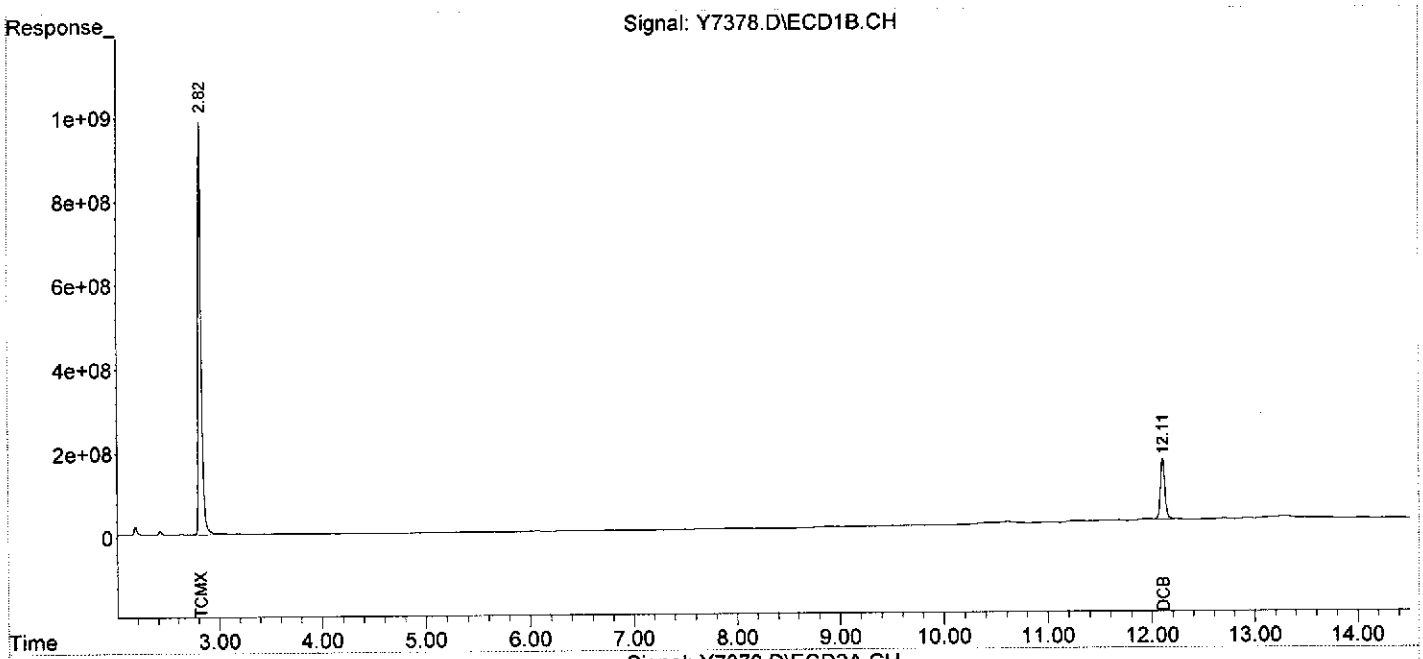
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

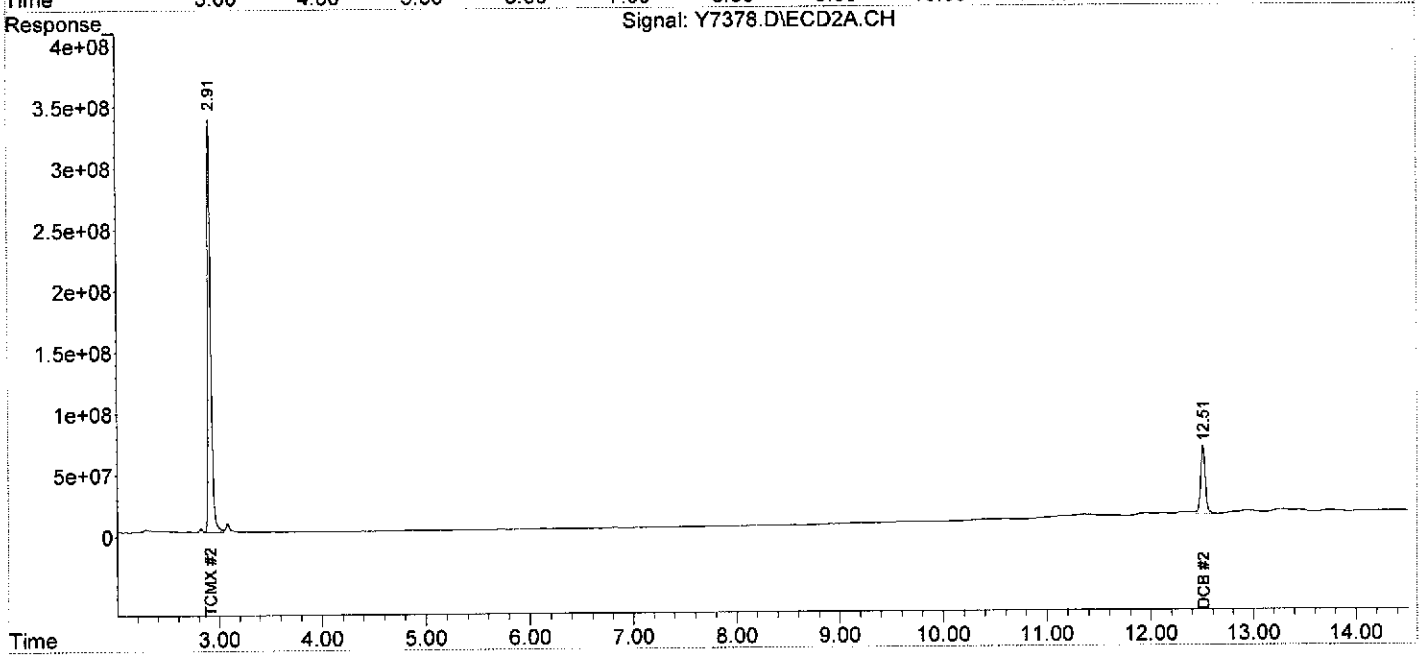
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7378.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 12:27
Operator : YG
Sample : R-44_(4.0-,07070-013,S,5.07g,26.7,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,1
ALS Vial : 36 Sample Multiplier: 1

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

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7379.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 12:44
Operator : YG
Sample : R-46_(0-2.,07070-014,S,5.69g,18.5,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,5
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:11:34 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 4893.2E6 | 1523.2E6 | 51.713 | 48.461 |
| Spiked Amount 200.000 | | | Recovery = | | 25.86% | 24.23% |
| 2) S DCB | 12.10 | 12.51 | 964.0E6 | 389.0E6 | 49.536m | 51.038m |
| Spiked Amount 200.000 | | | Recovery = | | 24.77% | 25.52% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 4.51 | 5.14 | 3095.3E6 | 973.2E6 | 730.359 | 738.710 |
| 24) L6 Aroclor-1248 {2} | 5.05 | 5.73 | 2462.5E6 | 2655.7E6 | 1018.884 | 1362.683 # |
| 25) L6 Aroclor-1248 {3} | 5.37 | 6.12 | 4548.4E6 | 1854.3E6 | 1405.525 | 1311.911 |
| 26) L6 Aroclor-1248 {4} | 6.06 | 6.28 | 8031.4E6 | 1117.1E6 | 1556.280 | 926.758 # |
| 27) L6 Aroclor-1248 {5} | 6.33 | 6.63 | 4863.2E6 | 636.8E6 | 1173.299 | 964.341 |
| Sum Aroclor-1248 | | | 23000.8E6 | 7237.1E6 | 5884.347 | 5304.403 |
| Average Aroclor-1248 | | | | | 1176.869 | 1060.881 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| 33) L8 Aroclor-1260 | 8.29 | 7.89 | 10750.4E6 | 1731.7E6 | 1509.045 | 1900.293 # |
| 34) L8 Aroclor-1260 {2} | 9.00 | 8.14 | 1822.7E6 | 1140.2E6 | 543.160 | 842.379 # |
| 35) L8 Aroclor-1260 {3} | 9.48 | 9.73 | 4491.4E6 | 814.9E6 | 550.657 | 754.282 # |
| 36) L8 Aroclor-1260 {4} | 9.96 | 10.24 | 1750.0E6 | 1860.0E6 | 413.653 | 804.132 # |
| 37) L8 Aroclor-1260 {5} | 11.01 | 10.83 | 1316.4E6 | 1289.4E6 | 825.139 | 754.589 |
| Sum Aroclor-1260 | | | 20131.0E6 | 6836.2E6 | 3841.653 | 5055.675 |
| Average Aroclor-1260 | | | | | 768.331 | 1011.135 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7379.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 12:44
Operator : YG
Sample : R-46_(0-2.,07070-014,S,5.69g,18.5,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,5
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:11:34 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|

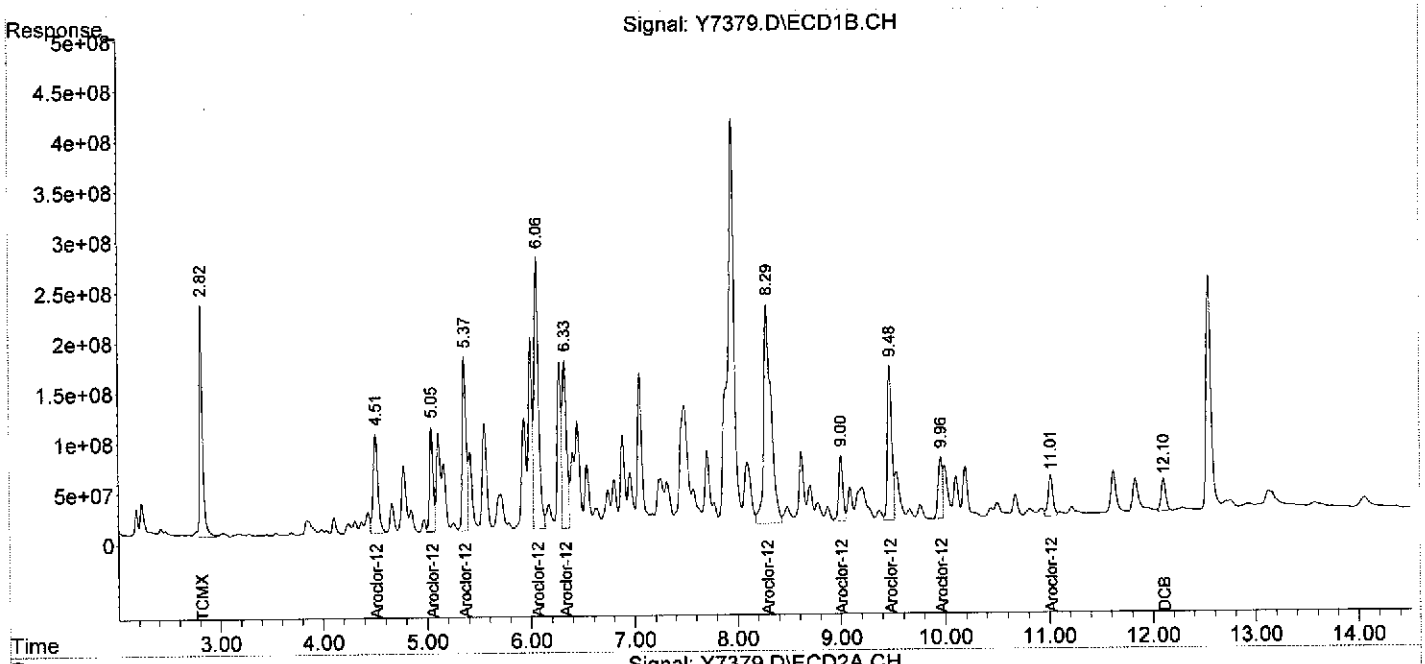
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

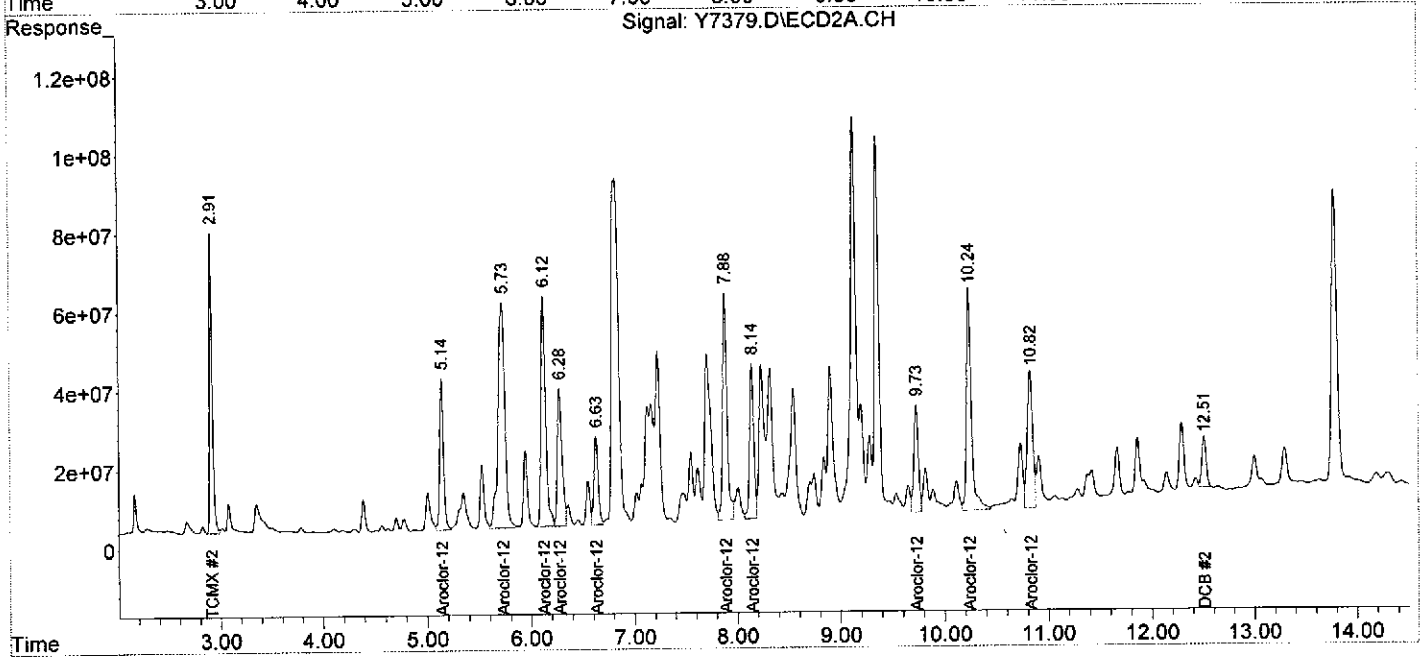
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-24-12\
Data File : Y7379.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 25 Jul 2012 12:44
Operator : YG
Sample : R-46_(0-2.,07070-014,S,5.69g,18.5,07/23/12,4
Misc : 120723-11,07/16/12,07/16/12,5
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 12:11:34 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2218.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 15:49
Operator : IB
Sample : R-46_(2.0-,07070-015,S,5.64g,16.0,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:03:11 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 3.47 | 3.39 | 46783.7E6 | 36091.5E6 | 265.319 | 266.149 |
| Spiked Amount 200.000 | | | Recovery | = | 132.66% | 133.07% |
| 2) S DCB | 13.10 | 13.20 | 17509.4E6 | 9407.2E6 | 226.038 | 271.182 |
| Spiked Amount 200.000 | | | Recovery | = | 113.02% | 135.59% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 5.30 | 5.70 | 695.5E6 | 567.8E6 | 81.323 | 110.923 # |
| 24) L6 Aroclor-1248 {2} | 5.86 | 6.29 | 783.7E6 | 1539.9E6 | 165.334 | 218.643 # |
| 25) L6 Aroclor-1248 {3} | 6.19 | 6.71 | 794.3E6 | 1152.4E6 | 149.973 | 222.530 # |
| 26) L6 Aroclor-1248 {4} | 6.92 | 6.87 | 2131.0E6 | 790.2E6 | 224.353 | 179.004 |
| 27) L6 Aroclor-1248 {5} | 7.20 | 7.22 | 1763.4E6 | 528.1E6 | 216.008 | 217.160 |
| Sum Aroclor-1248 | | | 6167.9E6 | 4578.3E6 | 836.992 | 948.260 |
| Average Aroclor-1248 | | | | | 167.398 | 189.652 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| 33) L8 Aroclor-1260 | 9.25 | 8.76 | 3772.5E6 | 1141.5E6 | 169.449 | 235.111m# |
| 34) L8 Aroclor-1260 {2} | 9.94 | 9.17 | 1486.7E6 | 1080.0E6 | 150.235 | 192.223m# |
| 35) L8 Aroclor-1260 {3} | 10.41 | 10.38 | 4412.2E6 | 743.6E6 | 134.914 | 176.112m# |
| 36) L8 Aroclor-1260 {4} | 10.91 | 10.89 | 1953.6E6 | 1408.2E6 | 137.341 | 159.182m |
| 37) L8 Aroclor-1260 {5} | 11.98 | 11.48 | 1379.9E6 | 1143.5E6 | 208.637 | 176.404m |
| Sum Aroclor-1260 | | | 13004.9E6 | 5516.7E6 | 800.575 | 939.032 |
| Average Aroclor-1260 | | | | | 160.115 | 187.806 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2218.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 15:49
Operator : IB
Sample : R-46_(2.0-,07070-015,S,5.64g,16.0,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:03:11 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|

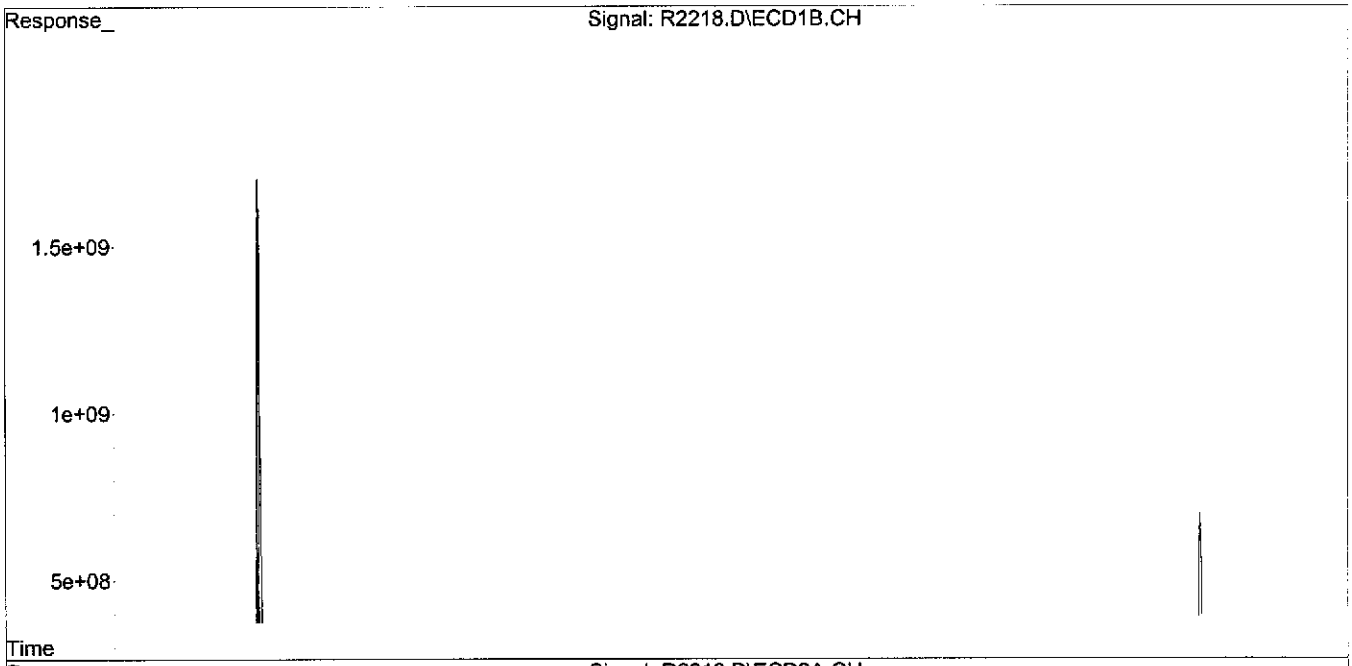
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

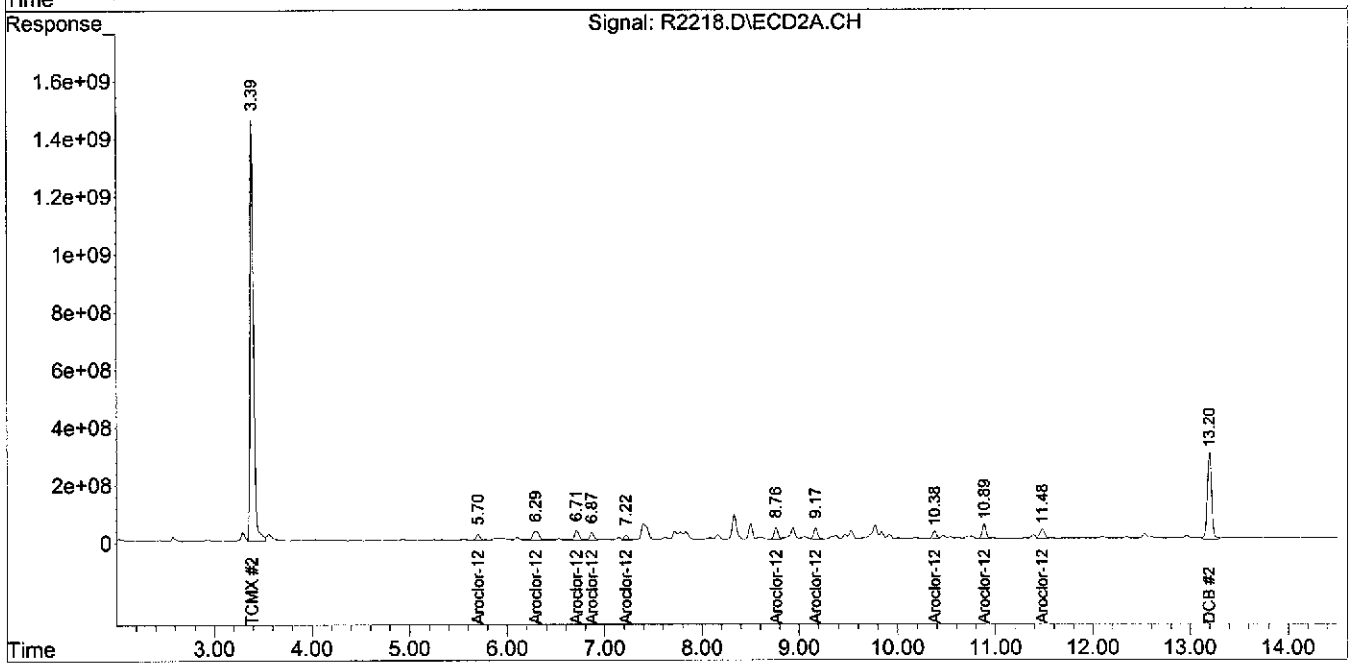
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2218.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 15:49
Operator : IB
Sample : R-46_(2.0-,07070-015,S,5.64g,16.0,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1
ALS Vial : 50 Sample Multiplier: 1

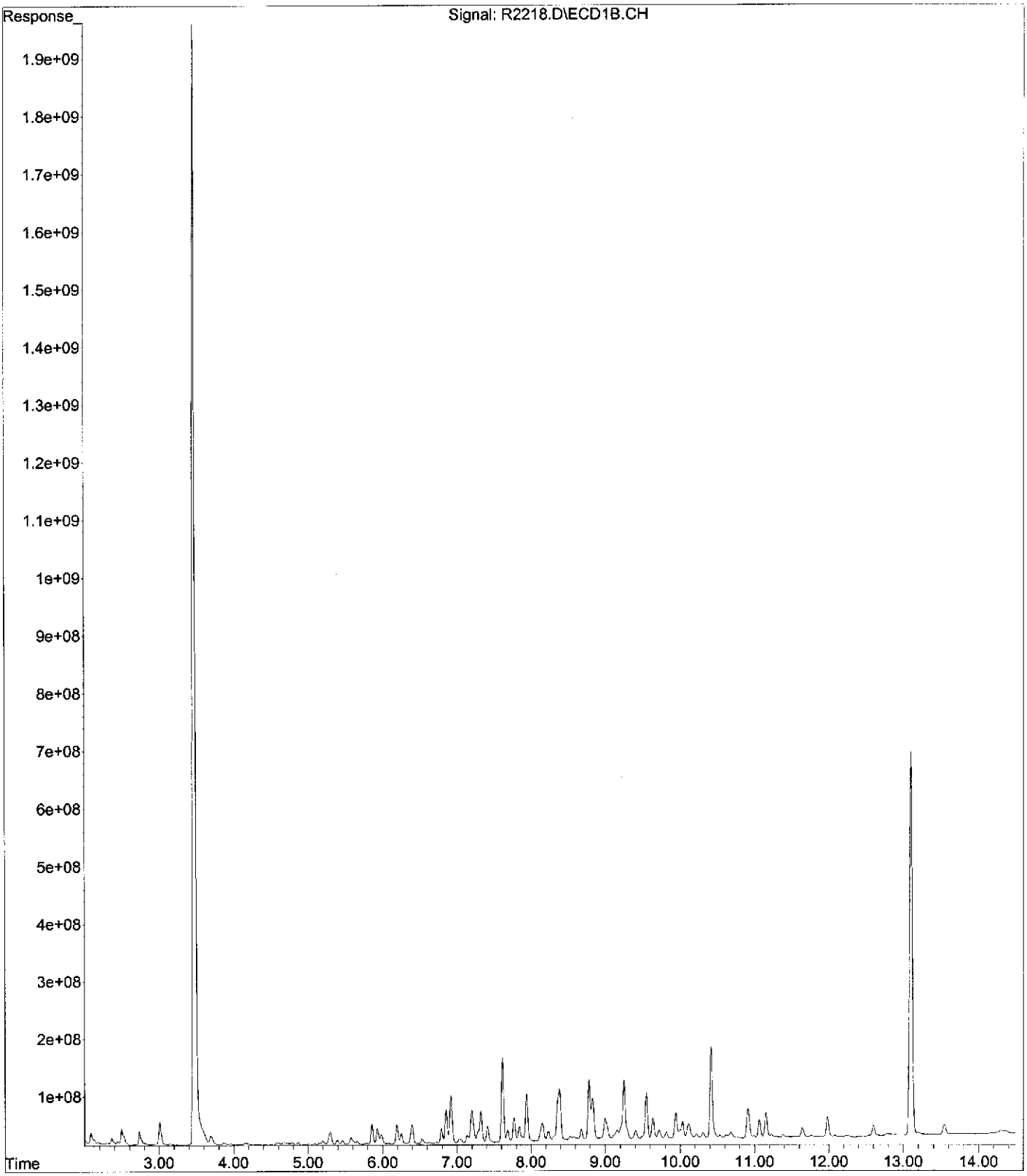
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:03:11 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



File : C:\MSDCHEM\1\DATA\07-31-12\R2218.D
Operator : IB
Acquired : 31 Jul 2012 15:49 using AcqMethod RPCB0725.M
Instrument : GC_R
Sample Name: R-46_(2.0-,07070-015,S,5.64g,16.0,07/23/12,4
Misc Info : 120723-12,07/16/12,07/16/12,1
Vial Number: 50



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2219.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 16:07
Operator : IB
Sample : R-46_(4.0-,07070-016,S,5.35g,46.4,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 13:49:08 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 3.47 | 3.39 | 51724.0E6 | 43149.6E6 | 293.336 | 318.198m |
| Spiked Amount 200.000 | | | Recovery | = | 146.67% | 159.10% |
| 2) S DCB | 13.10 | 13.20 | 21724.3E6 | 11586.8E6 | 280.451 | 334.015 |
| Spiked Amount 200.000 | | | Recovery | = | 140.23% | 167.01% |
| 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 |

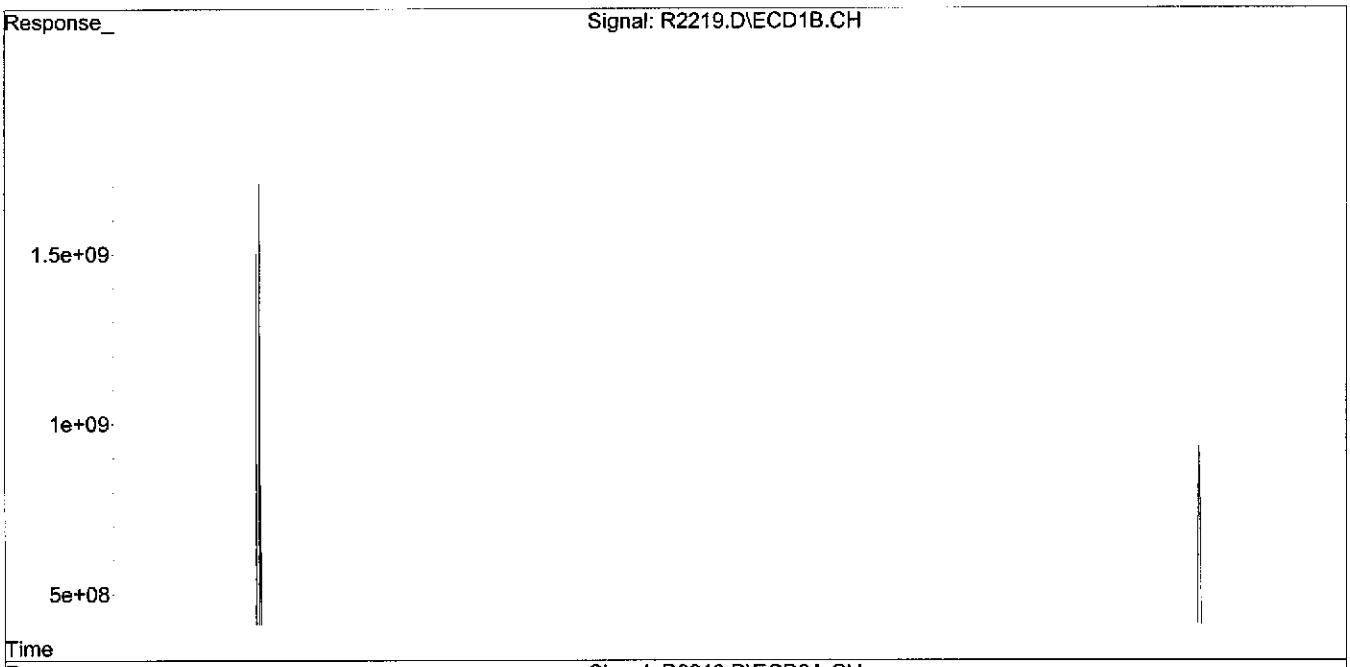
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

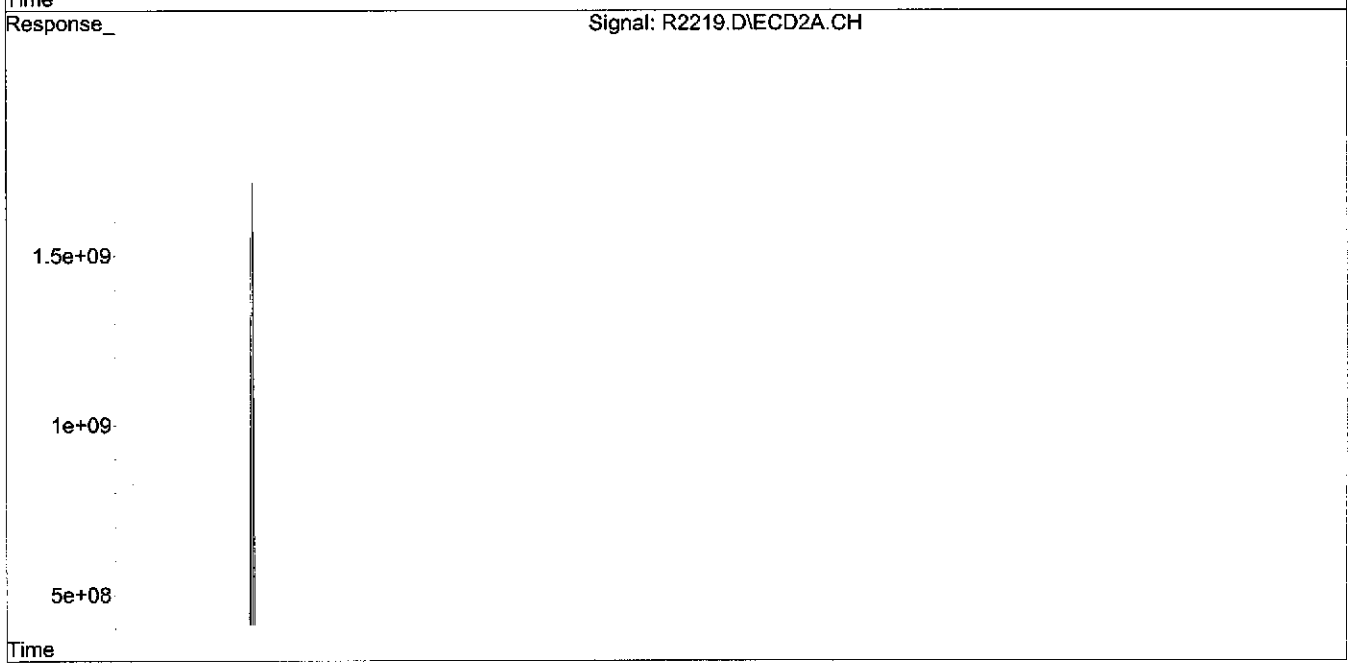
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2219.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 16:07
Operator : IB
Sample : R-46_(4.0-,07070-016,S,5.35g,46.4,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1
ALS Vial : 51 Sample Multiplier: 1

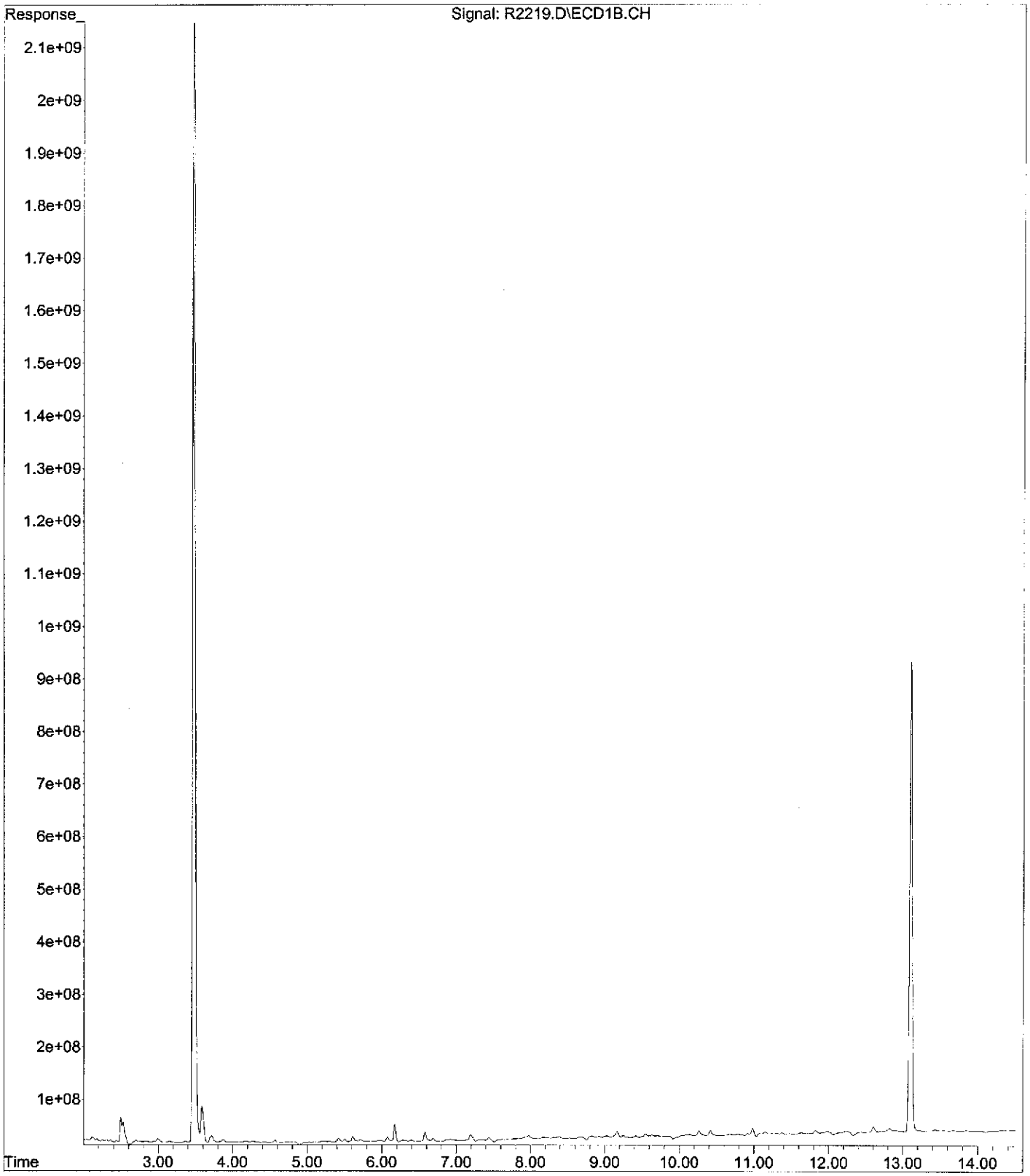
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 13:49:08 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

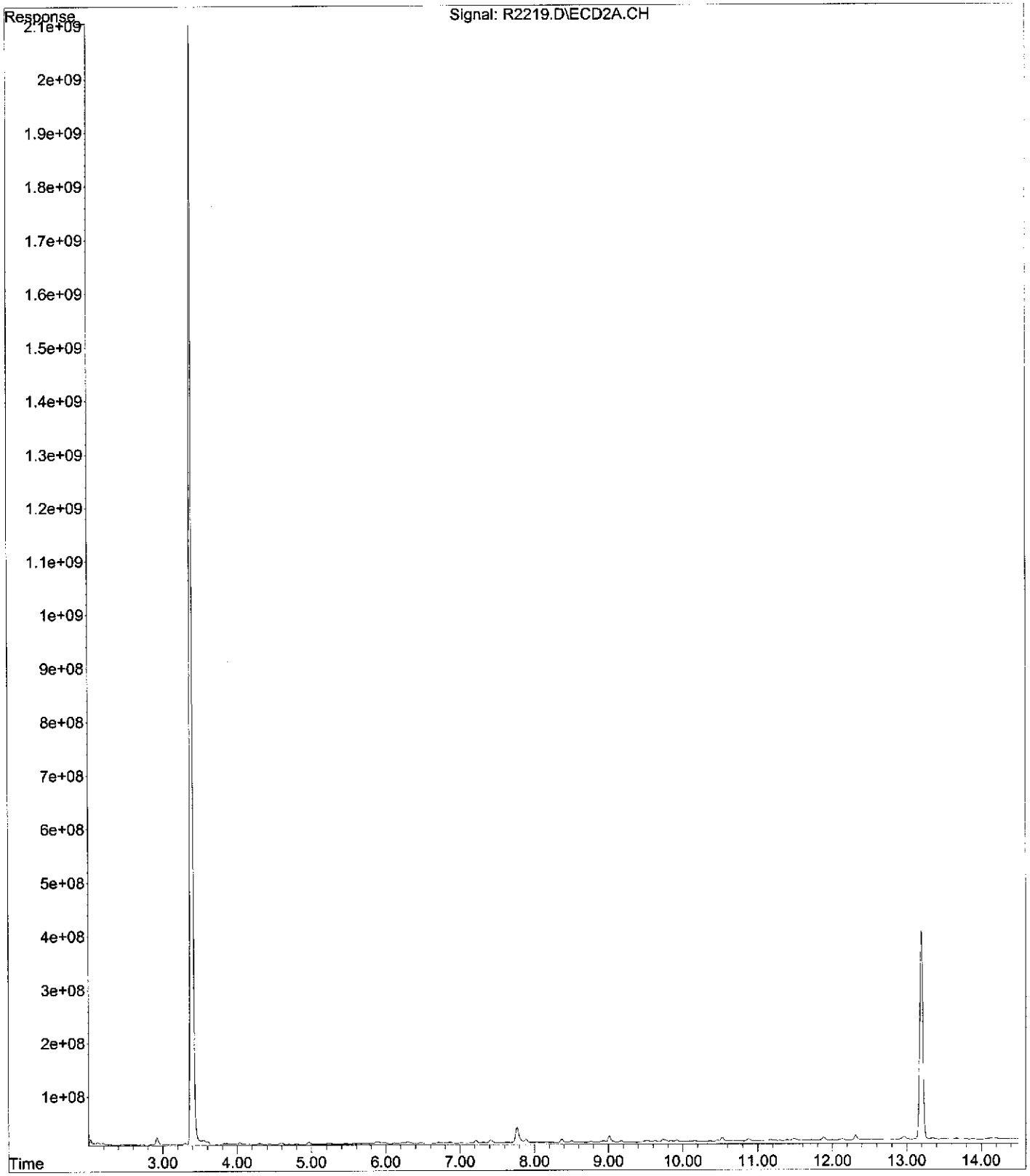


File :C:\MSDCHEM\1\DATA\07-31-12\R2219.D
Operator : IB
Acquired : 31 Jul 2012 16:07 using AcqMethod RPCB0725.M
Instrument : GC_R
Sample Name: R-46_(4.0-,07070-016,S,5.35g,46.4,07/23/12,4
Misc Info : 120723-12,07/16/12,07/16/12,1
Vial Number: 51



File :C:\MSDCHEM\1\DATA\07-31-12\R2219.D
Operator : IB
Acquired : 31 Jul 2012 16:07 using AcqMethod RPCB0725.M
Instrument : GC_R
Sample Name: R-46_(4.0-,07070-016,S,5.35g,46.4,07/23/12,4
Misc Info : 120723-12,07/16/12,07/16/12,1
Vial Number: 51



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2220.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 16:24
Operator : IB
Sample : P-47_(0-2.,07070-017,S,5.46g,20.7,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,5
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:04:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 3.47 | 3.39 | 11162.9E6 | 8329.1E6 | 63.307 | 61.421 |
| Spiked Amount 200.000 | | | Recovery | = | 31.65% | 30.71% |
| 2) S DCB | 13.10 | 13.19 | 3594.8E6 | 1932.6E6 | 46.407 | 55.710m |
| Spiked Amount 200.000 | | | Recovery | = | 23.20% | 27.86% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 5.30 | 5.70 | 7761.3E6 | 5642.7E6 | 907.444 | 1102.346 |
| 24) L6 Aroclor-1248 {2} | 5.86 | 6.31 | 5358.8E6 | 10486.1E6 | 1130.545 | 1488.915 # |
| 25) L6 Aroclor-1248 {3} | 6.19 | 6.71 | 7747.9E6 | 8556.2E6 | 1462.858 | 1652.165 |
| 26) L6 Aroclor-1248 {4} | 6.92 | 6.87 | 16070.1E6 | 6496.6E6 | 1691.886 | 1471.761 |
| 27) L6 Aroclor-1248 {5} | 7.20 | 7.22 | 11596.1E6 | 3450.8E6 | 1420.492 | 1419.051 |
| Sum Aroclor-1248 | | | 48534.2E6 | 34632.5E6 | 6613.225 | 7134.237 |
| Average Aroclor-1248 | | | | | 1322.645 | 1426.847 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

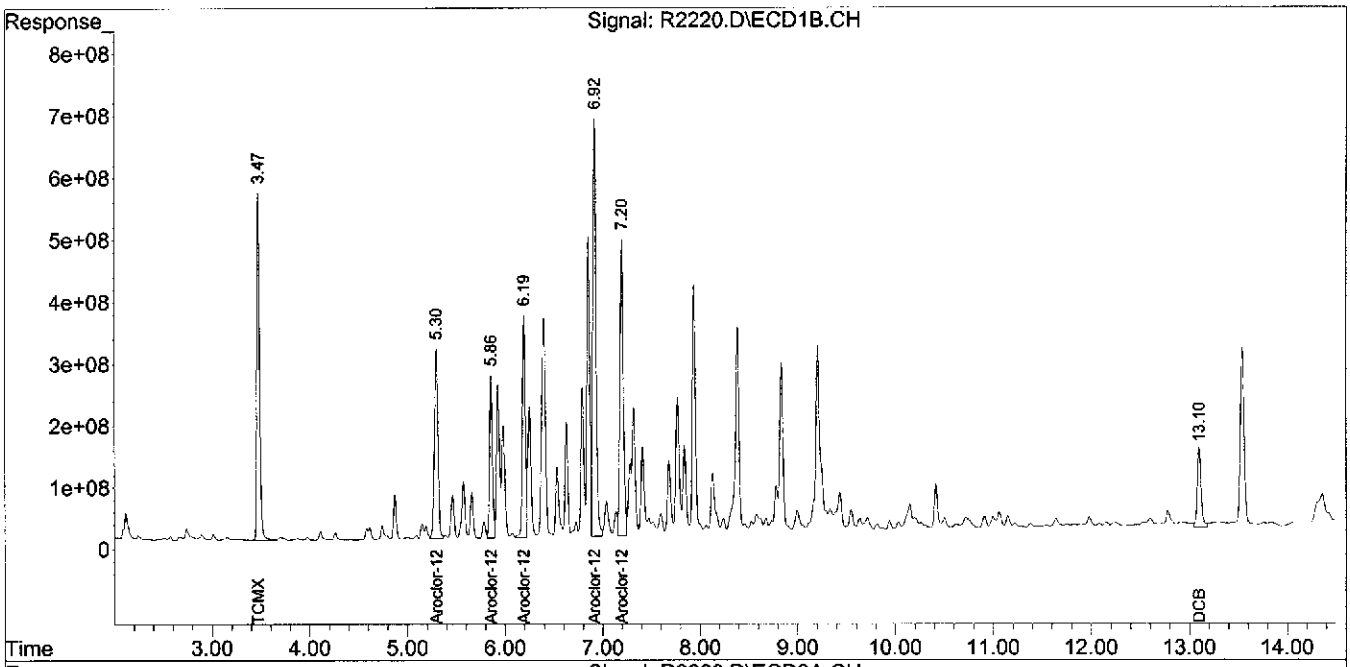
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

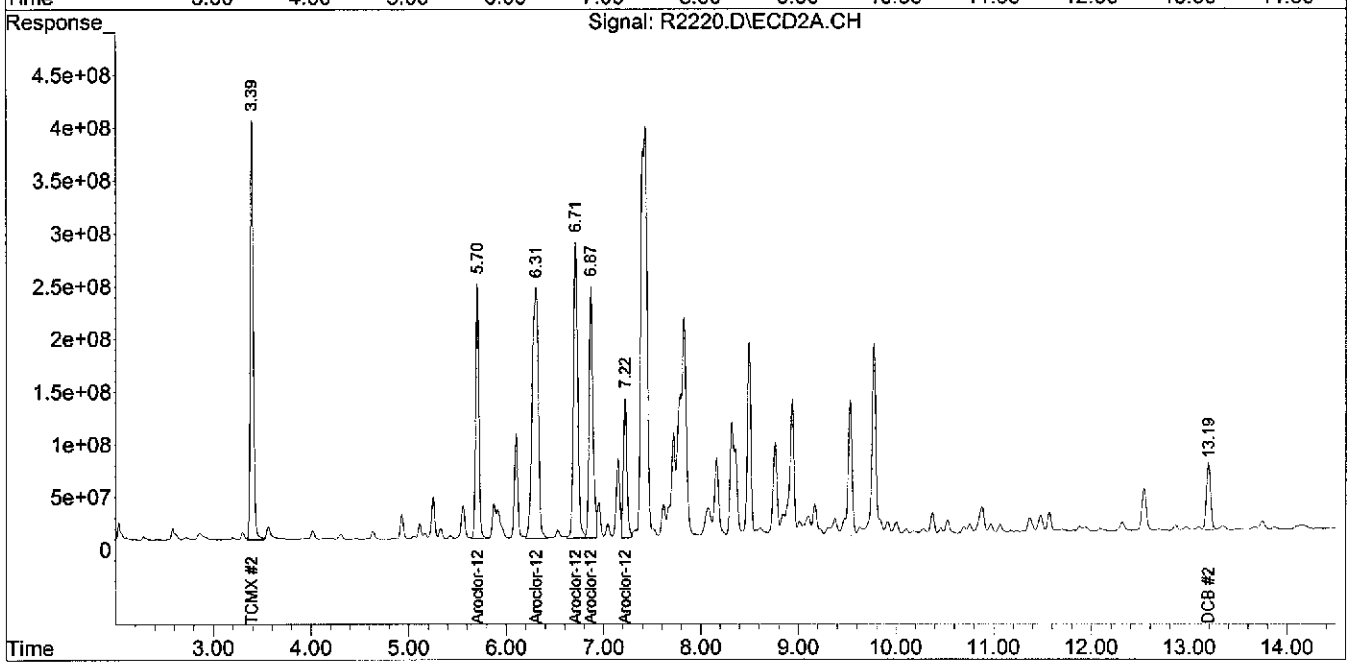
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2220.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 16:24
Operator : IB
Sample : P-47_(0-2.,07070-017,S,5.46g,20.7,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,5
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:04:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2221.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 16:42
Operator : IB
Sample : P-47_(2.0-,07070-018,S,5.30g,14.9,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:06:38 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 3.47 | 3.39 | 42292.5E6 | 35886.3E6 | 239.849 | 264.636 |
| Spiked Amount 200.000 | | | Recovery | = | 119.92% | 132.32% |
| 2) S DCB | 13.10 | 13.20 | 15234.1E6 | 8391.1E6 | 196.666 | 241.891 |
| Spiked Amount 200.000 | | | Recovery | = | 98.33% | 120.95% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 5.30 | 5.70 | 624.1E6 | 364.5E6 | 72.966 | 71.205m |
| 24) L6 Aroclor-1248 {2} | 5.86 | 6.29 | 437.9E6 | 429.5E6 | 92.387 | 60.987m# |
| 25) L6 Aroclor-1248 {3} | 6.19 | 6.71 | 637.4E6 | 559.1E6 | 120.354 | 107.970m |
| 26) L6 Aroclor-1248 {4} | 6.92 | 6.87 | 930.9E6 | 362.2E6 | 98.010 | 82.043m |
| 27) L6 Aroclor-1248 {5} | 7.19 | 7.22 | 998.3E6 | 365.0E6 | 122.293 | 150.082m |
| Sum Aroclor-1248 | | | 3628.7E6 | 2080.3E6 | 506.010 | 472.286 |
| Average Aroclor-1248 | | | | | 101.202 | 94.457 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

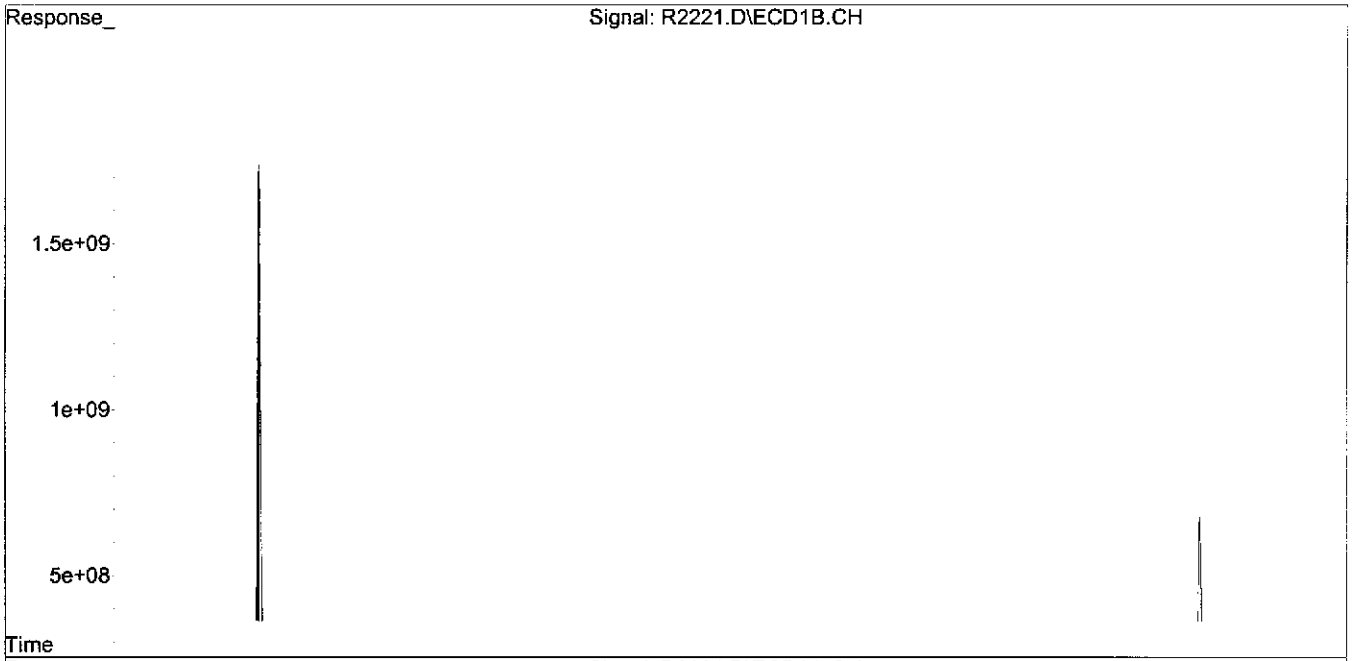
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

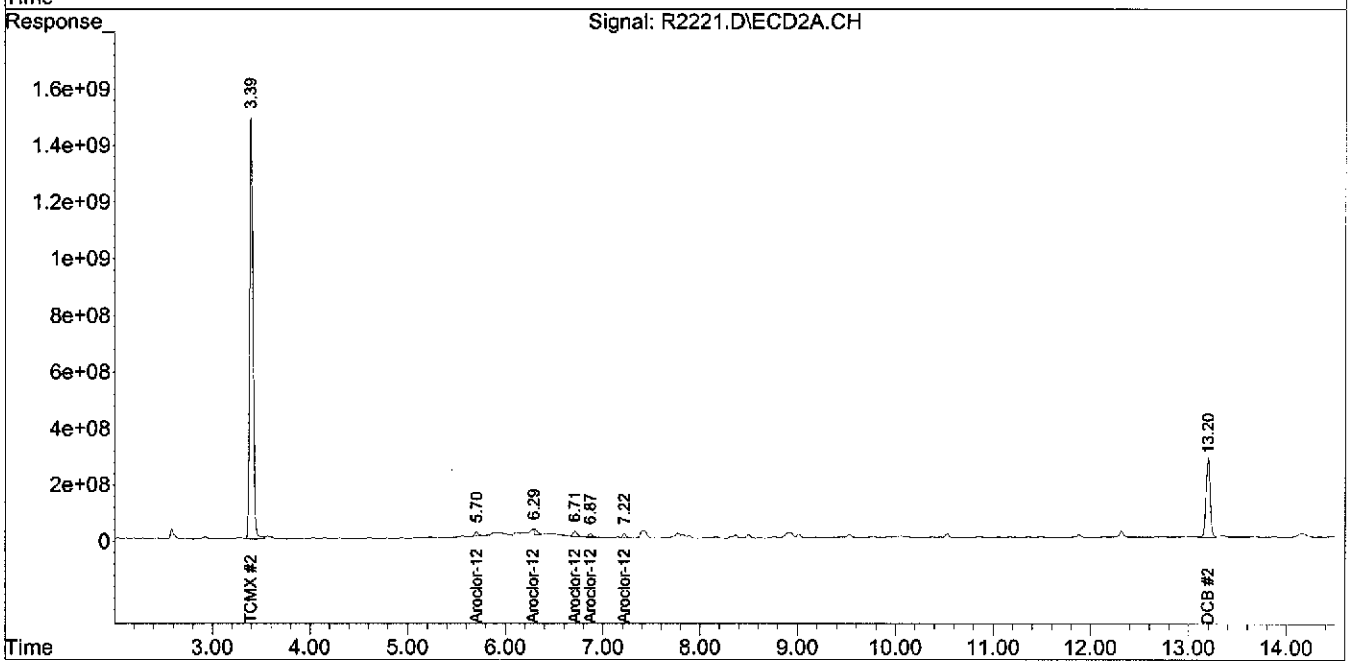
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2221.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 16:42
Operator : IB
Sample : P-47_(2.0-,07070-018,S,5.30g,14.9,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1
ALS Vial : 53 Sample Multiplier: 1

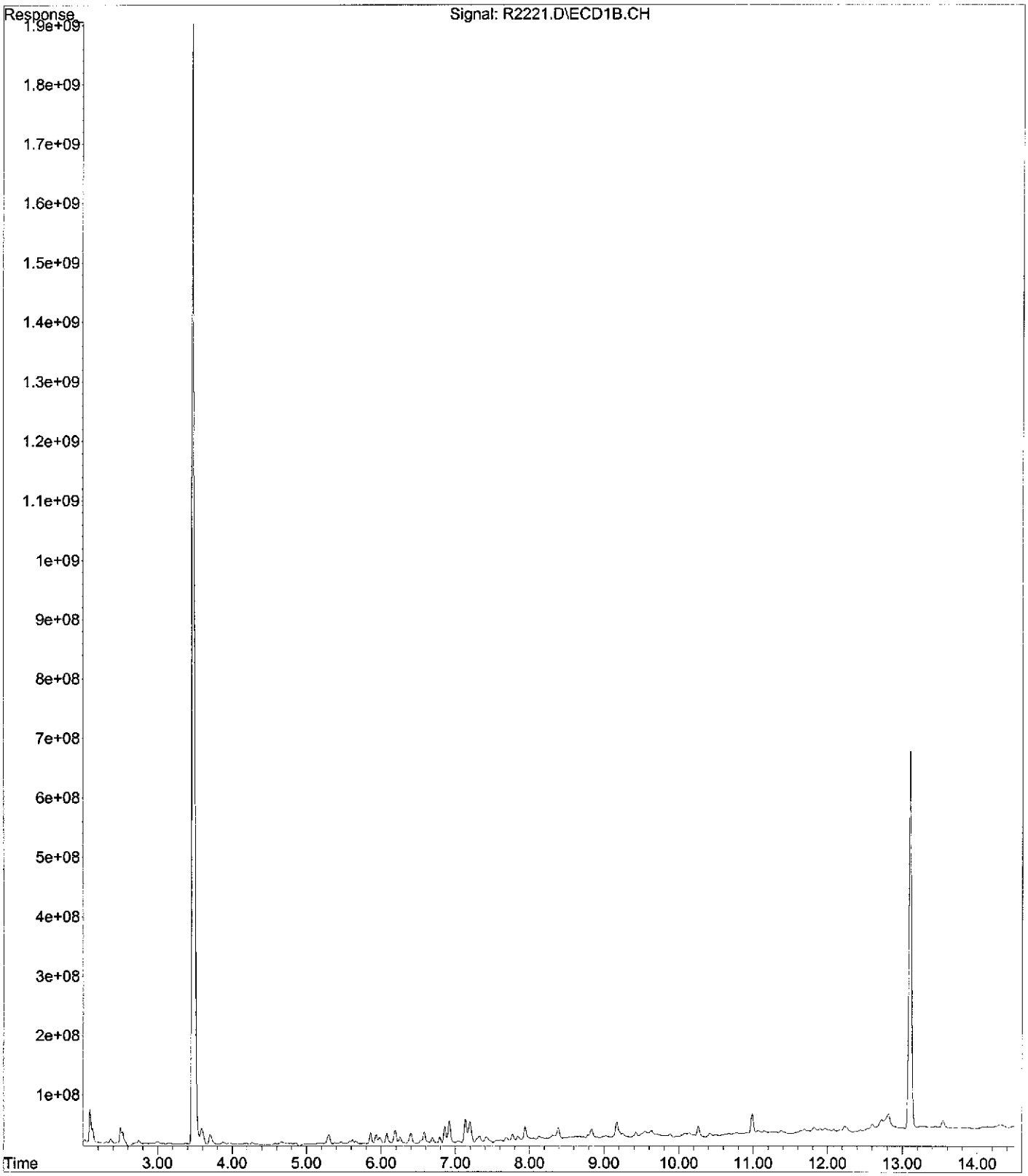
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:06:38 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



File :C:\MSDCHEM\1\DATA\07-31-12\R2221.D
Operator : IB
Acquired : 31 Jul 2012 16:42 using AcqMethod RPCB0725.M
Instrument : GC_R
Sample Name: P-47_(2.0-,07070-018,S,5.30g,14.9,07/23/12,4
Misc Info : 120723-12,07/16/12,07/16/12,1
Vial Number: 53



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2222.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 16:59
Operator : IB
Sample : P-47_(4.0-,07070-019,S,5.10g,66.5,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:07:46 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 3.47 | 3.39 | 48405.8E6 | 43280.0E6 | 274.518 | 319.160 |
| Spiked Amount 200.000 | | | Recovery | = | 137.26% | 159.58% |
| 2) S DCB | 13.10 | 13.20 | 18782.2E6 | 10748.6E6 | 242.469 | 309.852 # |
| Spiked Amount 200.000 | | | Recovery | = | 121.23% | 154.93% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1248 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1248 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

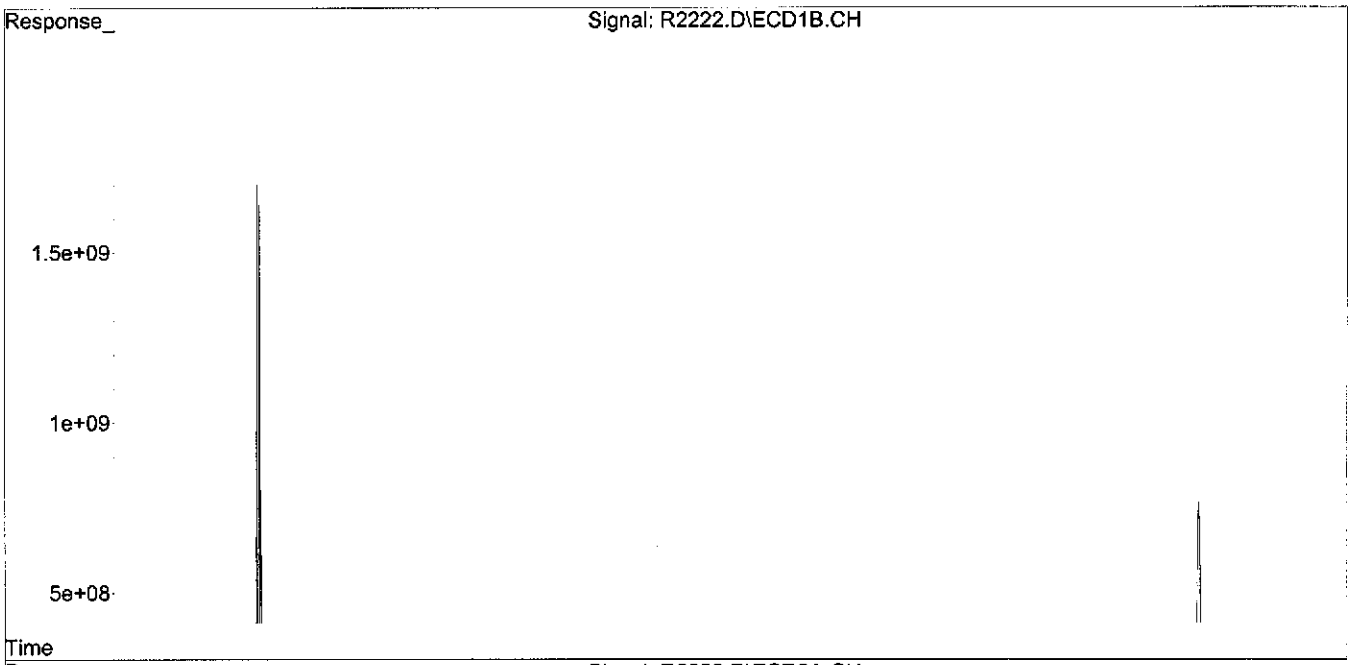
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

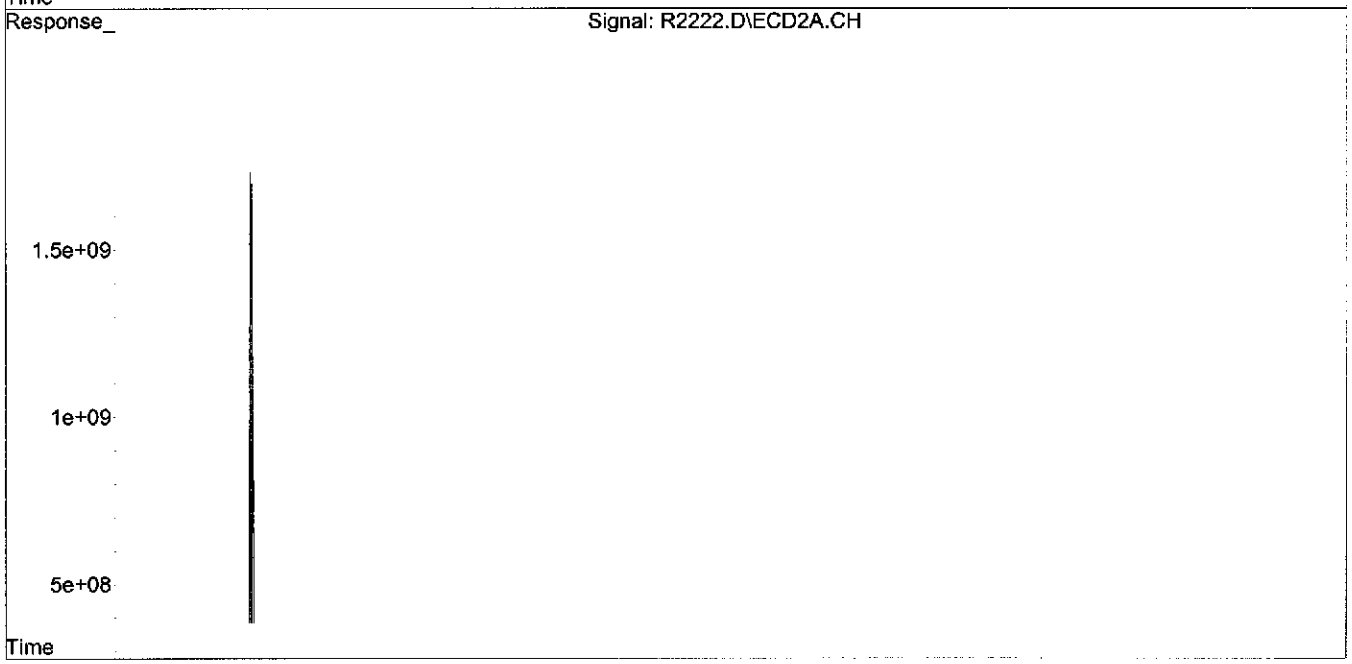
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2222.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 16:59
Operator : IB
Sample : P-47_(4.0-,07070-019,S,5.10g,66.5,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1
ALS Vial : 54 Sample Multiplier: 1

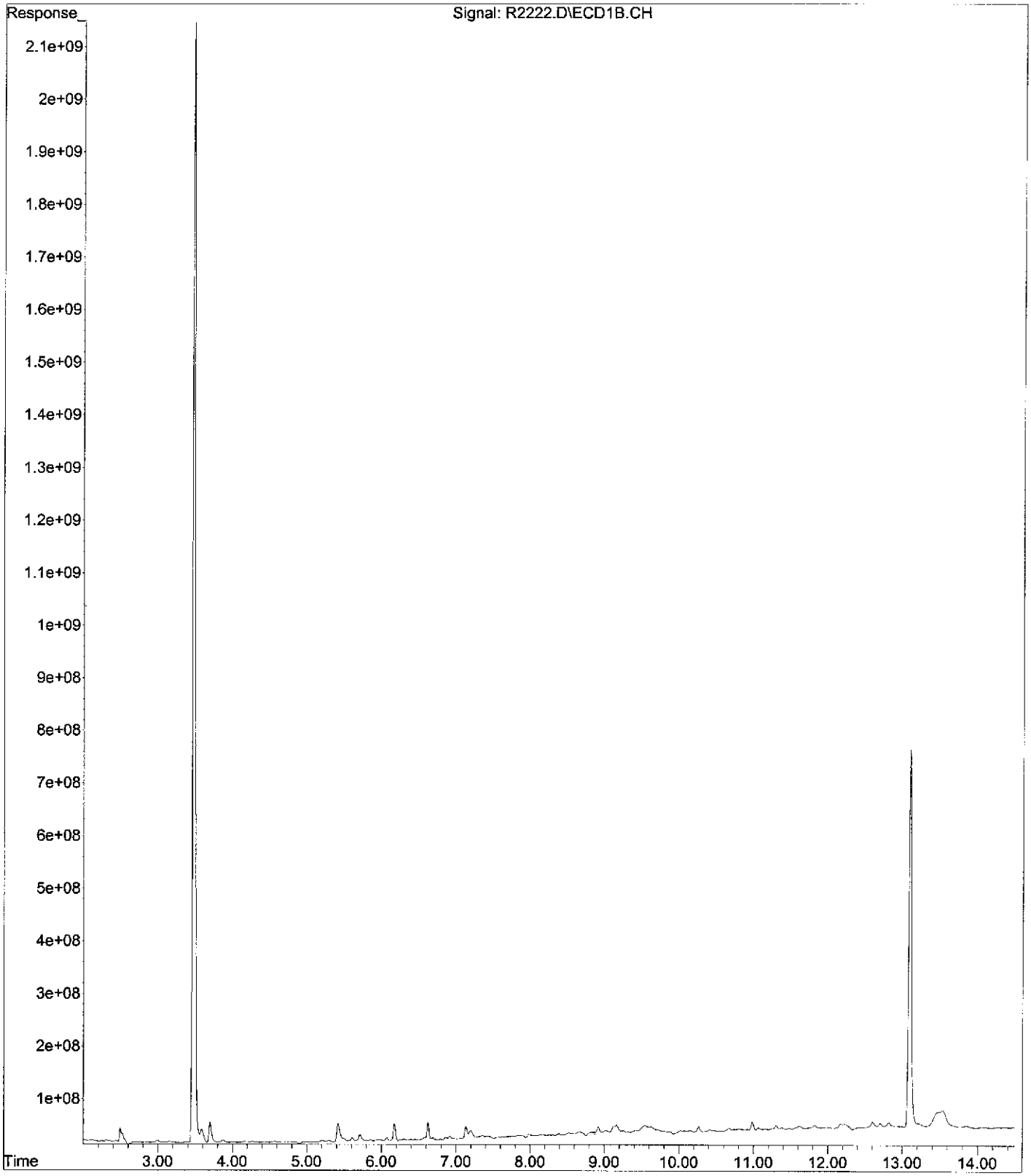
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:07:46 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

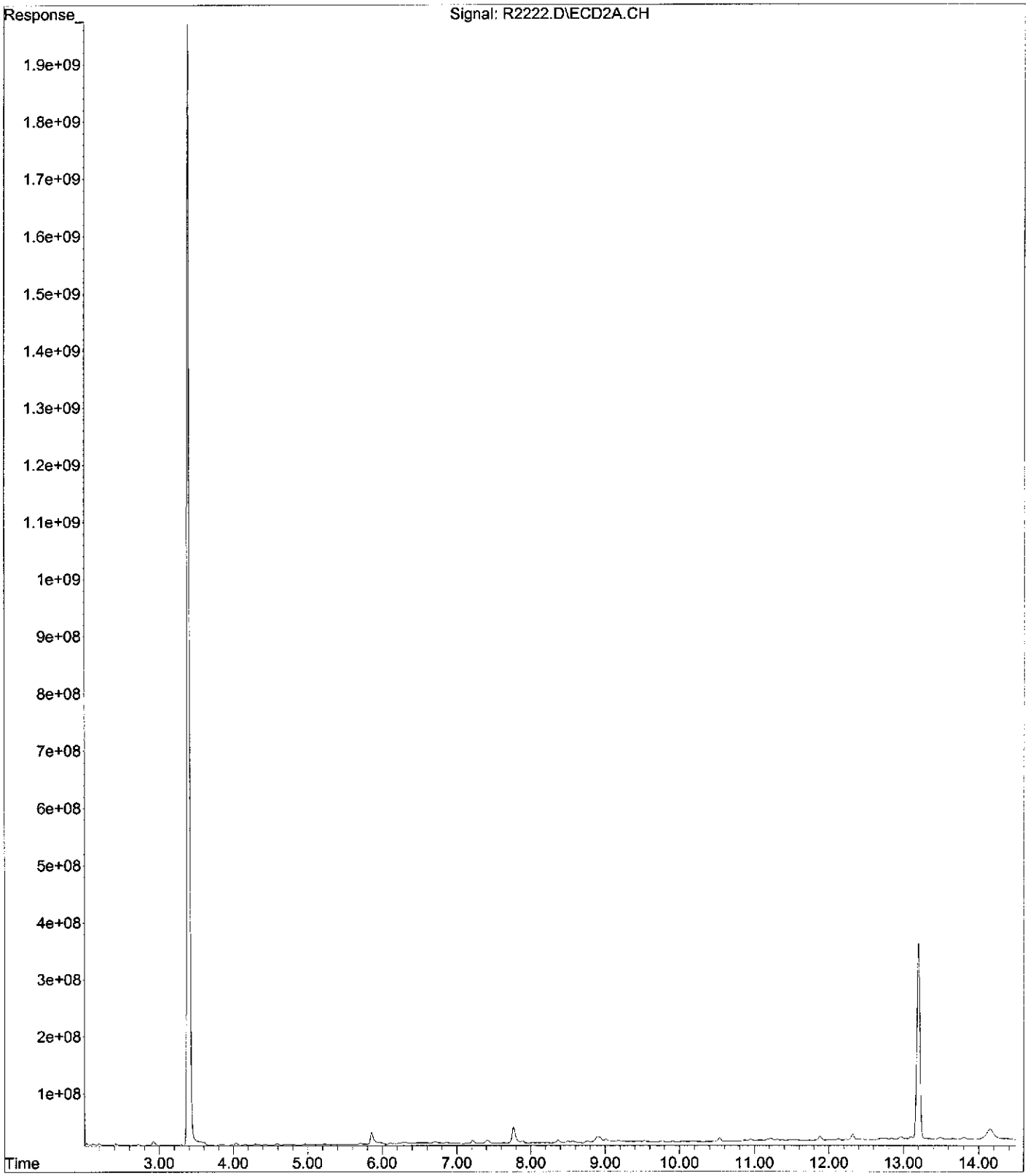


File :C:\MSDCHEM\1\DATA\07-31-12\R2222.D
Operator : IB
Acquired : 31 Jul 2012 16:59 using AcqMethod RPCB0725.M
Instrument : GC_R
Sample Name: P-47_(4.0-,07070-019,S,5.10g,66.5,07/23/12,4
Misc Info : 120723-12,07/16/12,07/16/12,1
Vial Number: 54



File :C:\MSDCHEM\1\DATA\07-31-12\R2222.D
Operator : IB
Acquired : 31 Jul 2012 16:59 using AcqMethod RPCB0725.M
Instrument : GC_R
Sample Name: P-47_(4.0-,07070-019,S,5.10g,66.5,07/23/12,4
Misc Info : 120723-12,07/16/12,07/16/12,1
Vial Number: 54



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2223.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 17:17
Operator : IB
Sample : O-43_(0-2.,07070-020,S,5.26g,11.8,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,2
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:08:31 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 3.47 | 3.39 | 23585.0E6 | 17960.8E6 | 133.755 | 132.448 |
| Spiked Amount 200.000 | | | Recovery | = | 66.88% | 66.22% |
| 2) S DCB | 13.10 | 13.20 | 7824.0E6 | 5164.2E6 | 101.004 | 148.869 # |
| Spiked Amount 200.000 | | | Recovery | = | 50.50% | 74.43% |
| 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 |
| 23) L6 Aroclor-1248 | 5.30 | 5.70 | 9893.3E6 | 7135.1E6 | 1156.720 | 1393.883 |
| 24) L6 Aroclor-1248 {2} | 5.86 | 6.30 | 8278.5E6 | 9834.8E6 | 1746.508 | 1396.435m |
| 25) L6 Aroclor-1248 {3} | 6.19 | 6.71 | 9296.4E6 | 11137.7E6 | 1755.233 | 2150.649 |
| 26) L6 Aroclor-1248 {4} | 6.92 | 6.87 | 19724.7E6 | 8913.4E6 | 2076.652 | 2019.251 |
| 27) L6 Aroclor-1248 {5} | 7.20 | 7.22 | 14750.0E6 | 4633.5E6 | 1806.832 | 1905.376 |
| Sum Aroclor-1248 | | | 61942.9E6 | 41654.4E6 | 8541.946 | 8865.594 |
| Average Aroclor-1248 | | | | | 1708.389 | 1773.119 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

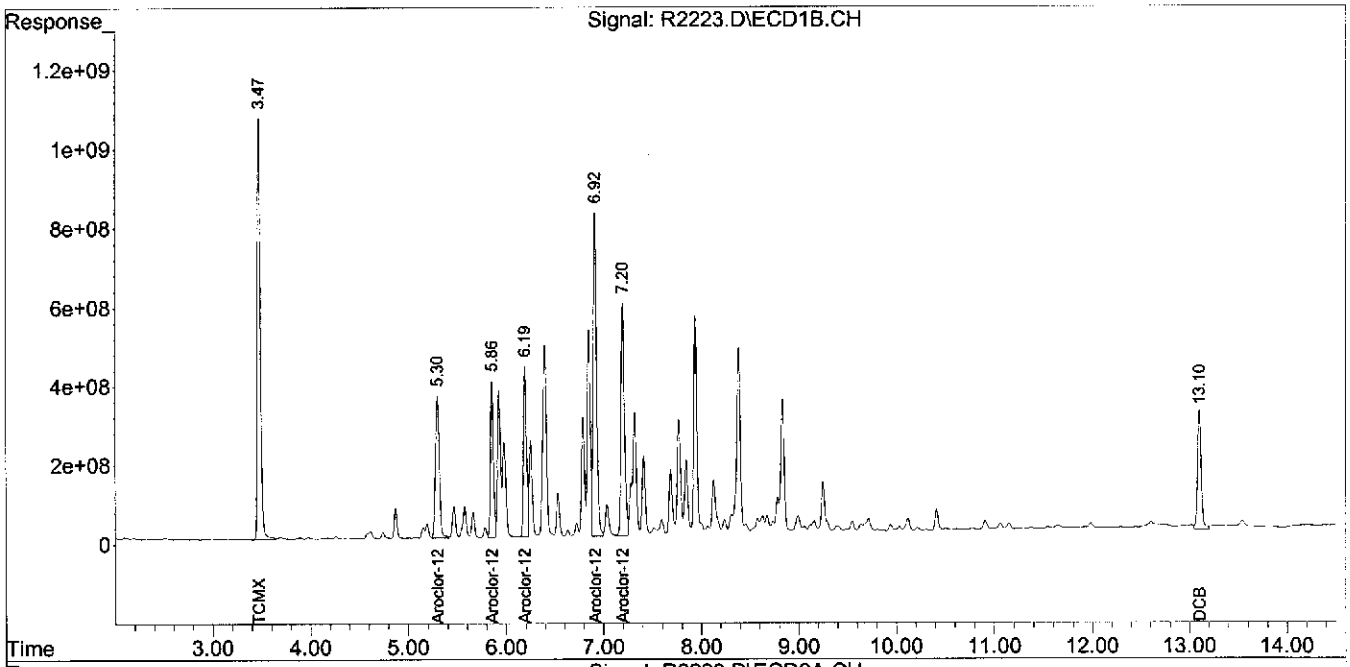
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

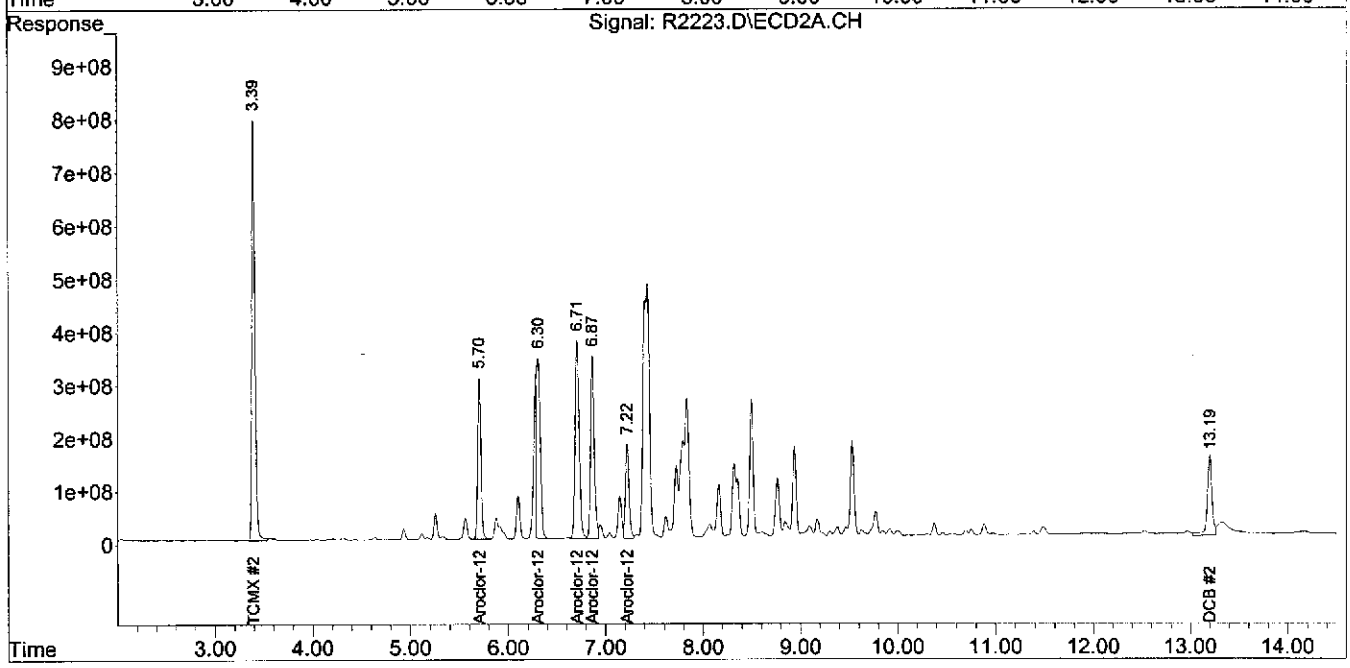
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2223.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 17:17
Operator : IB
Sample : O-43_(0-2.,07070-020,S,5.26g,11.8,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,2
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:08:31 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2224.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 17:34
Operator : IB
Sample : O-43_(2.0-,07070-021,S,5.41g,26.6,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,100
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 14:07:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1248 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1248 | | | | | 0.000 | 0.000 |
| 28) L7 Aroclor-1254 | 7.32 | 7.72 | 9941.6E6 | 4774.0E6 | 883.579 | 1042.337 |
| 29) L7 Aroclor-1254 {2} | 7.77 | 8.32 | 6385.6E6 | 5565.3E6 | 864.072 | 1124.849 # |
| 30) L7 Aroclor-1254 {3} | 7.94 | 8.76 | 12284.6E6 | 3470.1E6 | 933.998 | 1079.771 |
| 31) L7 Aroclor-1254 {4} | 8.39 | 8.94 | 17576.6E6 | 5998.7E6 | 1037.499 | 1231.895 |
| 32) L7 Aroclor-1254 {5} | 9.25 | 9.77 | 16814.9E6 | 7546.1E6 | 995.840 | 1178.618 |
| Sum Aroclor-1254 | | | 63003.3E6 | 27354.2E6 | 4714.988 | 5657.470 |
| Average Aroclor-1254 | | | | | 942.998 | 1131.494 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

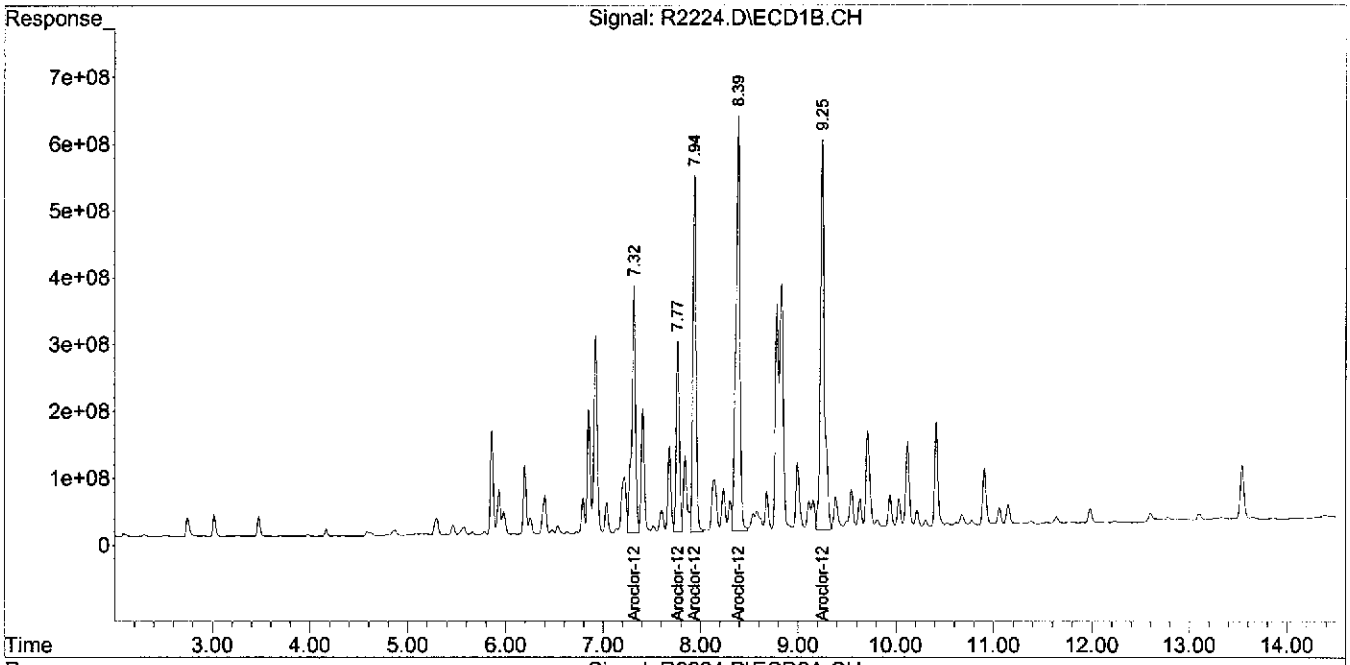
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

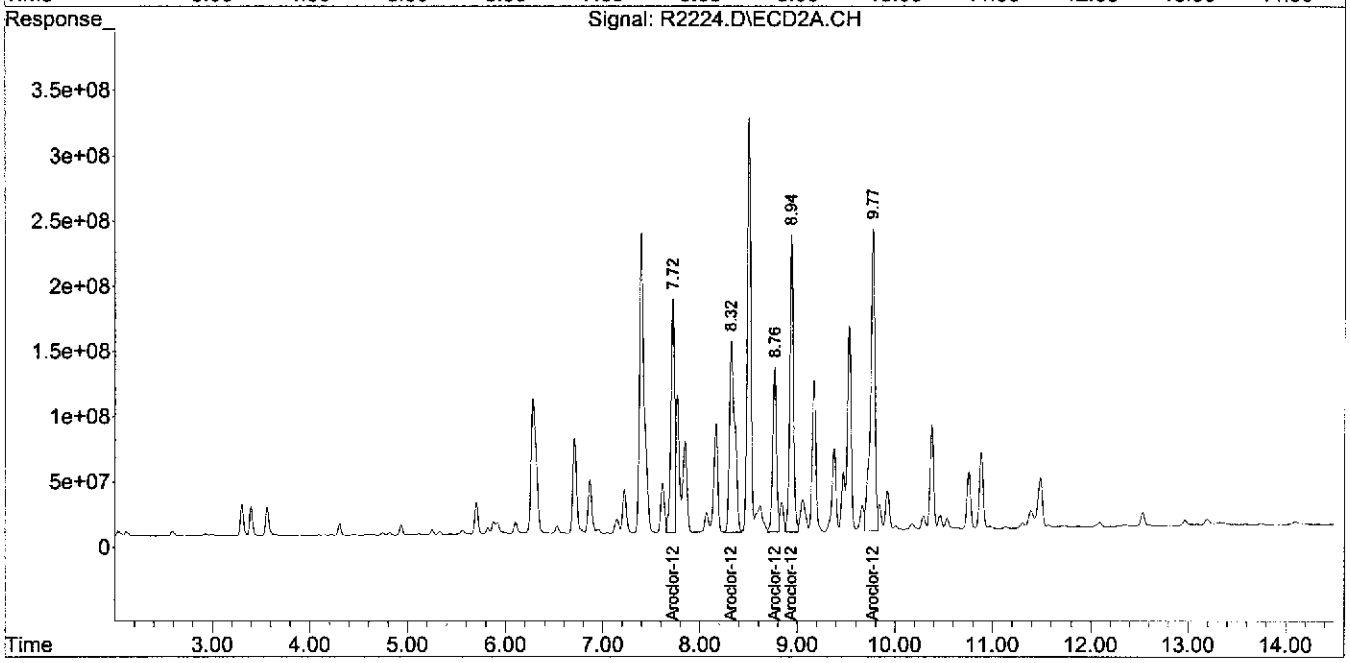
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2224.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 17:34
Operator : IB
Sample : O-43_(2.0-,07070-021,S,5.41g,26.6,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,100
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 14:07:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2225.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 17:52
Operator : IB
Sample : O-43_(4.0-,07070-022,S,5.14g,33.0,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,10
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:13:29 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 3.47 | 3.39 | 5398.9E6 | 4181.7E6 | 30.618m | 30.837 |
| Spiked Amount 200.000 | | | Recovery | = | 15.31% | 15.42% |
| 2) S DCB | 13.10 | 13.20 | 1983.0E6 | 1053.1E6 | 25.600m | 30.358m |
| Spiked Amount 200.000 | | | Recovery | = | 12.80% | 15.18% |
| 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 | 7.32 | 7.72 | 11114.6E6 | 5241.6E6 | 987.827 | 1144.435m |
| 29) L7 Aroclor-1254 {2} | 7.77 | 8.32 | 6800.8E6 | 4168.1E6 | 920.263 | 842.449 |
| 30) L7 Aroclor-1254 {3} | 7.94 | 8.76 | 13779.2E6 | 6102.8E6 | 1047.629 | 1899.009m# |
| 31) L7 Aroclor-1254 {4} | 8.39 | 8.94 | 22181.3E6 | 6567.5E6 | 1309.298 | 1348.699m |
| 32) L7 Aroclor-1254 {5} | 9.25 | 9.77 | 25247.4E6 | 9076.1E6 | 1495.245 | 1417.584m |
| Sum Aroclor-1254 | | | 79123.3E6 | 31156.1E6 | 5760.262 | 6652.176 |
| Average Aroclor-1254 | | | | | 1152.052 | 1330.435 |
| 33) L8 Aroclor-1260 | 9.25 | 8.76 | 25247.4E6 | 6419.4E6 | 1134.042 | 1322.202 |
| 34) L8 Aroclor-1260 {2} | 9.94 | 9.17 | 6622.3E6 | 6364.1E6 | 669.203 | 1132.690 # |
| 35) L8 Aroclor-1260 {3} | 10.42 | 10.38 | 23969.9E6 | 5106.1E6 | 732.947 | 1209.378 # |
| 36) L8 Aroclor-1260 {4} | 10.91 | 10.88 | 9776.7E6 | 9215.5E6 | 687.303 | 1041.732 # |
| 37) L8 Aroclor-1260 {5} | 11.98 | 11.48 | 6264.6E6 | 6767.9E6 | 947.151 | 1044.083m |
| Sum Aroclor-1260 | | | 71880.9E6 | 33872.9E6 | 4170.646 | 5750.085 |
| Average Aroclor-1260 | | | | | 834.129 | 1150.017 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2225.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 17:52
Operator : IB
Sample : O-43_(4.0-,07070-022,S,5.14g,33.0,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,10
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:13:29 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|

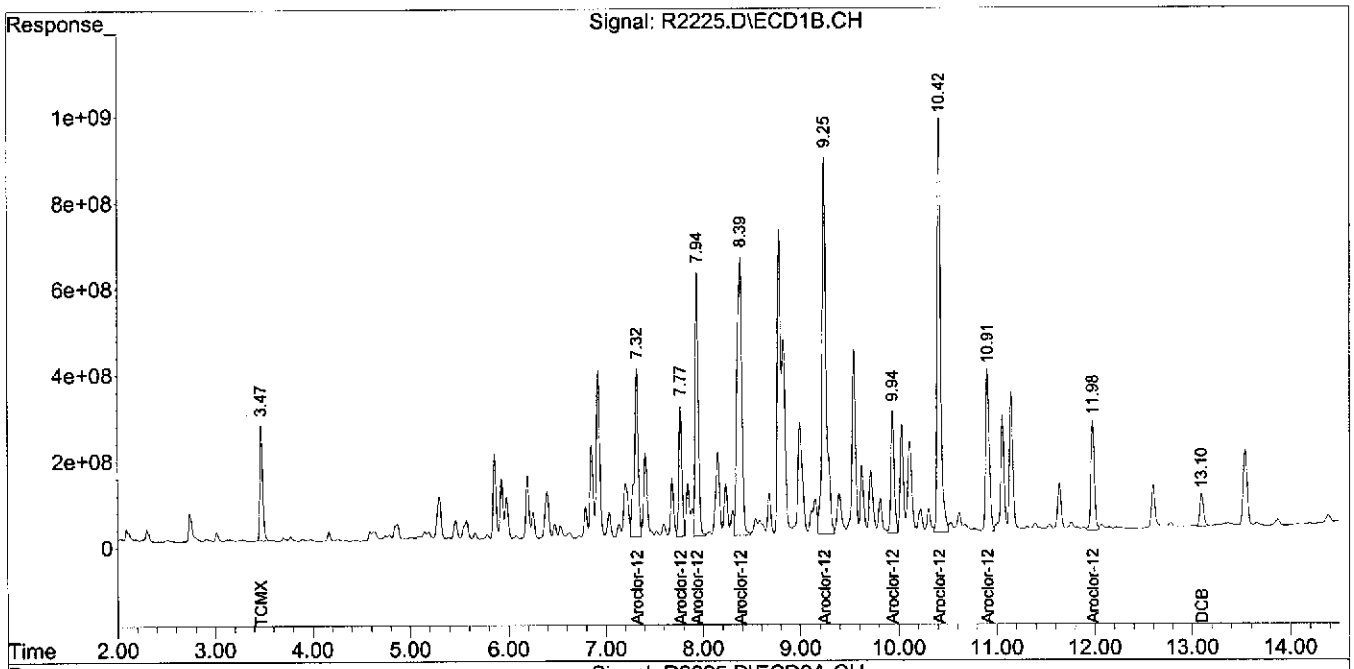
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

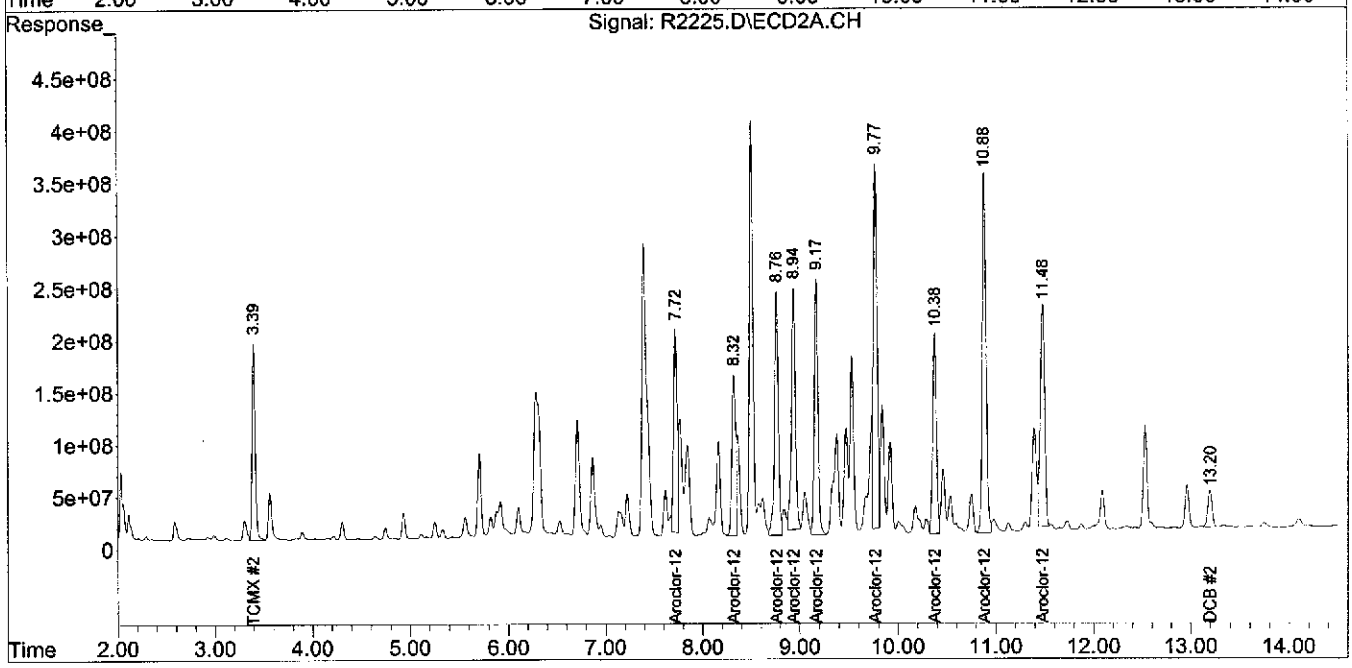
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2225.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 17:52
Operator : IB
Sample : O-43_(4.0-,07070-022,S,5.14g,33.0,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,10
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:13:29 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2226.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 18:09
Operator : IB
Sample : O-43_(6.0-,07070-023,S,5.82g,32.3,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 13:49:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 3.47 | 3.39 | 49175.1E6 | 42978.1E6 | 278.881 | 316.933m |
| Spiked Amount 200.000 | | | Recovery | = | 139.44% | 158.47% |
| 2) S DCB | 13.10 | 13.19 | 21627.3E6 | 11578.4E6 | 279.199 | 333.771 |
| Spiked Amount 200.000 | | | Recovery | = | 139.60% | 166.89% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 5.30 | 5.70 | 3598.9E6 | 2343.4E6 | 420.776 | 457.795m |
| 24) L6 Aroclor-1248 {2} | 5.86 | 6.31 | 2484.7E6 | 5267.5E6 | 524.192 | 747.934m# |
| 25) L6 Aroclor-1248 {3} | 6.19 | 6.71 | 1349.0E6 | 1937.6E6 | 254.695 | 374.149m# |
| 26) L6 Aroclor-1248 {4} | 6.92 | 6.86 | 3614.8E6 | 1596.0E6 | 380.578 | 361.569m |
| 27) L6 Aroclor-1248 {5} | 7.20 | 7.22 | 2453.4E6 | 491.3E6 | 300.540 | 202.036 # |
| Sum Aroclor-1248 | | | 13500.8E6 | 11635.9E6 | 1880.781 | 2143.483 |
| Average Aroclor-1248 | | | | | 376.156 | 428.697 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| 33) L8 Aroclor-1260 | 9.25 | 8.76 | 6348.3E6 | 1556.5E6 | 285.147 | 320.602 |
| 34) L8 Aroclor-1260 {2} | 9.94 | 9.17 | 1202.6E6 | 1661.7E6 | 121.523 | 295.747 # |
| 35) L8 Aroclor-1260 {3} | 10.42 | 10.37 | 6411.9E6 | 901.4E6 | 196.062 | 213.499 |
| 36) L8 Aroclor-1260 {4} | 10.91 | 10.88 | 2667.0E6 | 2518.9E6 | 187.489 | 284.734 # |
| 37) L8 Aroclor-1260 {5} | 11.98 | 11.48 | 2548.9E6 | 2027.5E6 | 385.373 | 312.781 |
| Sum Aroclor-1260 | | | 19178.6E6 | 8666.0E6 | 1175.594 | 1427.362 |
| Average Aroclor-1260 | | | | | 235.119 | 285.472 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2226.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 18:09
Operator : IB
Sample : O-43 (6.0-,07070-023,S,5.82g,32.3,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 13:49:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|

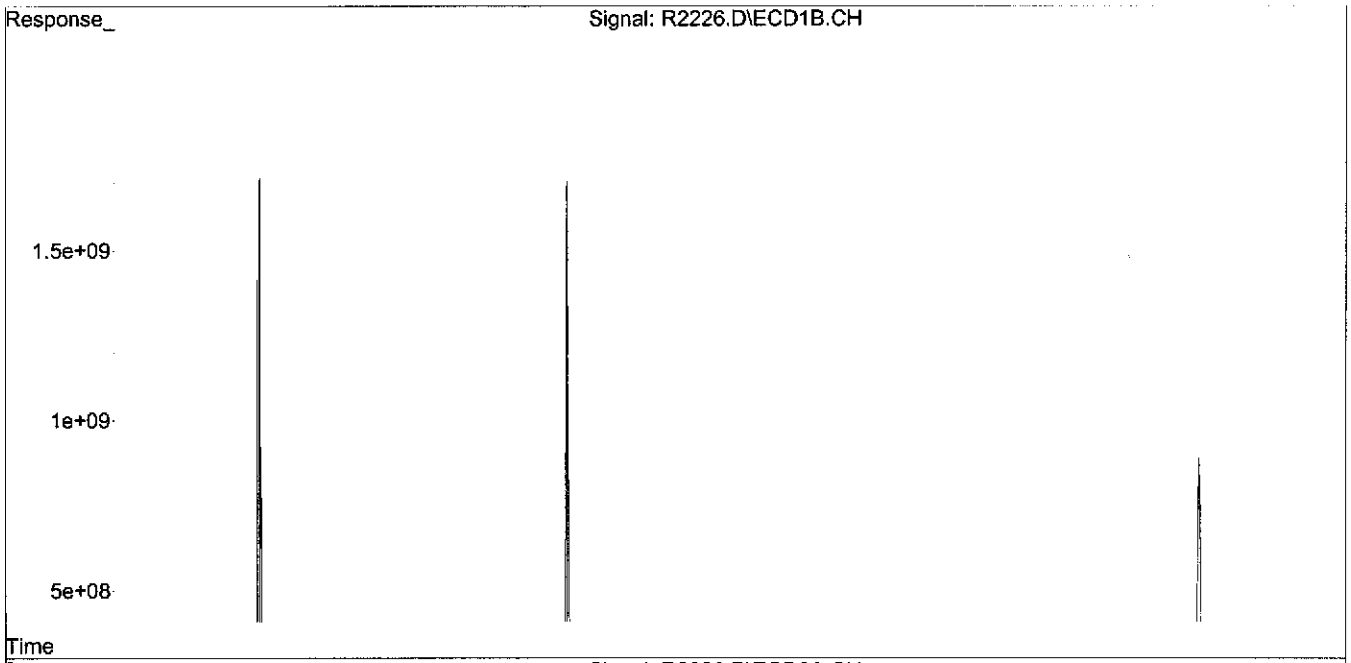
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

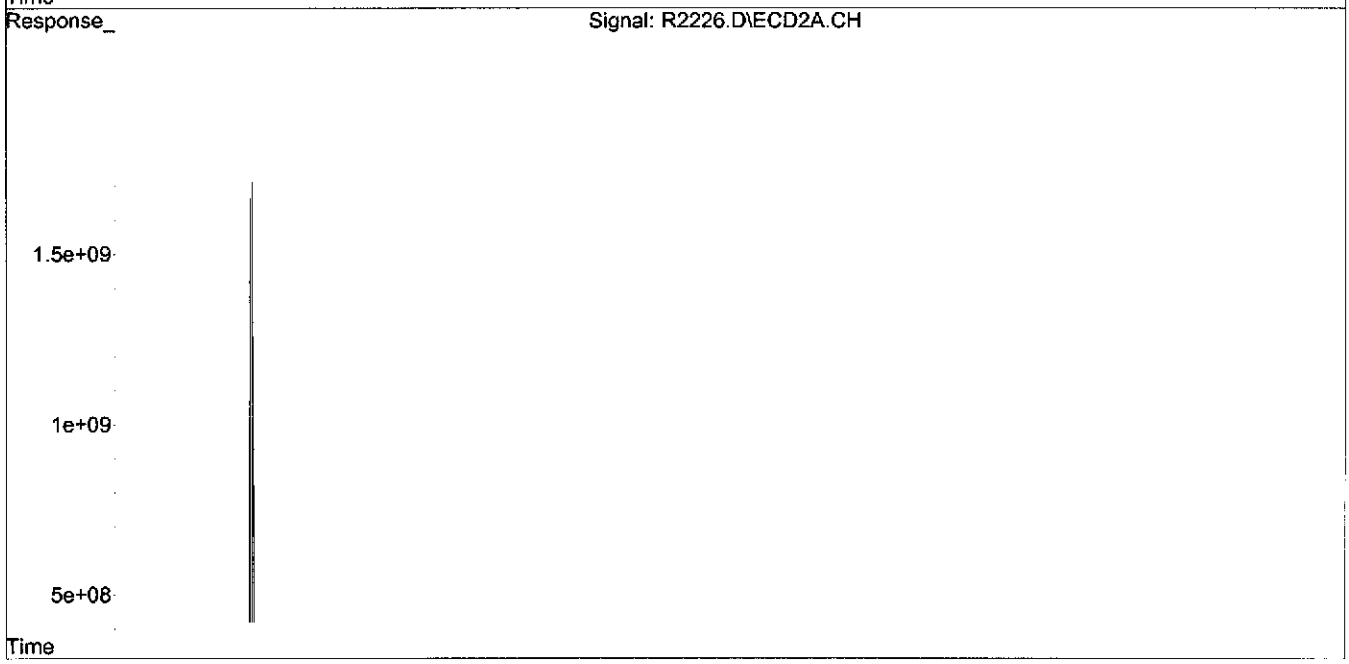
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2226.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 18:09
Operator : IB
Sample : O-43_(6.0-,07070-023,S,5.82g,32.3,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1
ALS Vial : 58 Sample Multiplier: 1

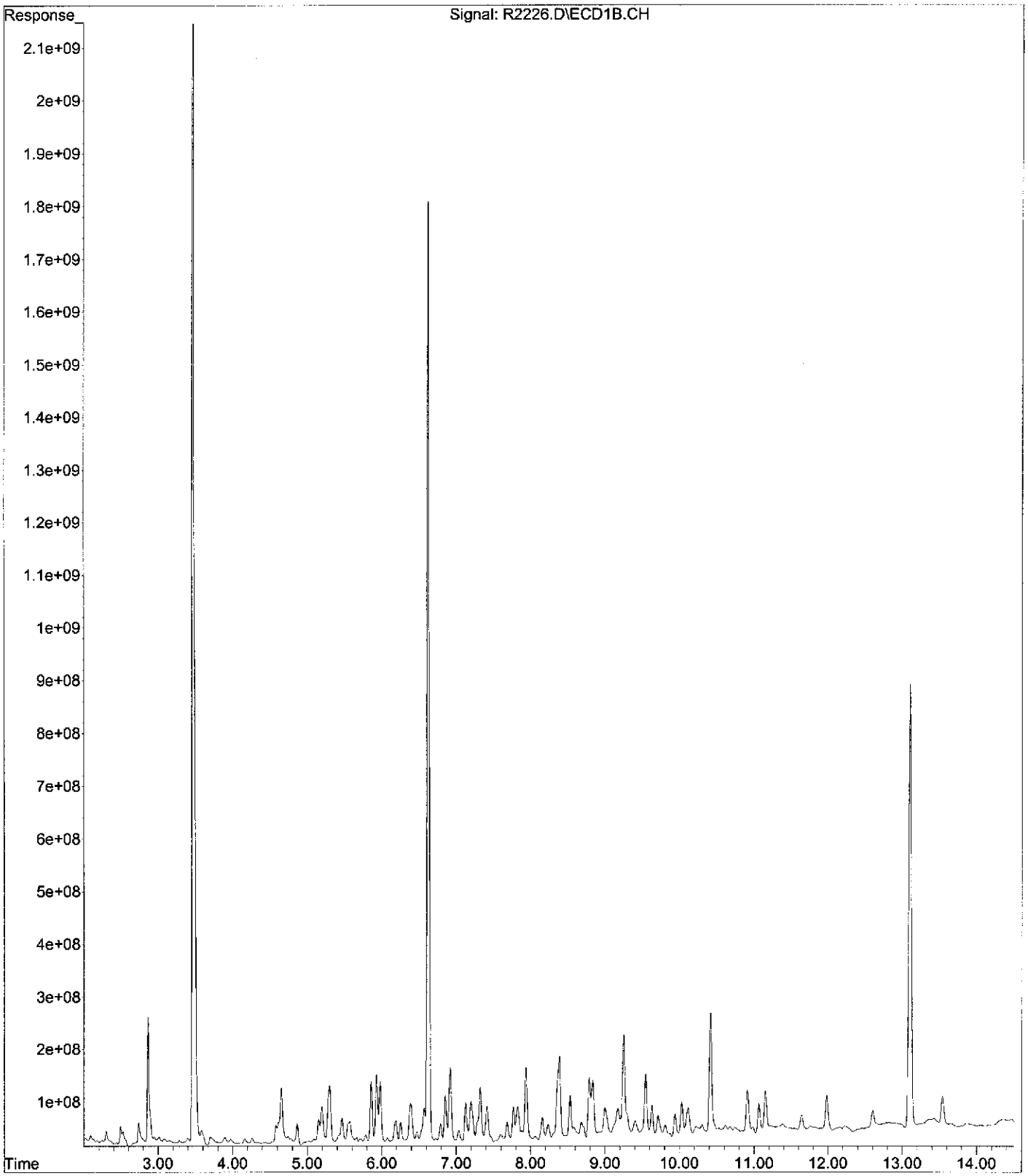
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 13:49:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

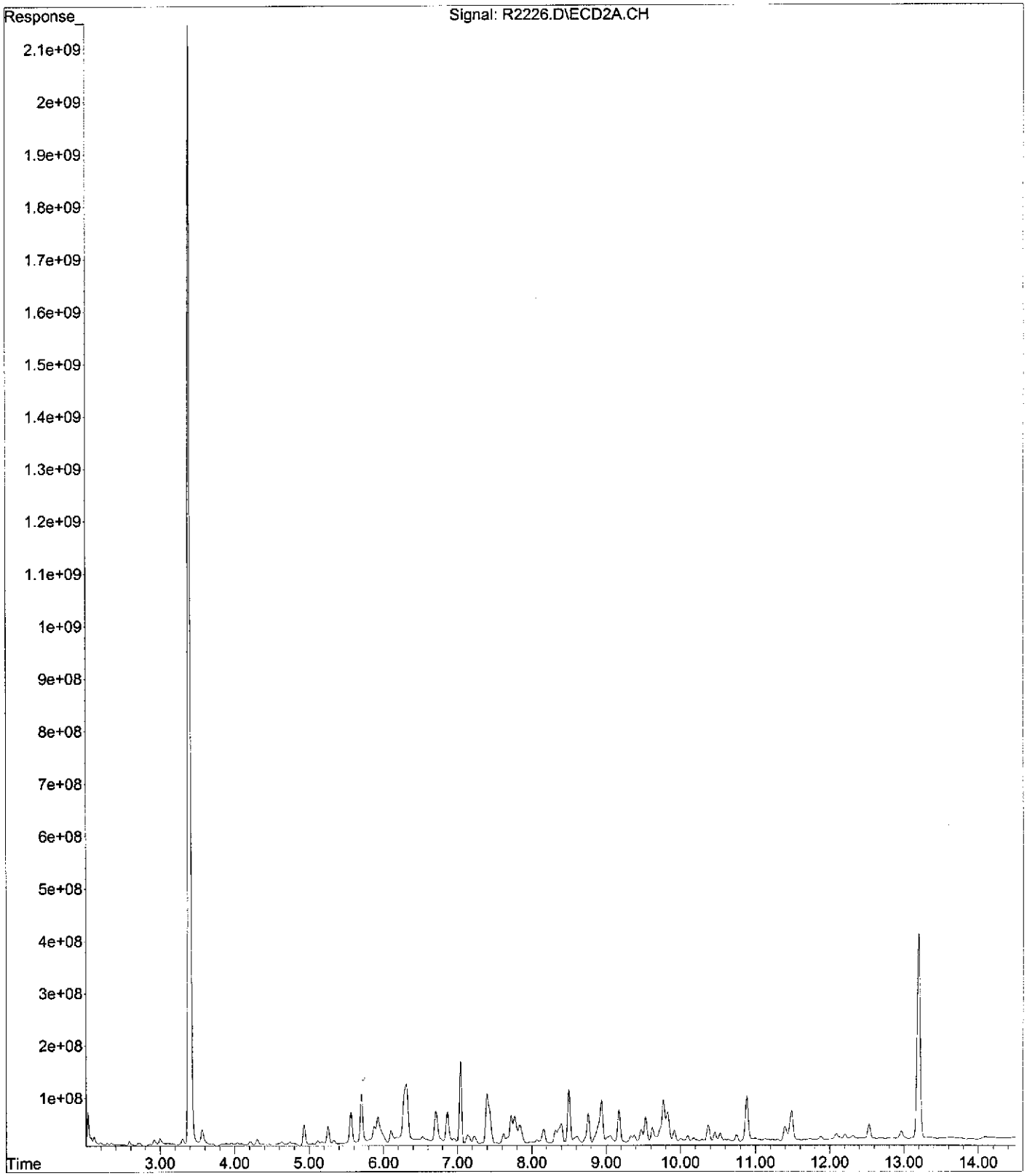


File :C:\MSDCHEM\1\DATA\07-31-12\R2226.D
Operator : IB
Acquired : 31 Jul 2012 18:09 using AcqMethod RPCB0725.M
Instrument : GC_R
Sample Name: O-43_(6.0-,07070-023,S,5.82g,32.3,07/23/12,4
Misc Info : 120723-12,07/16/12,07/16/12,1
Vial Number: 58



File :C:\MSDCHEM\1\DATA\07-31-12\R2226.D
Operator : IB
Acquired : 31 Jul 2012 18:09 using AcqMethod RPCB0725.M
Instrument : GC_R
Sample Name: O-43_(6.0-,07070-023,S,5.82g,32.3,07/23/12,4
Misc Info : 120723-12,07/16/12,07/16/12,1
Vial Number: 58



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2227.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 18:26
Operator : IB
Sample : P-42_(0-2.,07070-024,S,5.27g,14.6,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,100
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:17:47 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 5.30 | 5.70 | 842.9E6 | 647.4E6 | 98.547 | 126.469m# |
| 24) L6 Aroclor-1248 {2} | 5.86 | 6.30 | 677.1E6 | 1287.1E6 | 142.848 | 182.753m# |
| 25) L6 Aroclor-1248 {3} | 6.20 | 6.71 | 674.0E6 | 879.3E6 | 127.261 | 169.783m# |
| 26) L6 Aroclor-1248 {4} | 6.92 | 6.87 | 1661.6E6 | 650.4E6 | 174.934 | 147.345m |
| 27) L6 Aroclor-1248 {5} | 7.20 | 7.22 | 1144.1E6 | 354.7E6 | 140.144 | 145.879 |
| Sum Aroclor-1248 | | | 4999.6E6 | 3818.9E6 | 683.733 | 772.228 |
| Average Aroclor-1248 | | | | | 136.747 | 154.446 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| 33) L8 Aroclor-1260 | 9.25 | 8.76 | 2395.3E6 | 786.3E6 | 107.591 | 161.962 # |
| 34) L8 Aroclor-1260 {2} | 9.94 | 9.17 | 908.7E6 | 811.7E6 | 91.827 | 144.461 # |
| 35) L8 Aroclor-1260 {3} | 10.41 | 10.37 | 3230.2E6 | 547.9E6 | 98.773 | 129.769m# |
| 36) L8 Aroclor-1260 {4} | 10.91 | 10.88 | 1224.2E6 | 1136.8E6 | 86.060 | 128.502 # |
| 37) L8 Aroclor-1260 {5} | 11.98 | 11.48 | 936.0E6 | 848.7E6 | 141.511m | 130.937m |
| Sum Aroclor-1260 | | | 8694.4E6 | 4131.4E6 | 525.761 | 695.630 |
| Average Aroclor-1260 | | | | | 105.152 | 139.126 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

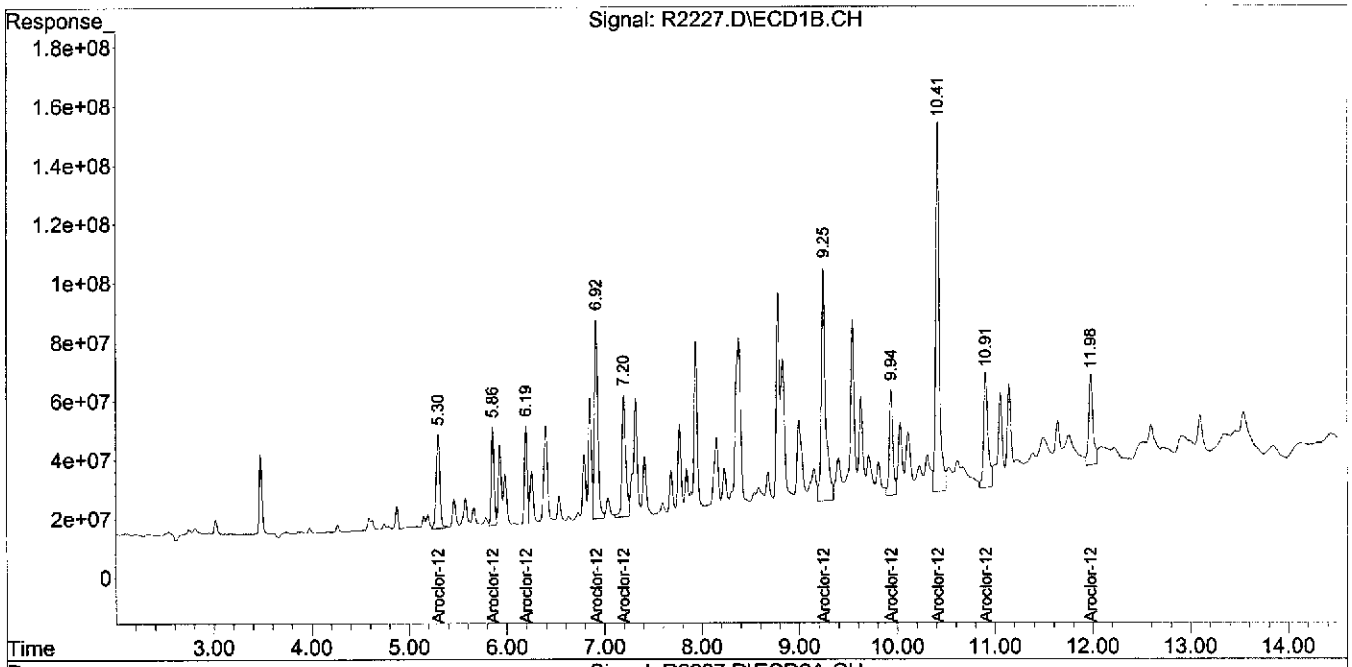
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

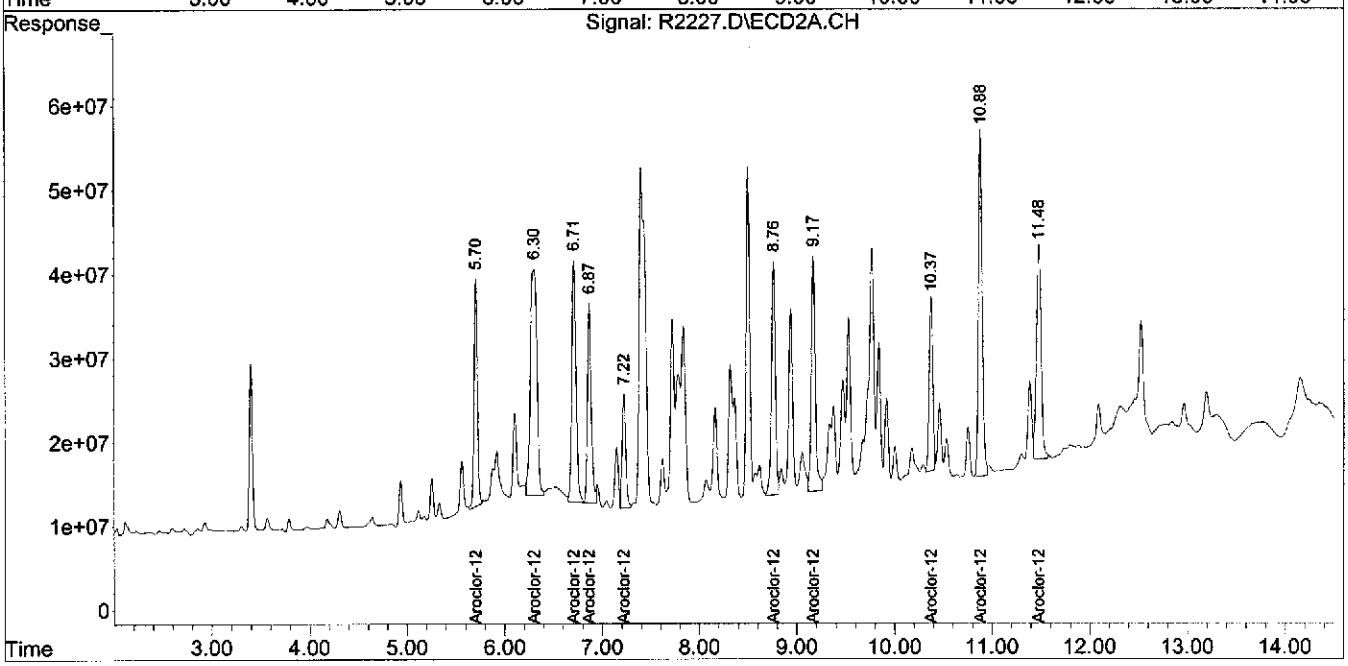
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2227.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 18:26
Operator : IB
Sample : P-42_(0-2.,07070-024,S,5.27g,14.6,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,100
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:17:47 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2228.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 18:44
Operator : IB
Sample : P-42_(2.0-,07070-025,S,5.22g,27.3,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,100
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:21:00 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1248 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1248 | | | | | 0.000 | 0.000 |
| 28) L7 Aroclor-1254 | 7.32 | 7.72 | 3282.7E6 | 1514.7E6 | 291.752 | 330.725 |
| 29) L7 Aroclor-1254 {2} | 7.77 | 8.32 | 1857.1E6 | 1635.3E6 | 251.300 | 330.529 # |
| 30) L7 Aroclor-1254 {3} | 7.94 | 8.76 | 3799.4E6 | 1264.5E6 | 288.867 | 393.472 # |
| 31) L7 Aroclor-1254 {4} | 8.39 | 8.94 | 5985.3E6 | 2000.0E6 | 353.297 | 410.717 |
| 32) L7 Aroclor-1254 {5} | 9.25 | 9.77 | 6370.5E6 | 2412.7E6 | 377.288 | 376.833m |
| Sum Aroclor-1254 | | | 21295.1E6 | 8827.2E6 | 1562.503 | 1842.275 |
| Average Aroclor-1254 | | | | | 312.501 | 368.455 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

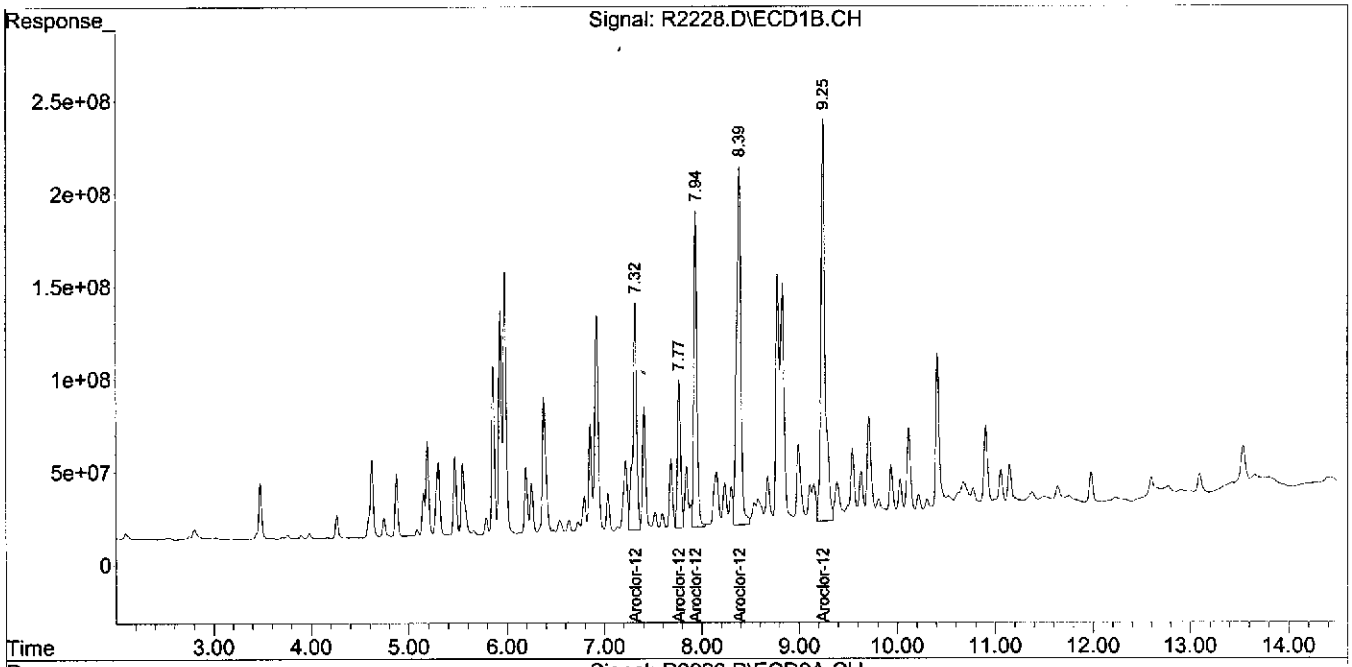
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

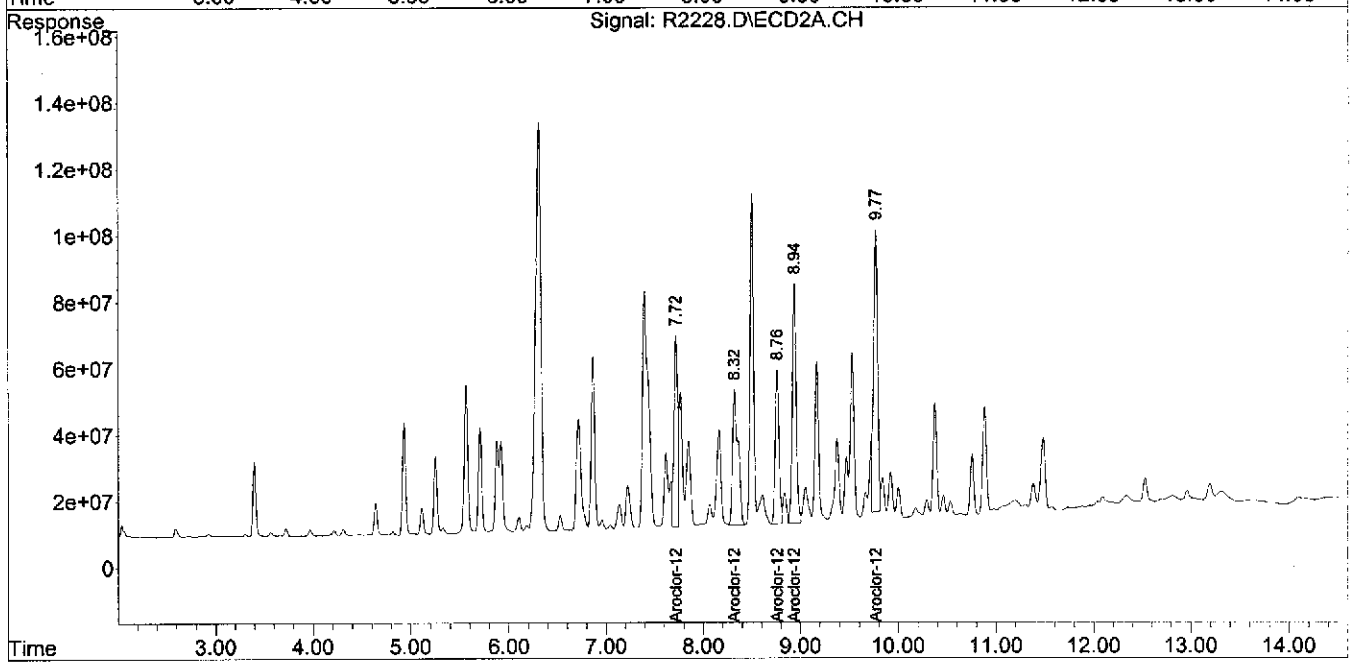
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2228.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 18:44
Operator : IB
Sample : P-42_(2.0-,07070-025,S,5.22g,27.3,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,100
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:21:00 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2229.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 19:01
Operator : IB
Sample : P-42_(4.0-,07070-026,S,5.43g,33.0,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:24:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 3.47 | 3.39 | 30337.3E6 | 32542.1E6 | 172.048 | 239.975 # |
| Spiked Amount 200.000 | | | Recovery | = | 86.02% | 119.99% |
| 2) S DCB | 13.10 | 13.19 | 18196.7E6 | 7190.0E6 | 234.910 | 207.268m |
| Spiked Amount 200.000 | | | Recovery | = | 117.46% | 103.63% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 5.30 | 5.70 | 16532.3E6 | 10278.7E6 | 1932.942 | 2008.011m |
| 24) L6 Aroclor-1248 {2} | 5.86 | 6.29 | 6728.1E6 | 9594.8E6 | 1419.424 | 1362.364m |
| 25) L6 Aroclor-1248 {3} | 6.19 | 6.71 | 7732.2E6 | 8137.1E6 | 1459.889 | 1571.253m |
| 26) L6 Aroclor-1248 {4} | 6.92 | 6.87 | 8846.3E6 | 5485.6E6 | 931.355 | 1242.717m# |
| 27) L6 Aroclor-1248 {5} | 7.20 | 7.22 | 5818.8E6 | 2100.7E6 | 712.784 | 863.830 |
| Sum Aroclor-1248 | | | 45657.6E6 | 35596.9E6 | 6456.394 | 7048.176 |
| Average Aroclor-1248 | | | | | 1291.279 | 1409.635 |
| 28) L7 Aroclor-1254 | 7.32 | 0.00 | 9351.9E6 | 0 | 831.166 | N.D. d# |
| 29) L7 Aroclor-1254 {2} | 7.77 | 8.32 | 6638.7E6 | 4870.4E6 | 898.320 | 984.381 |
| 30) L7 Aroclor-1254 {3} | 7.94 | 8.76 | 18302.6E6 | 3604.7E6 | 1391.547 | 1121.680m |
| 31) L7 Aroclor-1254 {4} | 8.39 | 8.93 | 19059.9E6 | 8736.9E6 | 1125.049 | 1794.209m# |
| 32) L7 Aroclor-1254 {5} | 9.25 | 9.77 | 13828.3E6 | 8920.4E6 | 818.966 | 1393.275m# |
| Sum Aroclor-1254 | | | 67181.4E6 | 26132.5E6 | 5065.049 | 5293.545 |
| Average Aroclor-1254 | | | | | 1013.010 | 1323.386 |
| 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\07-31-12\
Data File : R2229.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 19:01
Operator : IB
Sample : P-42_(4.0-,07070-026,S,5.43g,33.0,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:24:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|

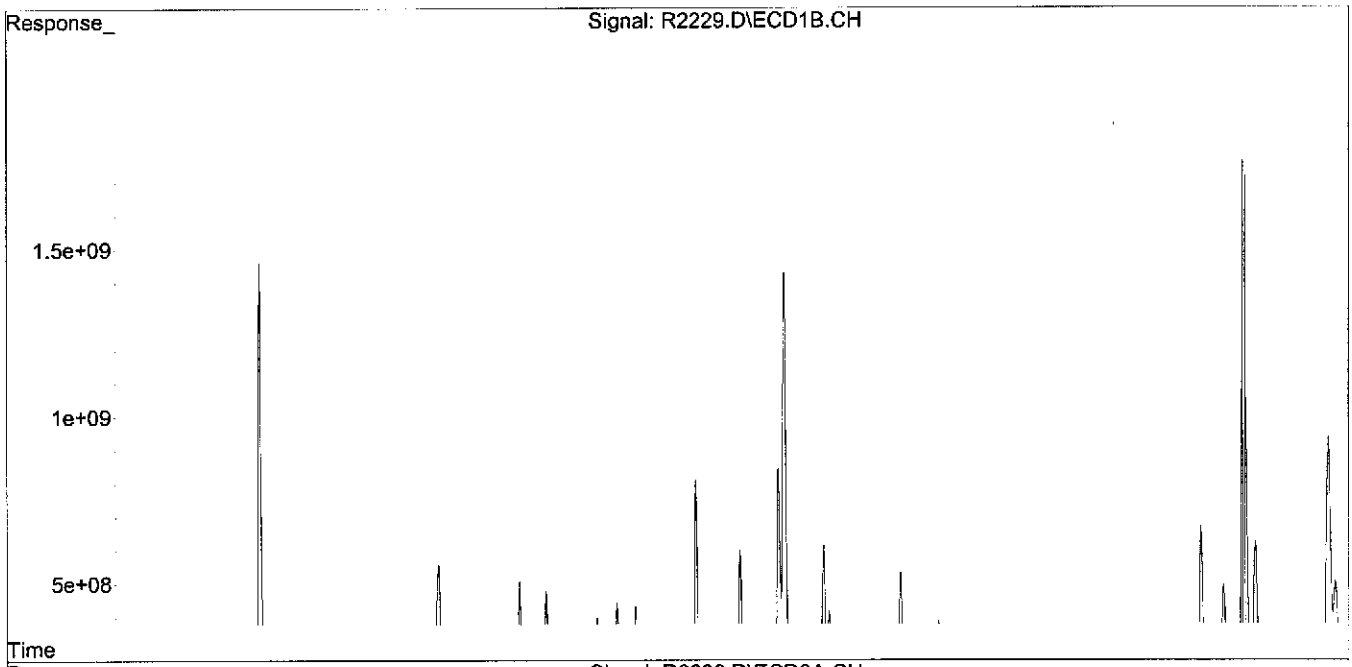
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

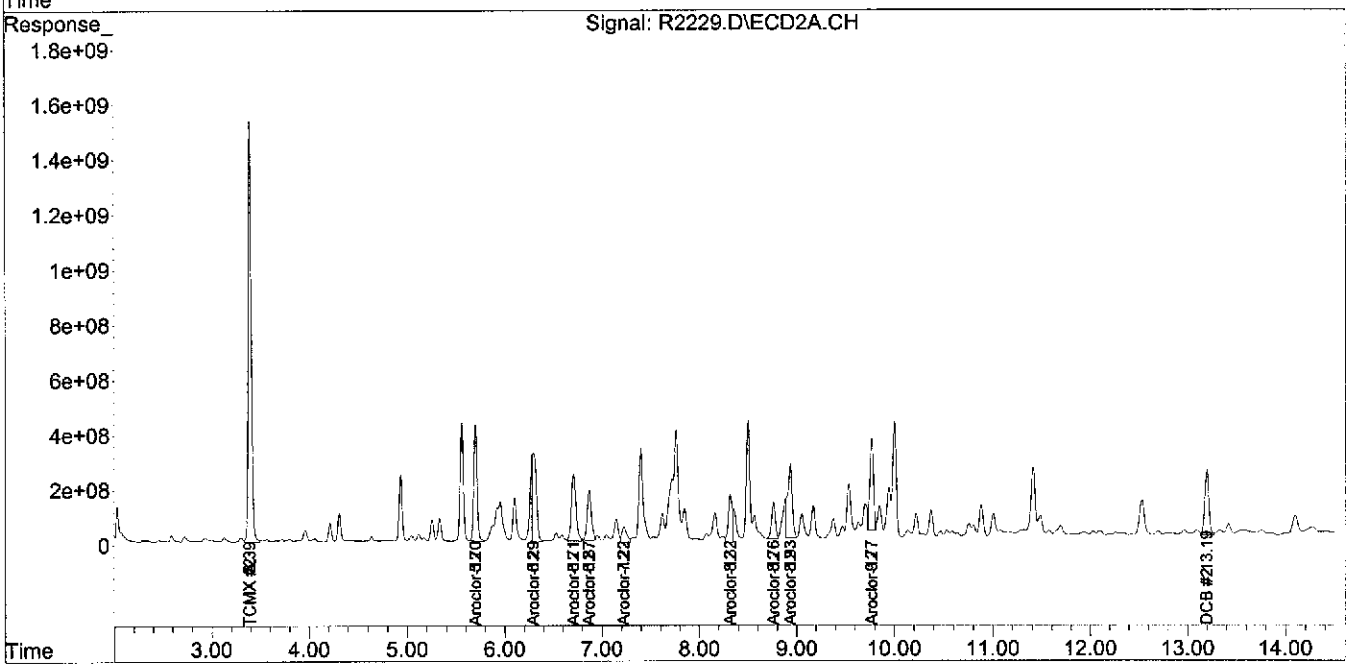
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2229.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 19:01
Operator : IB
Sample : P-42_(4.0-,07070-026,S,5.43g,33.0,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1
ALS Vial : 61 Sample Multiplier: 1

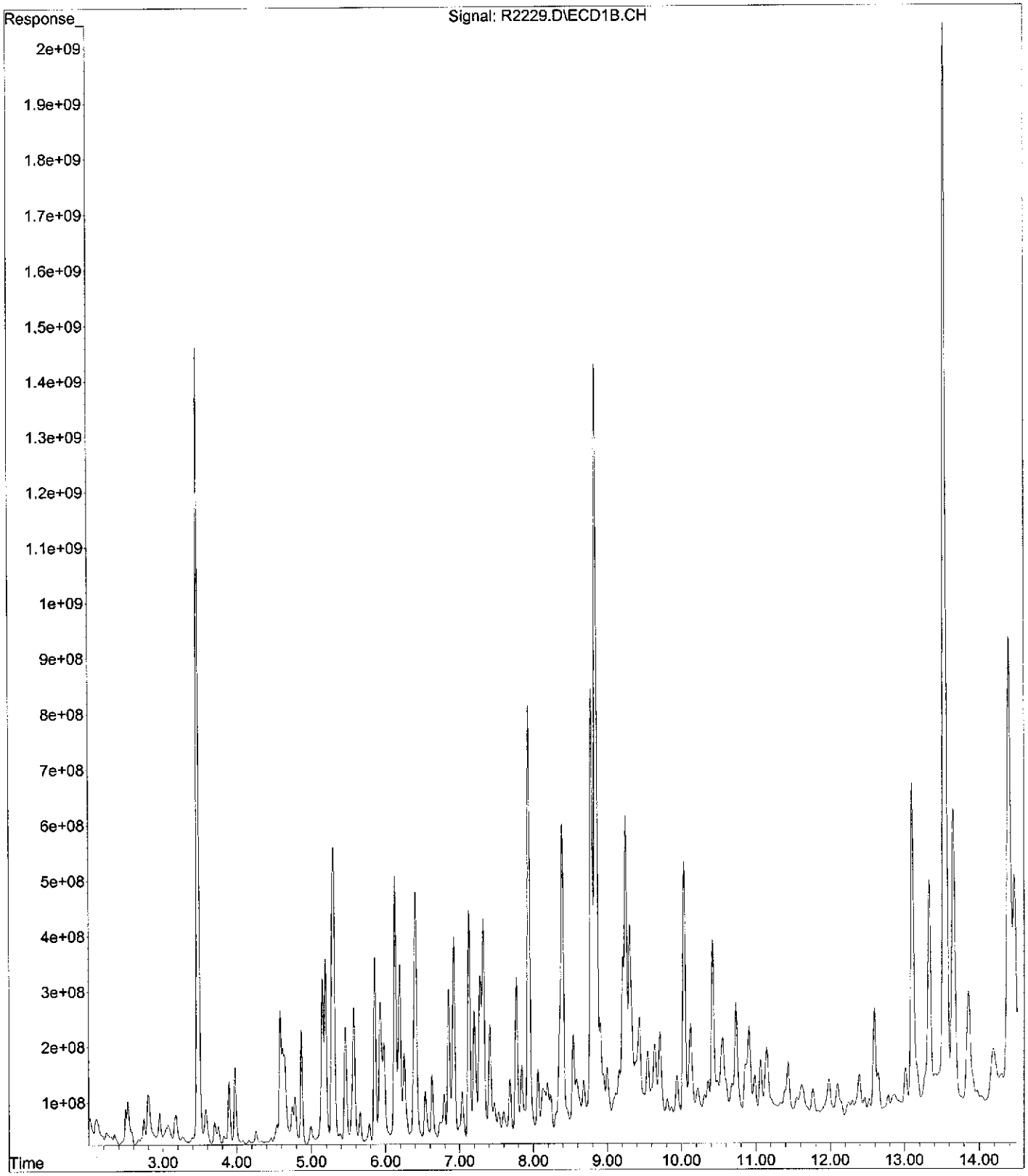
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:24:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



File :C:\MSDCHEM\1\DATA\07-31-12\R2229.D
Operator : IB
Acquired : 31 Jul 2012 19:01 using AcqMethod RPCB0725.M
Instrument : GC_R
Sample Name: P-42_(4.0-,07070-026,S,5.43g,33.0,07/23/12,4
Misc Info : 120723-12,07/16/12,07/16/12,1
Vial Number: 61



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2230.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 19:19
Operator : IB
Sample : P-41_(0-2.,07070-027,S,5.53g,11.5,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,100
ALS Vial : 62 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 13:39:05 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 5.30 | 5.71 | 1291.8E6 | 985.4E6 | 151.031 | 192.496m# |
| 24) L6 Aroclor-1248 {2} | 5.86 | 6.30 | 1385.5E6 | 1117.3E6 | 292.310 | 158.643m# |
| 25) L6 Aroclor-1248 {3} | 6.20 | 6.71 | 1450.1E6 | 1433.5E6 | 273.791 | 276.813m |
| 26) L6 Aroclor-1248 {4} | 6.92 | 6.87 | 3134.6E6 | 1236.8E6 | 330.019m | 280.183m |
| 27) L6 Aroclor-1248 {5} | 7.20 | 7.22 | 2504.2E6 | 704.4E6 | 306.761m | 289.646 |
| Sum Aroclor-1248 | | | 9766.3E6 | 5477.3E6 | 1353.910 | 1197.781 |
| Average Aroclor-1248 | | | | | 270.782 | 239.556 |
| 28) L7 Aroclor-1254 | 7.32 | 7.72 | 2520.5E6 | 999.3E6 | 224.013 | 218.183 |
| 29) L7 Aroclor-1254 {2} | 7.77 | 8.32 | 2107.5E6 | 736.1E6 | 285.177 | 148.768 # |
| 30) L7 Aroclor-1254 {3} | 7.94 | 8.76 | 3713.4E6 | 783.2E6 | 282.329 | 243.713 |
| 31) L7 Aroclor-1254 {4} | 8.39 | 8.94 | 2707.9E6 | 1240.5E6 | 159.842 | 254.756 # |
| 32) L7 Aroclor-1254 {5} | 9.25 | 9.77 | 1867.8E6 | 830.9E6 | 110.618m | 129.781m |
| Sum Aroclor-1254 | | | 12917.1E6 | 4590.0E6 | 1061.980 | 995.202 |
| Average Aroclor-1254 | | | | | 212.396 | 199.040 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

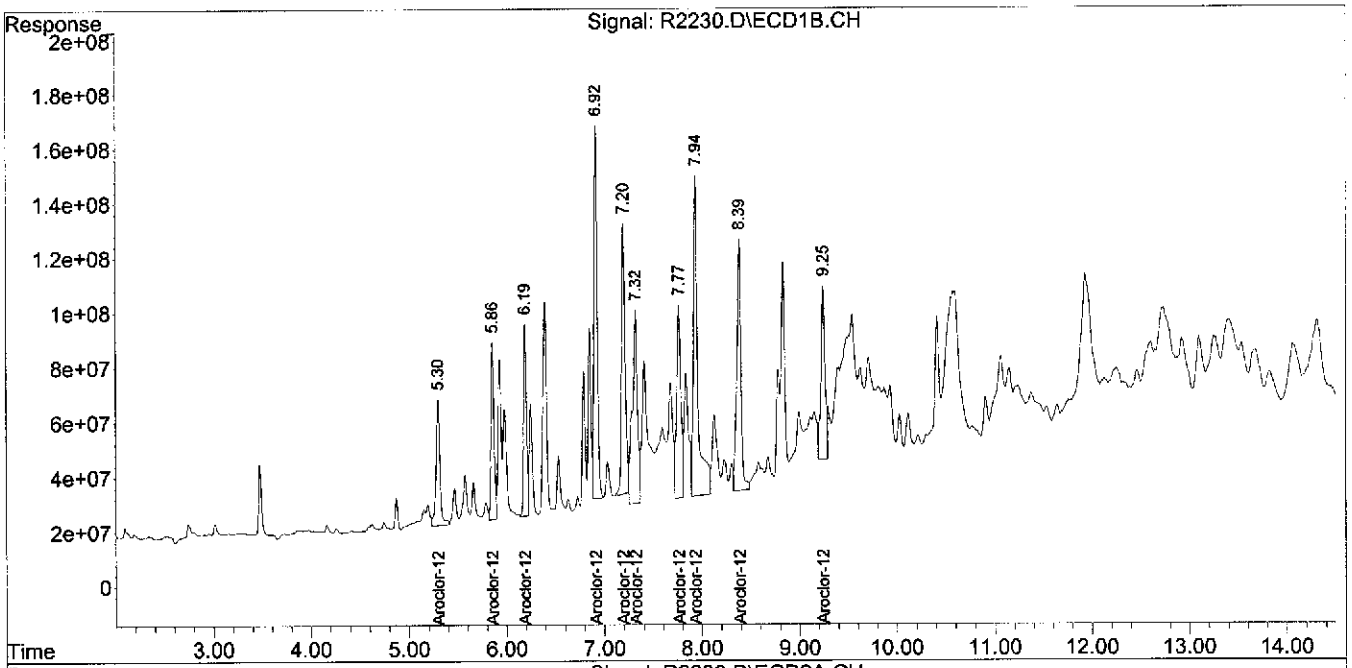
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

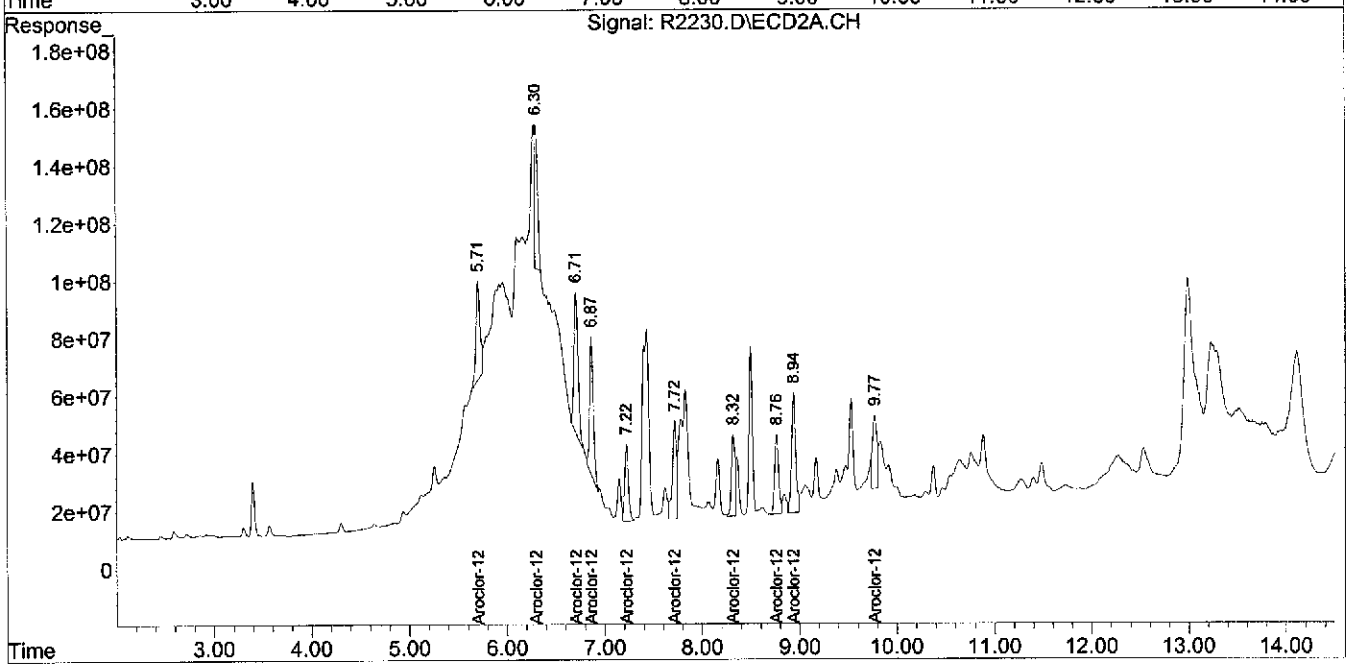
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2230.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 19:19
Operator : IB
Sample : P-41_(0-2.,07070-027,S,5.53g,11.5,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,100
ALS Vial : 62 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 13:39:05 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2231.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 19:36
Operator : IB
Sample : P-41 (2.0-,07070-028,S,5.47g,21.1,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,10
ALS Vial : 63 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:29:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 3.48 | 3.39 | 4676.9E6 | 3261.1E6 | 26.524 | 24.048 |
| Spiked Amount 200.000 | | | Recovery | = | 13.26% | 12.02% |
| 2) S DCB | 13.10 | 13.19 | 1645.0E6 | 832.7E6 | 21.236m | 24.004m |
| Spiked Amount 200.000 | | | Recovery | = | 10.62% | 12.00% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 5.30 | 5.70 | 2308.0E6 | 1617.4E6 | 269.851 | 315.962 |
| 24) L6 Aroclor-1248 {2} | 5.86 | 6.31 | 1953.8E6 | 3538.4E6 | 412.200 | 502.411 |
| 25) L6 Aroclor-1248 {3} | 6.20 | 6.71 | 2375.9E6 | 2483.5E6 | 448.597 | 479.552 |
| 26) L6 Aroclor-1248 {4} | 6.92 | 6.87 | 5150.6E6 | 1927.1E6 | 542.262 | 436.563 |
| 27) L6 Aroclor-1248 {5} | 7.20 | 7.22 | 3302.6E6 | 1071.8E6 | 404.559 | 440.745 |
| Sum Aroclor-1248 | | | 15091.0E6 | 10638.1E6 | 2077.468 | 2175.233 |
| Average Aroclor-1248 | | | | | 415.494 | 435.047 |
| 28) L7 Aroclor-1254 | 7.32 | 7.72 | 3682.0E6 | 1777.2E6 | 327.239 | 388.038 |
| 29) L7 Aroclor-1254 {2} | 7.77 | 8.32 | 2165.9E6 | 1261.1E6 | 293.085 | 254.885 |
| 30) L7 Aroclor-1254 {3} | 7.94 | 8.76 | 4061.5E6 | 2762.8E6 | 308.793 | 859.700 # |
| 31) L7 Aroclor-1254 {4} | 8.38 | 8.94 | 7330.4E6 | 2091.5E6 | 432.693 | 429.500 |
| 32) L7 Aroclor-1254 {5} | 9.25 | 9.77 | 8787.2E6 | 3039.0E6 | 520.408 | 474.656m |
| Sum Aroclor-1254 | | | 26026.9E6 | 10931.6E6 | 1882.219 | 2406.778 |
| Average Aroclor-1254 | | | | | 376.444 | 481.356 |
| 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\07-31-12\
Data File : R2231.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 19:36
Operator : IB
Sample : P-41_(2.0-,07070-028,S,5.47g,21.1,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,10
ALS Vial : 63 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:29:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|

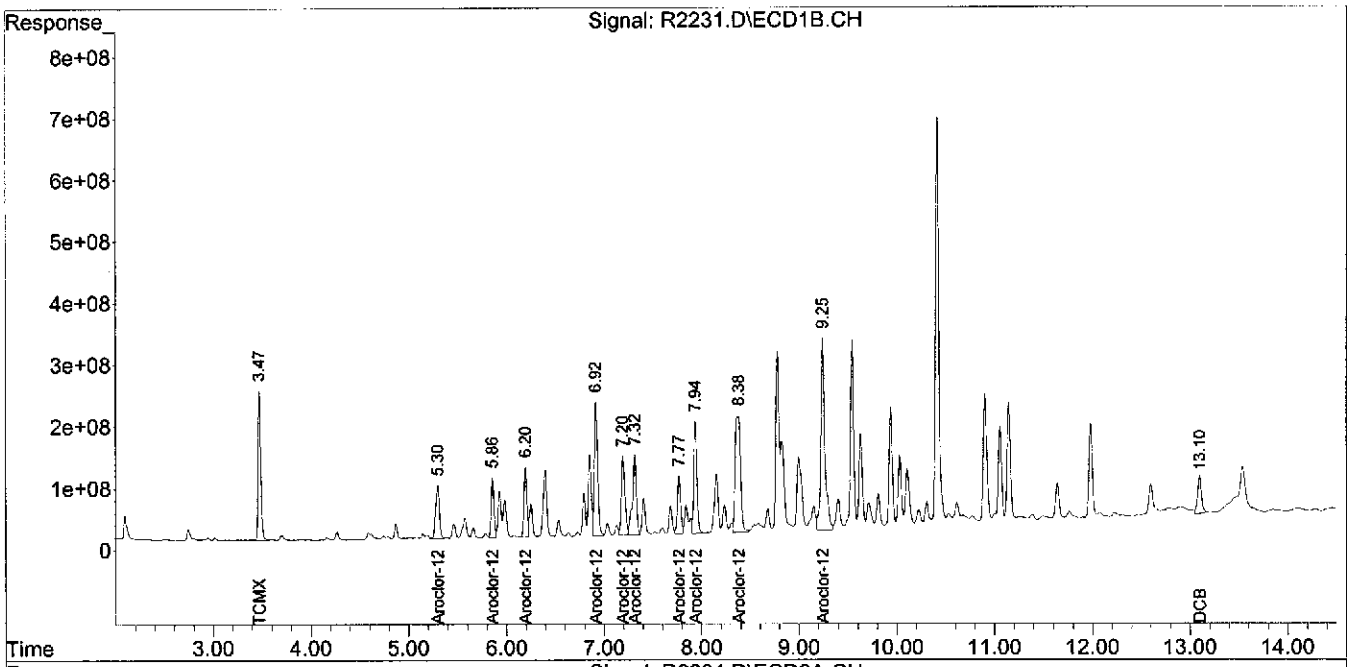
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

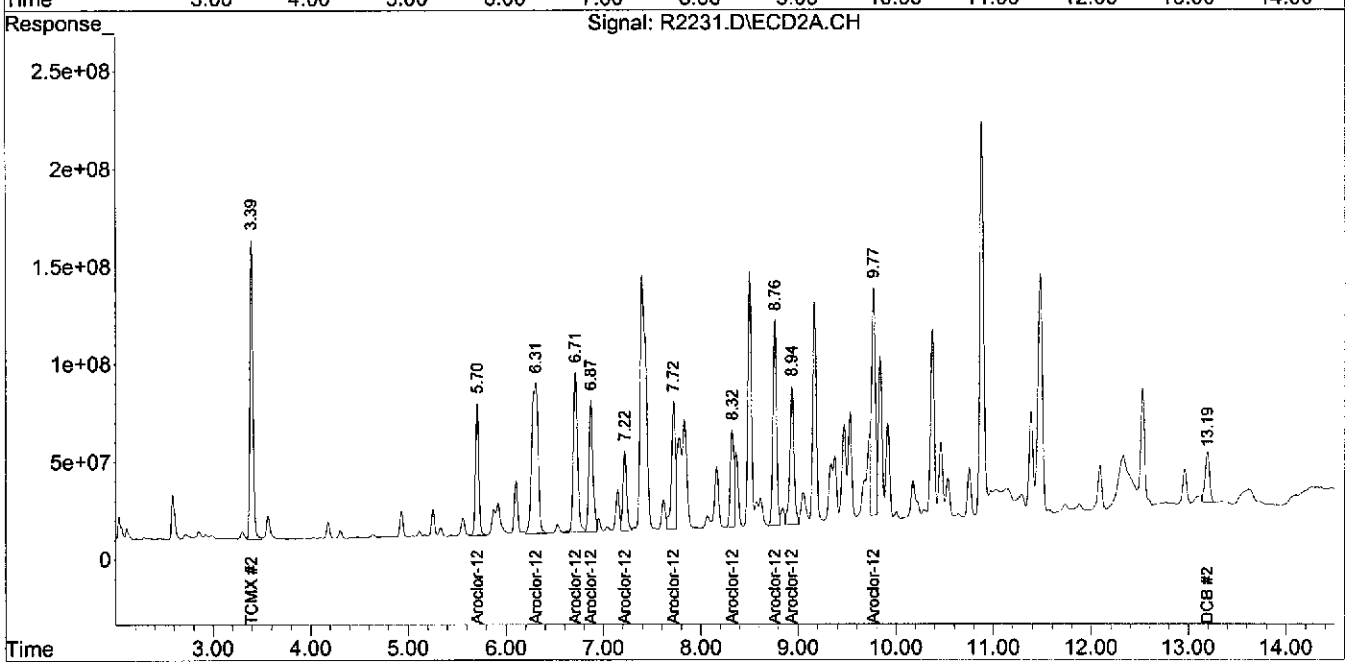
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2231.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 19:36
Operator : IB
Sample : P-41_(2.0-,07070-028,S,5.47g,21.1,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,10
ALS Vial : 63 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:29:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2232.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 19:54
Operator : IB
Sample : P-41_(4.0-,07070-029,S,5.25g,49.8,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1000
ALS Vial : 64 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:30:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 5.30 | 5.70 | 4044.4E6 | 2919.0E6 | 472.863 | 570.240 |
| 24) L6 Aroclor-1248 {2} | 5.86 | 6.30 | 2793.6E6 | 3038.3E6 | 589.363 | 431.408m# |
| 25) L6 Aroclor-1248 {3} | 6.20 | 6.71 | 1876.9E6 | 2180.7E6 | 354.381 | 421.095 |
| 26) L6 Aroclor-1248 {4} | 6.92 | 6.87 | 6803.5E6 | 1615.9E6 | 716.286 | 366.080 # |
| 27) L6 Aroclor-1248 {5} | 7.21 | 7.22 | 2208.2E6 | 1106.3E6 | 270.498 | 454.928 # |
| Sum Aroclor-1248 | | | 17726.6E6 | 10860.3E6 | 2403.390 | 2243.749 |
| Average Aroclor-1248 | | | | | 480.678 | 448.750 |
| 28) L7 Aroclor-1254 | 7.32 | 7.72 | 6347.5E6 | 3050.8E6 | 564.144 | 666.099 |
| 29) L7 Aroclor-1254 {2} | 7.77 | 8.32 | 3733.7E6 | 2140.5E6 | 505.231 | 432.630 |
| 30) L7 Aroclor-1254 {3} | 7.94 | 8.76 | 8437.2E6 | 2108.0E6 | 641.482 | 655.933 |
| 31) L7 Aroclor-1254 {4} | 8.39 | 8.94 | 11587.4E6 | 4558.4E6 | 683.974 | 936.108 # |
| 32) L7 Aroclor-1254 {5} | 9.25 | 9.77 | 10606.7E6 | 4619.5E6 | 628.169 | 721.510m |
| Sum Aroclor-1254 | | | 40712.6E6 | 16477.1E6 | 3023.001 | 3412.280 |
| Average Aroclor-1254 | | | | | 604.600 | 682.456 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

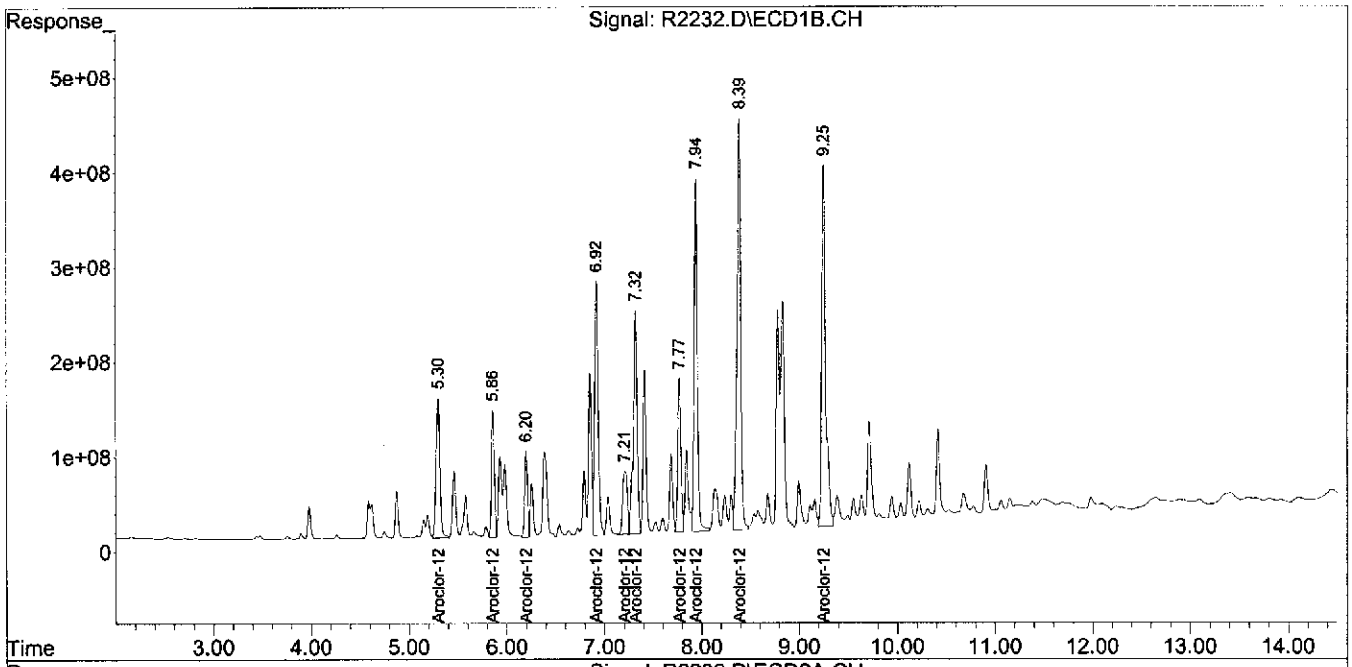
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

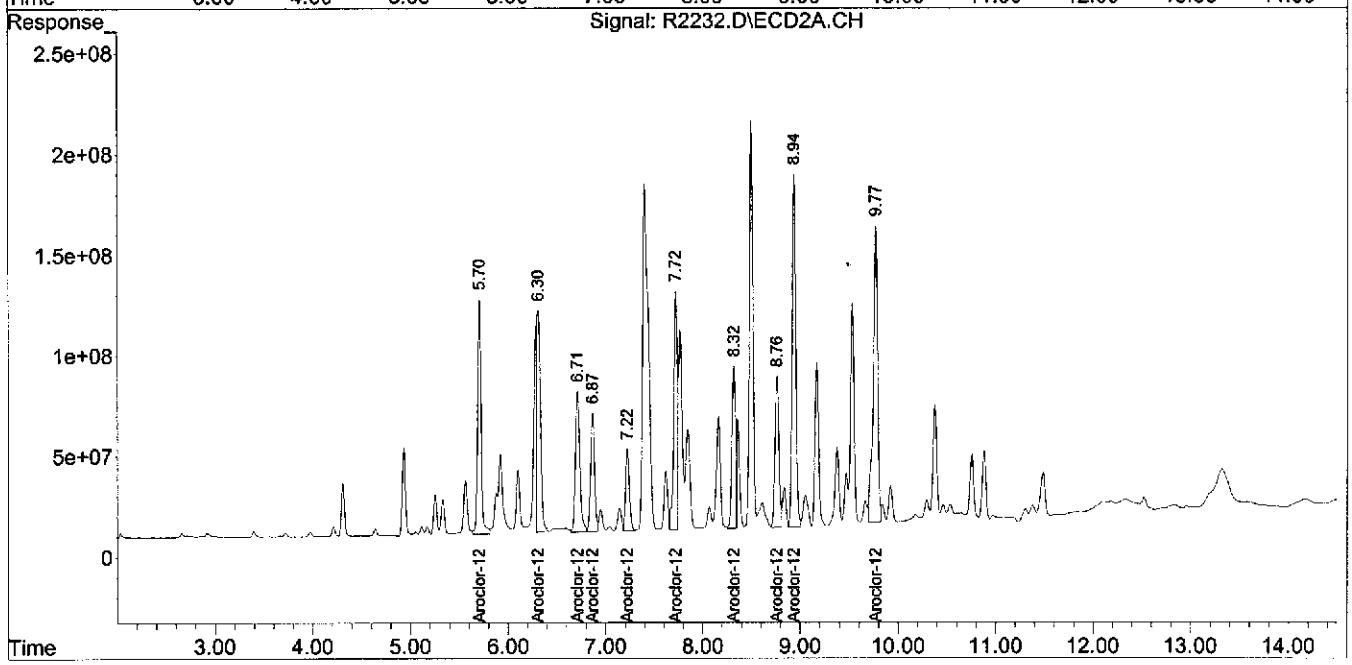
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2232.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 19:54
Operator : IB
Sample : P-41_(4.0-,07070-029,S,5.25g,49.8,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1000
ALS Vial : 64 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:30:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2233.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 20:11
Operator : IB
Sample : P-41_(5.0-,07070-030,S,5.47g,68.3,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1
ALS Vial : 65 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 13:50:18 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 3.48 | 3.39 | 50903.9E6 | 43155.3E6 | 288.685 | 318.240m |
| Spiked Amount 200.000 | | | Recovery | = | 144.34% | 159.12% |
| 2) S DCB | 13.10 | 13.19 | 23754.6E6 | 10923.4E6 | 306.661m | 314.891m |
| Spiked Amount 200.000 | | | Recovery | = | 153.33% | 157.45% |
| 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 | 7.32 | 7.72 | 13057.3E6 | 5778.9E6 | 1160.483 | 1261.753m |
| 29) L7 Aroclor-1254 {2} | 7.77 | 8.32 | 8001.4E6 | 5087.4E6 | 1082.718 | 1028.256m |
| 30) L7 Aroclor-1254 {3} | 7.94 | 8.77 | 14153.0E6 | 4460.6E6 | 1076.052 | 1387.993m# |
| 31) L7 Aroclor-1254 {4} | 8.39 | 8.94 | 21558.1E6 | 8670.9E6 | 1272.513 | 1780.647m# |
| 32) L7 Aroclor-1254 {5} | 9.25 | 9.77 | 19507.0E6 | 9298.9E6 | 1155.275 | 1452.386m# |
| Sum Aroclor-1254 | | | 76276.7E6 | 33296.7E6 | 5747.042 | 6911.035 |
| Average Aroclor-1254 | | | | | 1149.408 | 1382.207 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

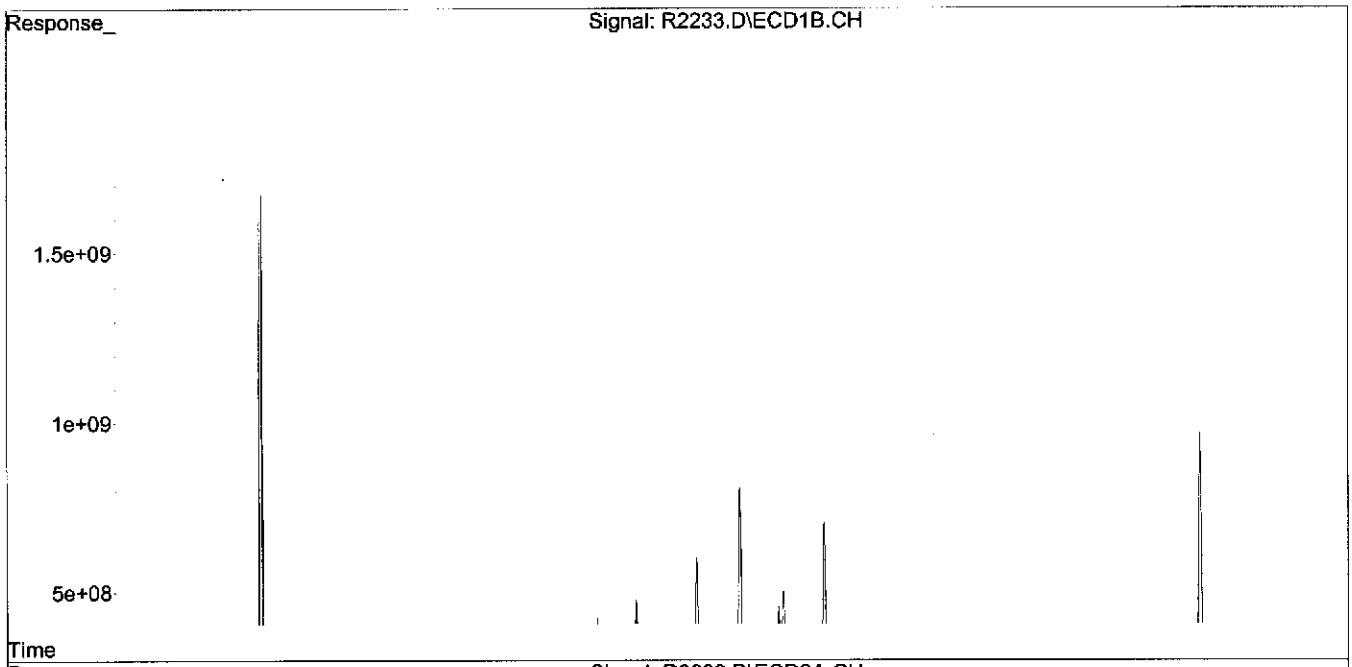
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

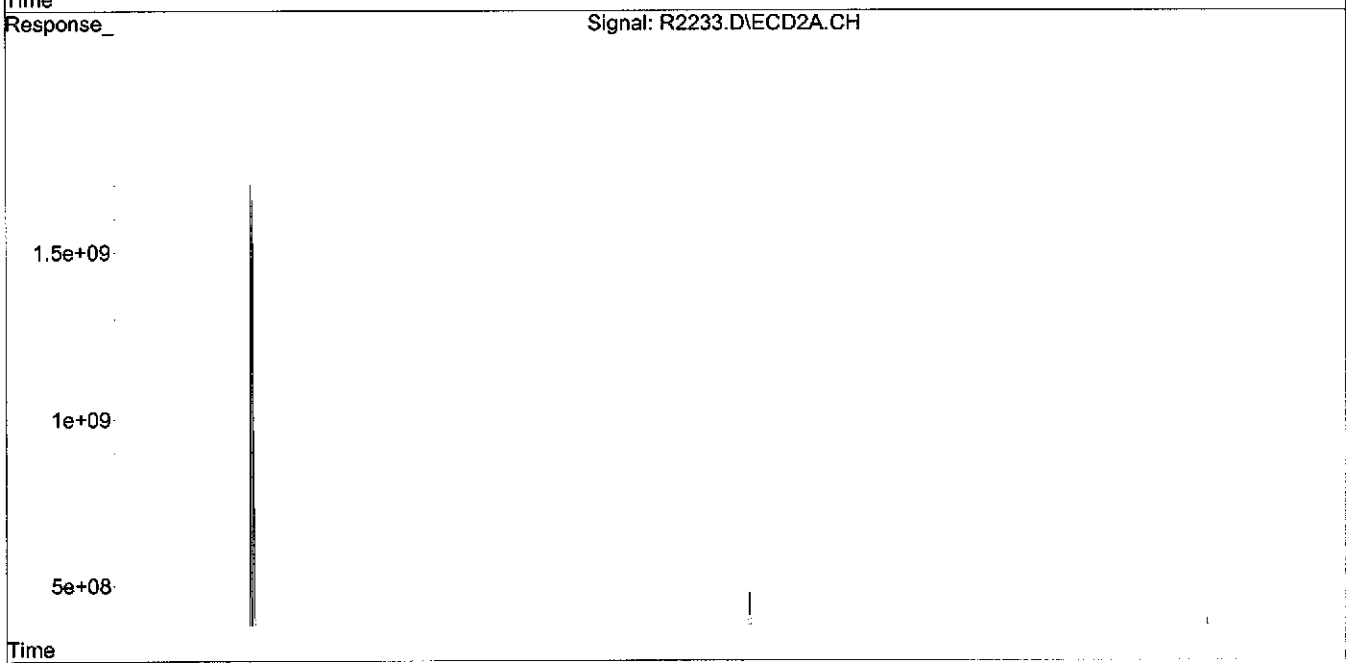
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2233.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 20:11
Operator : IB
Sample : P-41_(5.0-,07070-030,S,5.47g,68.3,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1
ALS Vial : 65 Sample Multiplier: 1

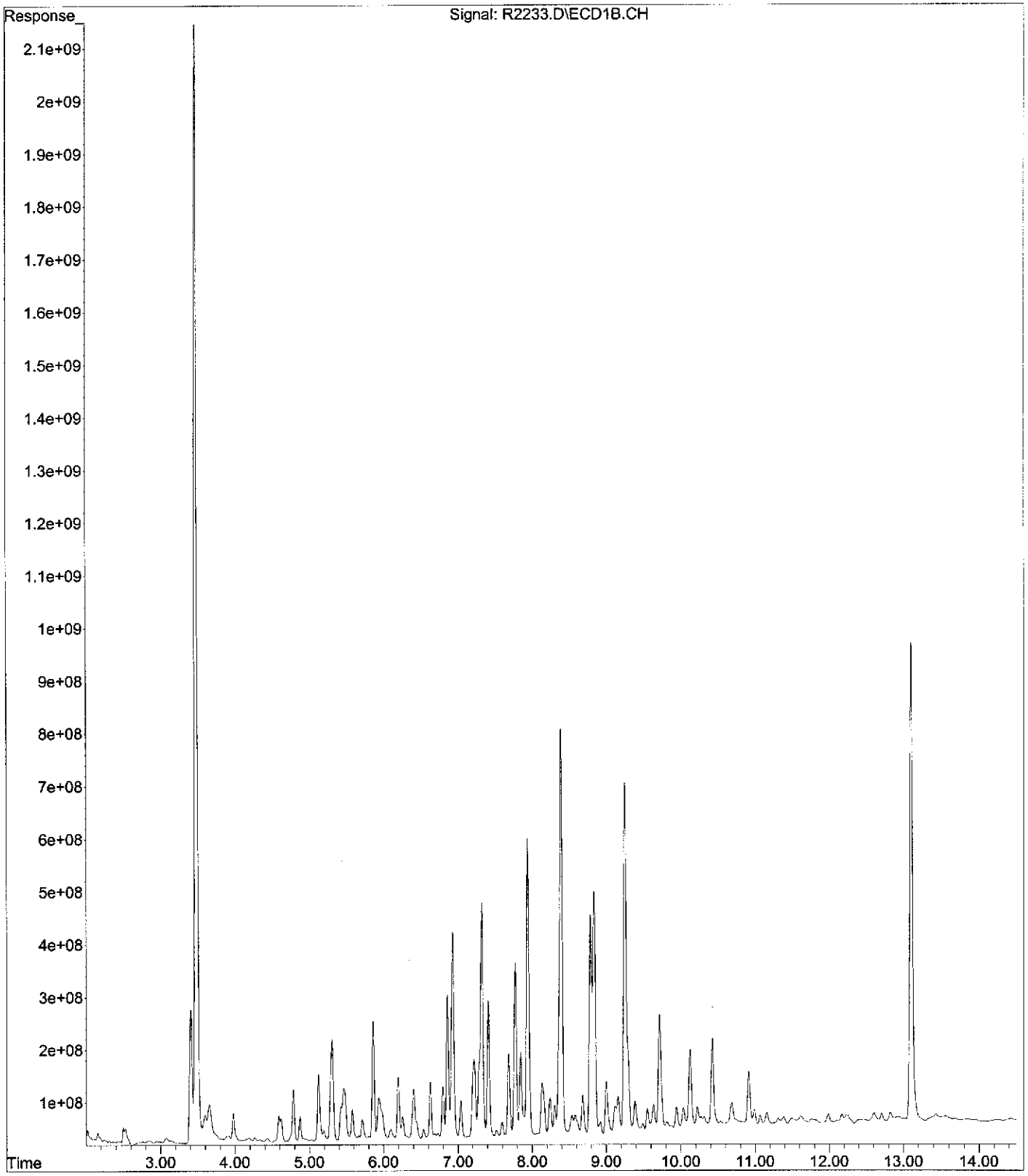
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 13:50:18 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

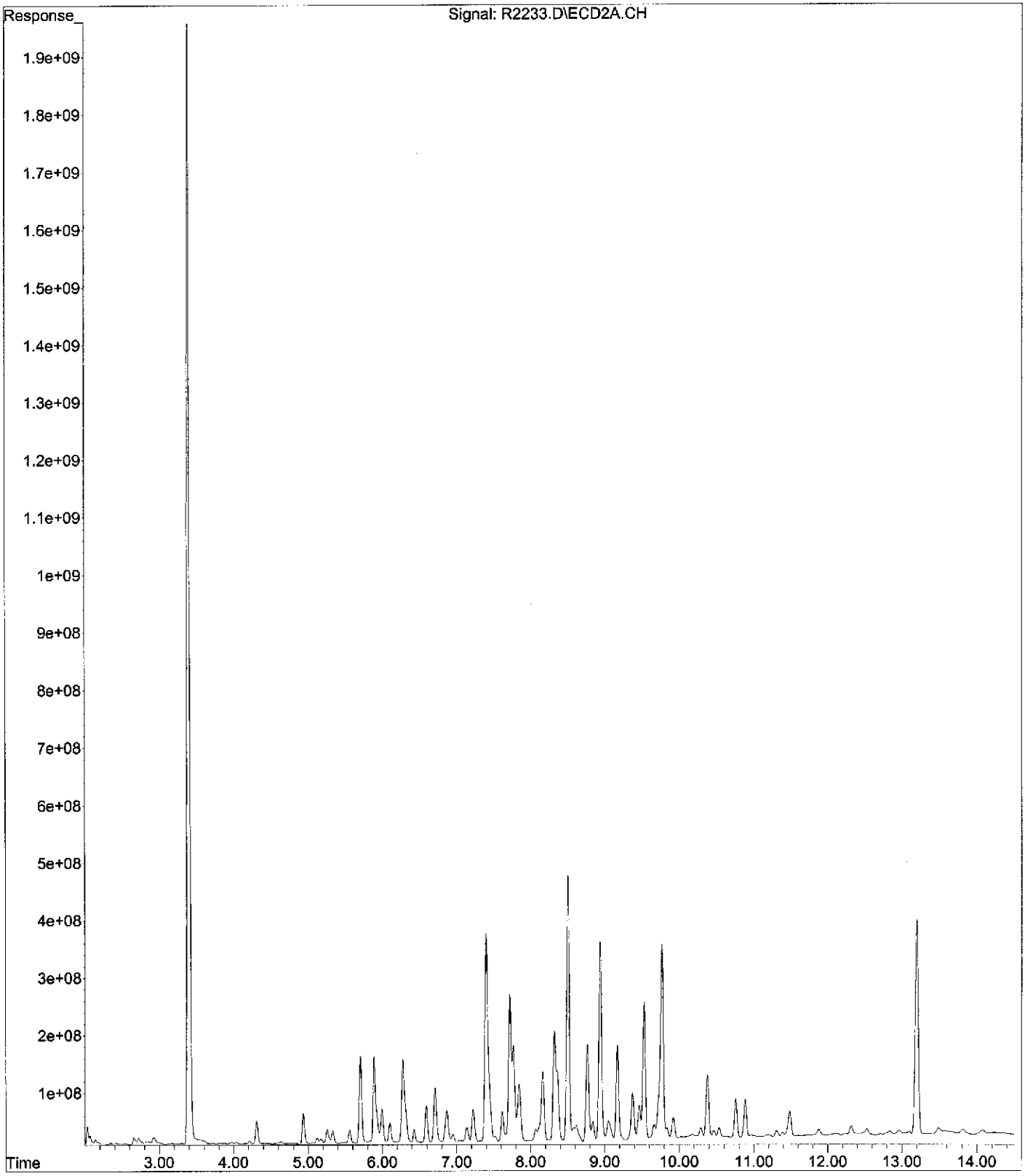


File :C:\MSDCHEM\1\DATA\07-31-12\R2233.D
Operator : IB
Acquired : 31 Jul 2012 20:11 using AcqMethod RPCB0725.M
Instrument : GC_R
Sample Name: P-41_(5.0-,07070-030,S,5.47g,68.3,07/23/12,4
Misc Info : 120723-12,07/16/12,07/16/12,1
Vial Number: 65



File :C:\MSDCHEM\1\DATA\07-31-12\R2233.D
Operator : IB
Acquired : 31 Jul 2012 20:11 using AcqMethod RPCB0725.M
Instrument : GC_R
Sample Name: P-41_(5.0-,07070-030,S,5.47g,68.3,07/23/12,4
Misc Info : 120723-12,07/16/12,07/16/12,1
Vial Number: 65



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2234.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 20:29
Operator : IB
Sample : P-41_(6.0-,07070-031,S,5.76g,22.5,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,10
ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:37:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 3.48 | 3.40 | 4253.4E6 | 2942.4E6 | 24.122 | 21.698 |
| Spiked Amount 200.000 | | | Recovery | = | 12.06% | 10.85% |
| 2) S DCB | 13.10 | 13.19 | 1282.6E6 | 745.6E6 | 16.558m | 21.492m# |
| Spiked Amount 200.000 | | | Recovery | = | 8.28% | 10.75% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 5.30 | 5.71 | 3206.3E6 | 2196.7E6 | 374.875 | 429.139 |
| 24) L6 Aroclor-1248 {2} | 5.86 | 6.30 | 3175.9E6 | 2292.9E6 | 670.030 | 325.571m# |
| 25) L6 Aroclor-1248 {3} | 6.20 | 6.71 | 2504.9E6 | 2681.8E6 | 472.953 | 517.851 |
| 26) L6 Aroclor-1248 {4} | 6.92 | 6.87 | 6664.2E6 | 1684.0E6 | 701.616 | 381.491 # |
| 27) L6 Aroclor-1248 {5} | 7.20 | 7.22 | 3072.2E6 | 1200.3E6 | 376.338 | 493.572 # |
| Sum Aroclor-1248 | | | 18623.6E6 | 10055.7E6 | 2595.812 | 2147.623 |
| Average Aroclor-1248 | | | | | 519.162 | 429.525 |
| 28) L7 Aroclor-1254 | 7.32 | 7.72 | 6871.2E6 | 3183.0E6 | 610.685 | 694.974m |
| 29) L7 Aroclor-1254 {2} | 7.77 | 8.32 | 4487.1E6 | 2596.3E6 | 607.182 | 524.760m |
| 30) L7 Aroclor-1254 {3} | 7.94 | 8.76 | 8980.9E6 | 2547.3E6 | 682.820 | 792.638 |
| 31) L7 Aroclor-1254 {4} | 8.39 | 8.94 | 11131.6E6 | 4392.3E6 | 657.067 | 902.003 # |
| 32) L7 Aroclor-1254 {5} | 9.25 | 9.77 | 9870.7E6 | 4126.3E6 | 584.582 | 644.479m |
| Sum Aroclor-1254 | | | 41341.6E6 | 16845.2E6 | 3142.336 | 3558.853 |
| Average Aroclor-1254 | | | | | 628.467 | 711.771 |
| 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\07-31-12\
Data File : R2234.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 20:29
Operator : IB
Sample : P-41_(6.0-,07070-031,S,5.76g,22.5,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,10
ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:37:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|

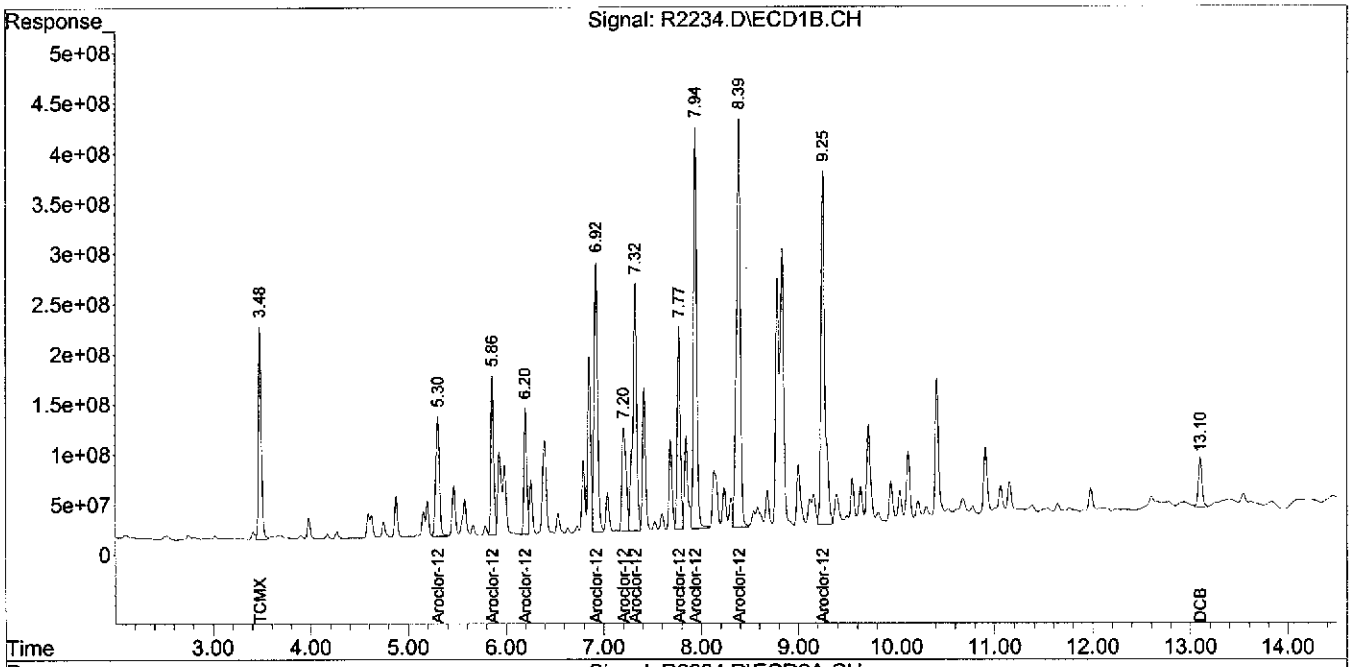
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

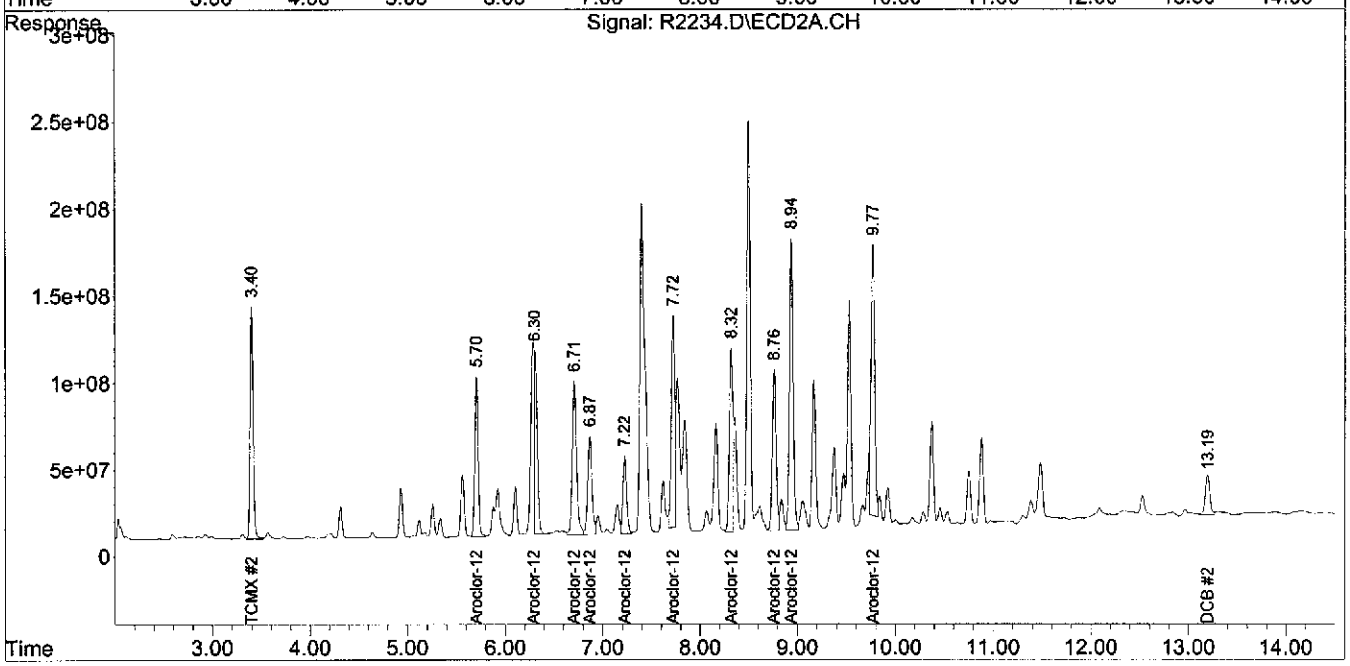
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2234.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 20:29
Operator : IB
Sample : P-41_(6.0-,07070-031,S,5.76g,22.5,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,10
ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:37:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2235.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 20:46
Operator : IB
Sample : Q-40_(0-2.,07070-032,S,5.58g,8.40,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,100
ALS Vial : 67 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:38:46 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 5.30 | 5.71 | 509.2E6 | 397.4E6 | 59.536 | 77.643m# |
| 24) L6 Aroclor-1248 {2} | 5.86 | 6.30 | 378.6E6 | 500.0E6 | 79.868 | 70.989m |
| 25) L6 Aroclor-1248 {3} | 6.20 | 6.71 | 364.8E6 | 526.8E6 | 68.876 | 101.721 # |
| 26) L6 Aroclor-1248 {4} | 6.92 | 6.87 | 565.5E6 | 346.9E6 | 59.538 | 78.597m# |
| 27) L6 Aroclor-1248 {5} | 7.20 | 7.22 | 370.7E6 | 153.7E6 | 45.411 | 63.186 # |
| Sum Aroclor-1248 | | | 2188.8E6 | 1924.8E6 | 313.229 | 392.136 |
| Average Aroclor-1248 | | | | | 62.646 | 78.427 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

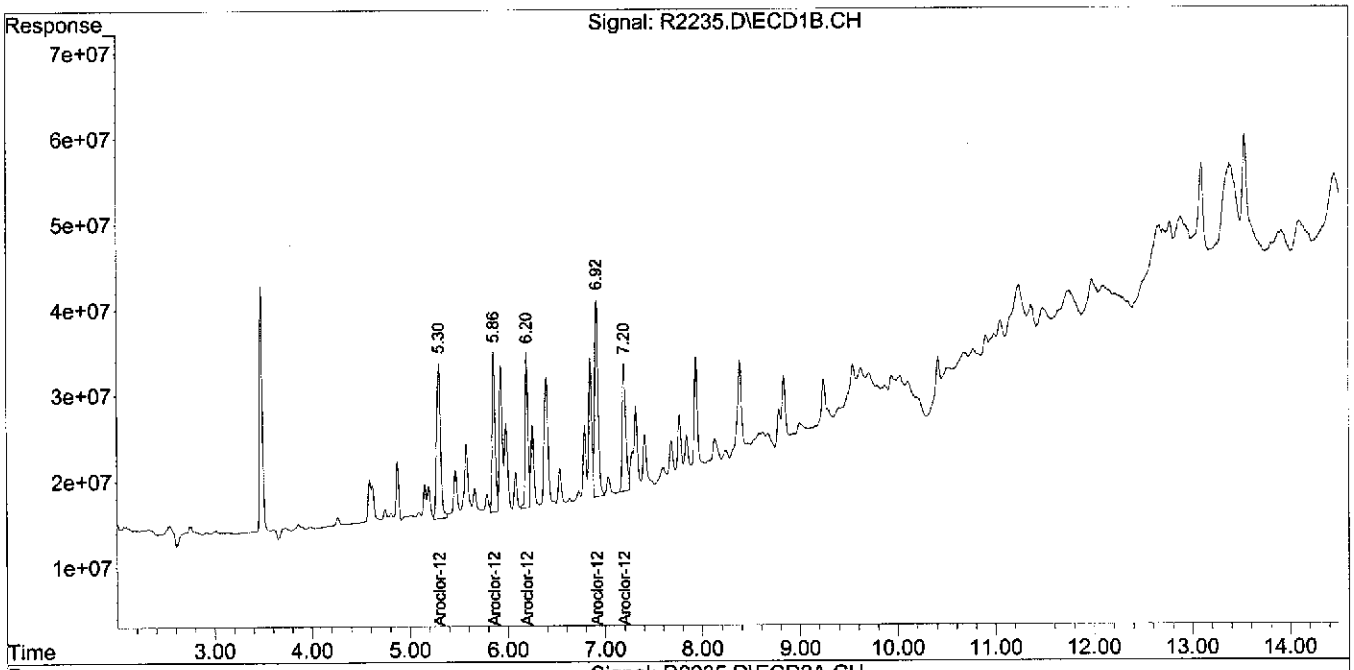
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

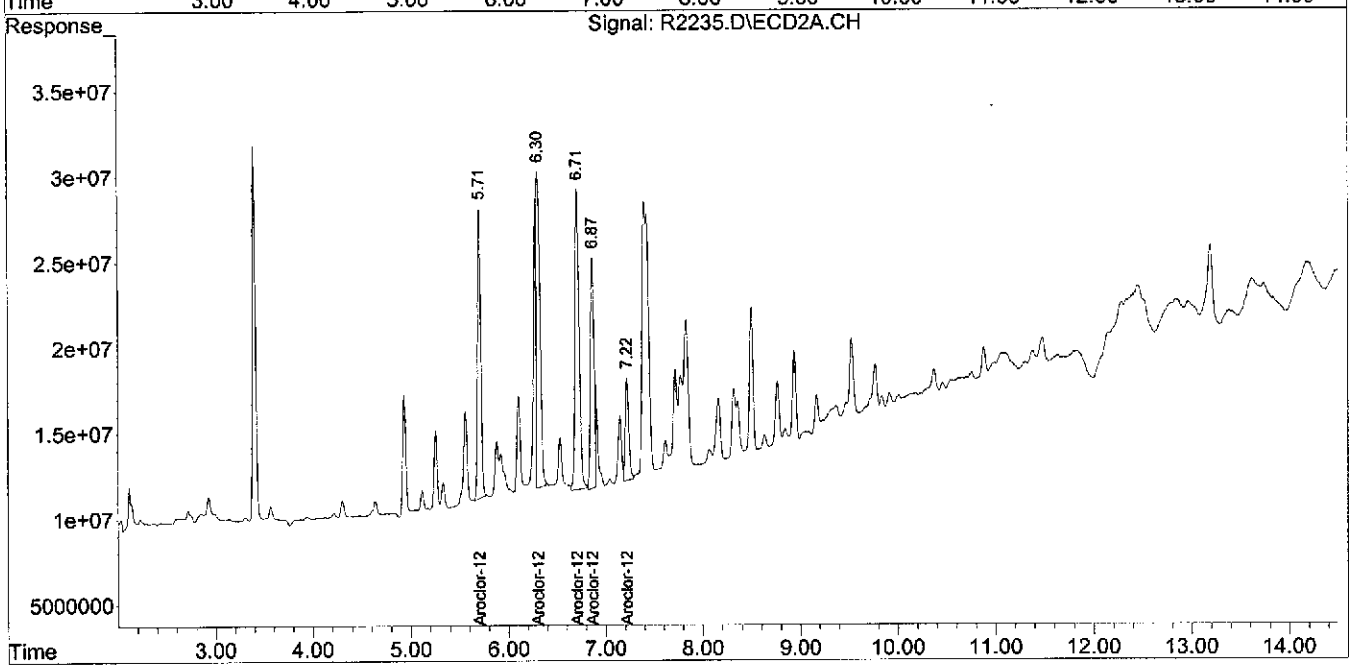
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2235.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 20:46
Operator : IB
Sample : Q-40_(0-2.,07070-032,S,5.58g,8.40,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,100
ALS Vial : 67 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:38:46 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2236.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 21:03
Operator : IB
Sample : Q-40_(2.0-,07070-033,S,5.01g,15.7,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,100
ALS Vial : 68 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:40:34 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 5.30 | 5.70 | 1262.1E6 | 904.0E6 | 147.568 | 176.607 |
| 24) L6 Aroclor-1248 {2} | 5.86 | 6.31 | 1236.6E6 | 2339.3E6 | 260.887 | 332.159 # |
| 25) L6 Aroclor-1248 {3} | 6.20 | 6.71 | 938.4E6 | 1109.3E6 | 177.174 | 214.194 |
| 26) L6 Aroclor-1248 {4} | 6.92 | 6.86 | 3307.5E6 | 843.3E6 | 348.223 | 191.043 # |
| 27) L6 Aroclor-1248 {5} | 7.20 | 7.22 | 1389.2E6 | 585.4E6 | 170.169 | 240.730 # |
| Sum Aroclor-1248 | | | 8133.8E6 | 5781.3E6 | 1104.021 | 1154.733 |
| Average Aroclor-1248 | | | | | 220.804 | 230.947 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| 33) L8 Aroclor-1260 | 9.25 | 8.76 | 9715.2E6 | 2886.4E6 | 436.378 | 594.503 # |
| 34) L8 Aroclor-1260 {2} | 9.94 | 9.17 | 5226.4E6 | 3100.8E6 | 528.138 | 551.885 |
| 35) L8 Aroclor-1260 {3} | 10.41 | 10.37 | 18629.8E6 | 2549.5E6 | 569.659 | 603.859m |
| 36) L8 Aroclor-1260 {4} | 10.91 | 10.88 | 6728.2E6 | 5884.6E6 | 472.992 | 665.202m# |
| 37) L8 Aroclor-1260 {5} | 11.98 | 11.48 | 4174.9E6 | 4150.6E6 | 631.216 | 640.317m |
| Sum Aroclor-1260 | | | 44474.5E6 | 18571.9E6 | 2638.383 | 3055.766 |
| Average Aroclor-1260 | | | | | 527.677 | 611.153 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

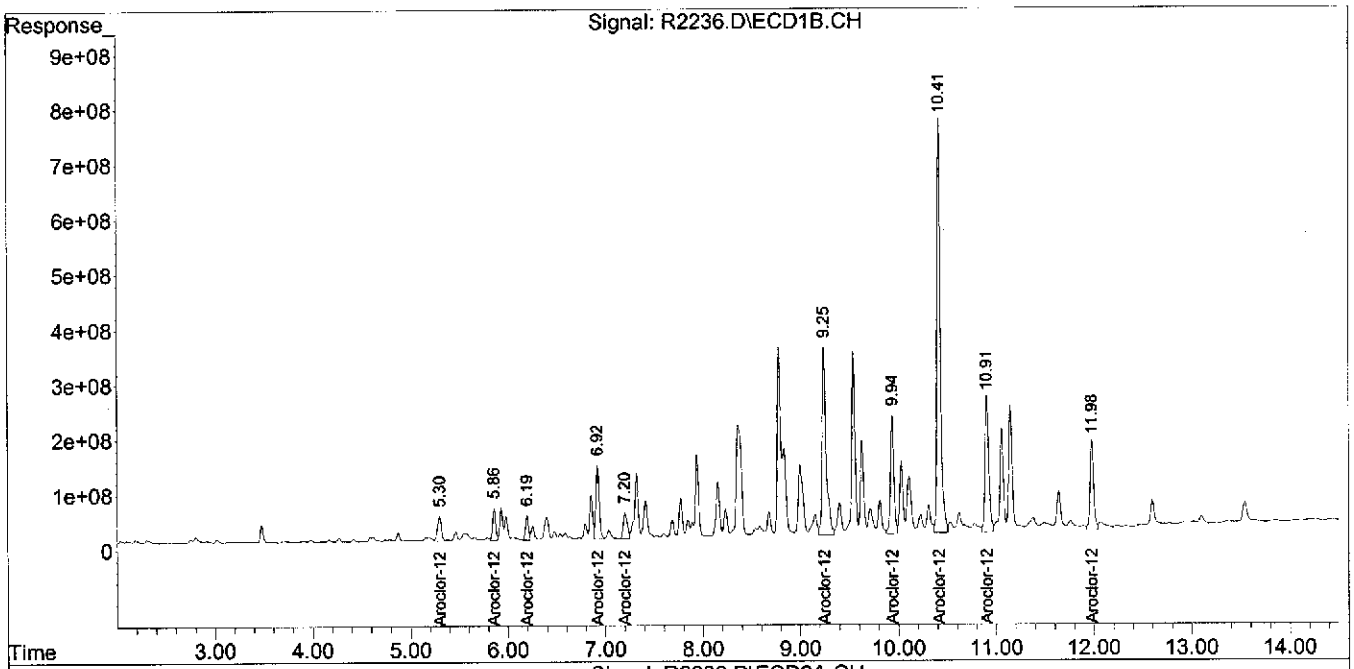
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

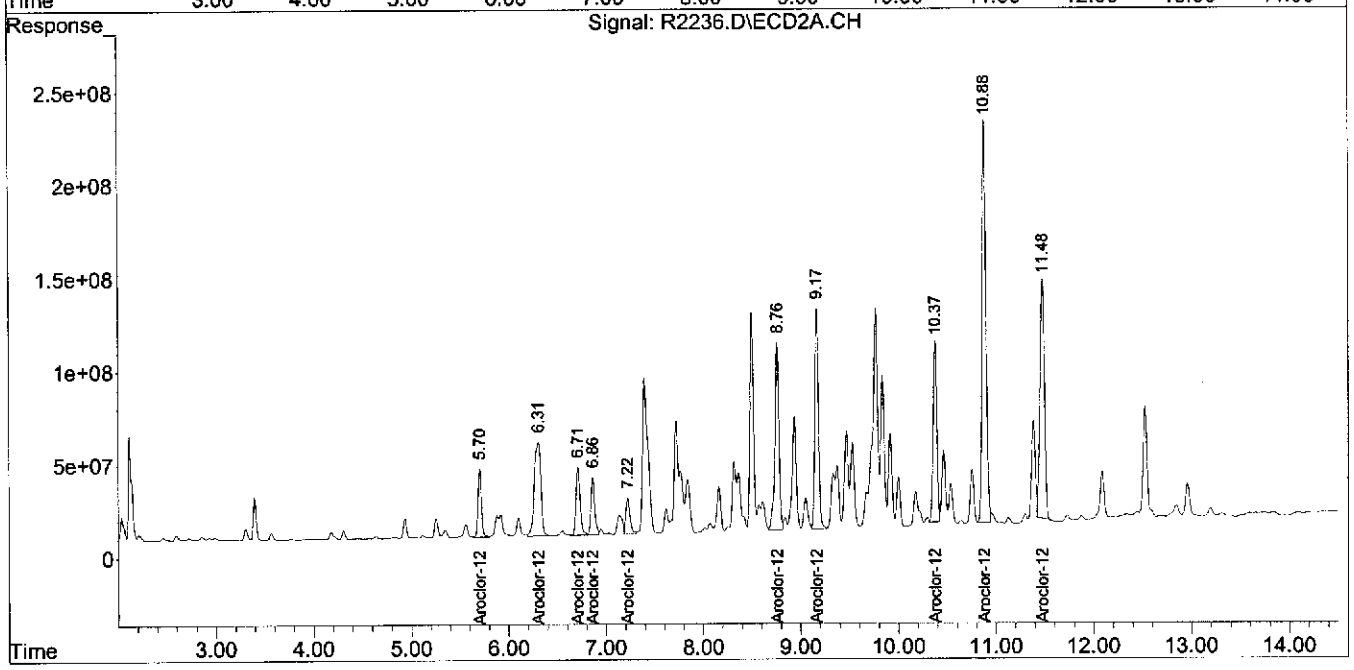
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2236.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 21:03
Operator : IB
Sample : Q-40_(2.0-,07070-033,S,5.01g,15.7,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,100
ALS Vial : 68 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:40:34 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2237.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 21:21
Operator : IB
Sample : Q-40_(4.0-,07070-034,S,5.26g,38.3,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1
ALS Vial : 69 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:43:25 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 3.47 | 3.40 | 33220.1E6 | 38098.6E6 | 188.397 | 280.950 # |
| Spiked Amount 200.000 | | | Recovery | = | 94.20% | 140.47% |
| 2) S DCB | 13.10 | 13.19 | 21649.7E6 | 8277.4E6 | 279.488 | 238.615 |
| Spiked Amount 200.000 | | | Recovery | = | 139.74% | 119.31% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1248 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1248 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| 33) L8 Aroclor-1260 | 9.25 | 8.76 | 29291.1E6 | 9529.9E6 | 1315.676 | 1962.883m# |
| 34) L8 Aroclor-1260 {2} | 9.94 | 9.17 | 13848.5E6 | 12282.9E6 | 1399.430 | 2186.141 # |
| 35) L8 Aroclor-1260 {3} | 10.42 | 10.37 | 48822.4E6 | 8462.7E6 | 1492.882 | 2004.394m# |
| 36) L8 Aroclor-1260 {4} | 10.91 | 10.88 | 22513.6E6 | 20167.1E6 | 1582.714 | 2279.707m# |
| 37) L8 Aroclor-1260 {5} | 11.98 | 11.48 | 10459.0E6 | 15017.7E6 | 1581.325 | 2316.778m# |
| Sum Aroclor-1260 | | | 124934.7E6 | 65460.3E6 | 7372.026 | 10749.902 |
| Average Aroclor-1260 | | | | | 1474.405 | 2149.980 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

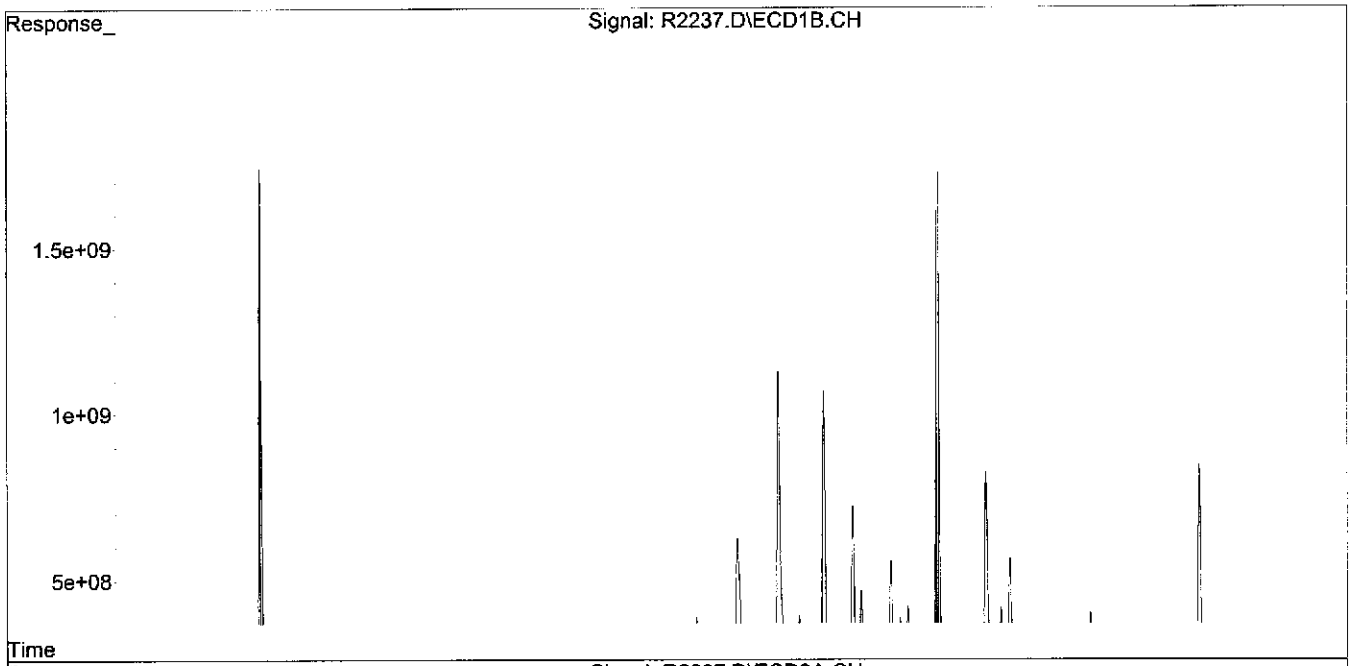
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

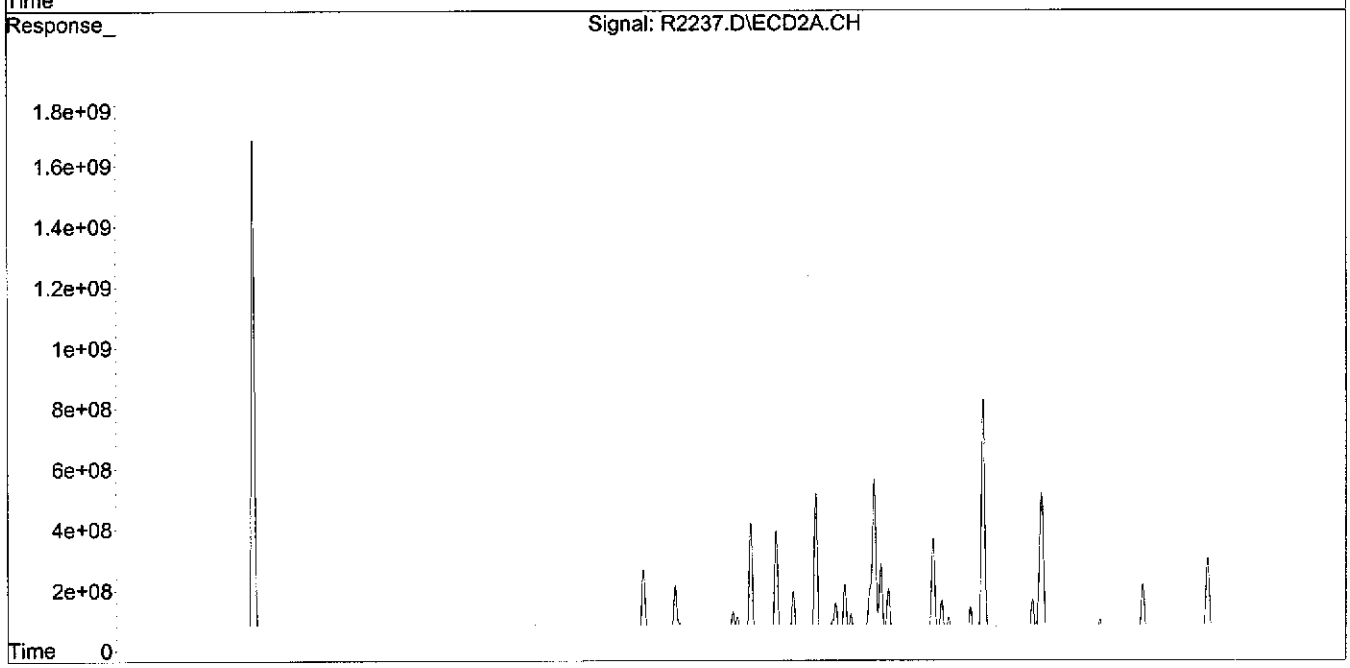
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2237.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 21:21
Operator : IB
Sample : Q-40_(4.0-,07070-034,S,5.26g,38.3,07/23/12,4
Misc : 120723-12,07/16/12,07/16/12,1
ALS Vial : 69 Sample Multiplier: 1

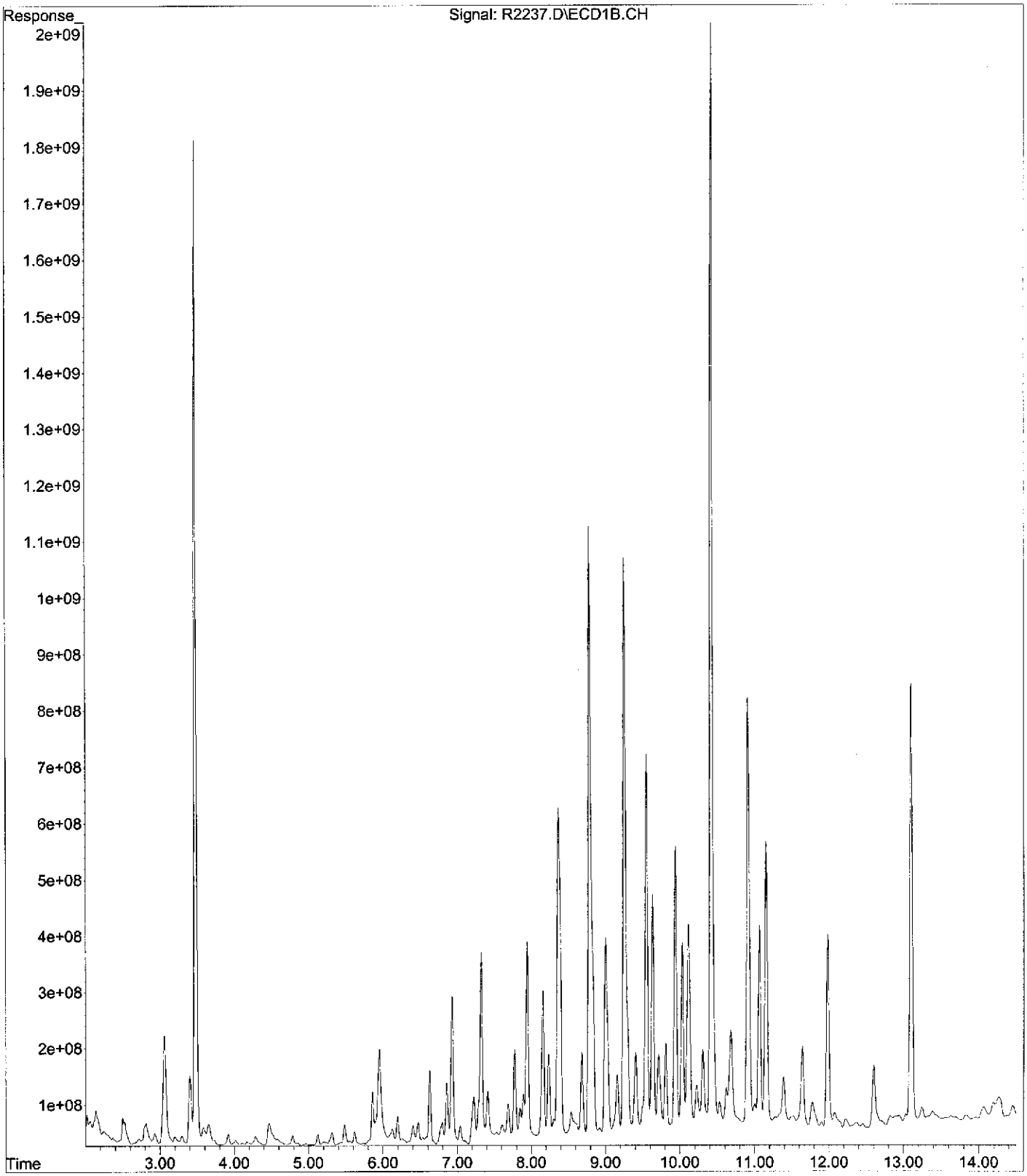
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:43:25 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

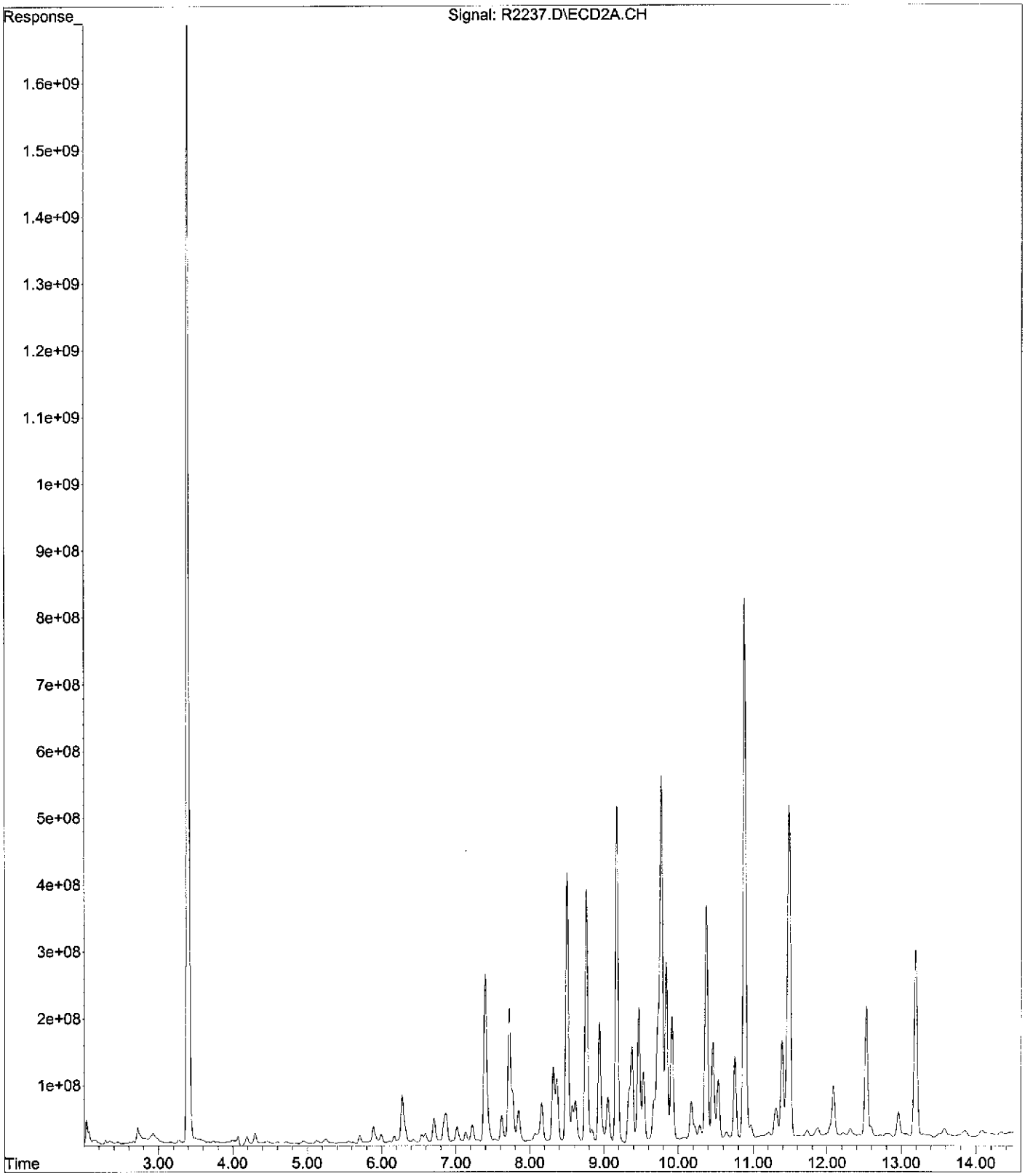


File :C:\MSDCHEM\1\DATA\07-31-12\R2237.D
Operator : IB
Acquired : 31 Jul 2012 21:21 using AcqMethod RPCB0725.M
Instrument : GC_R
Sample Name: Q-40_(4.0-,07070-034,S,5.26g,38.3,07/23/12,4
Misc Info : 120723-12,07/16/12,07/16/12,1
Vial Number: 69



File :C:\MSDCHEM\1\DATA\07-31-12\R2237.D
Operator : IB
Acquired : 31 Jul 2012 21:21 using AcqMethod RPCB0725.M
Instrument : GC_R
Sample Name: Q-40_(4.0-,07070-034,S,5.26g,38.3,07/23/12,4
Misc Info : 120723-12,07/16/12,07/16/12,1
Vial Number: 69



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7643.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jul 2012 19:33
Operator : YG
Sample : Q-40_(6.0-,07070-035,S,5.18g,36.7,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,10
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:08:00 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | | |
| 1) S TCMX | | 2.82 | 2.91 | 2049.3E6 | 760.5E6 | 21.556 | 21.758 |
| Spiked Amount 200.000 | | | | Recovery = | | 10.78% | 10.88% |
| 2) S DCB | | 12.09 | 12.50 | 1000.3E6 | 127.2E6 | 48.540m | 14.802m# |
| Spiked Amount 200.000 | | | | Recovery = | | 24.27% | 7.40% |
| Target Compounds | | | | | | | |
| Sum Aroclor-1016 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1248 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1248 | | | | | | 0.000 | 0.000 |
| 28) L7 Aroclor-1254 | | 6.46 | 7.12 | 6304.1E6 | 2260.4E6 | 1070.161 | 1043.147 |
| 29) L7 Aroclor-1254 | {2} | 6.89 | 7.70 | 2935.6E6 | 2143.2E6 | 756.766 | 1254.642 # |
| 30) L7 Aroclor-1254 | {3} | 7.05 | 8.32 | 5656.9E6 | 1948.3E6 | 763.206 | 1156.890 # |
| 31) L7 Aroclor-1254 | {4} | 7.49 | 8.54 | 7990.3E6 | 1875.4E6 | 1039.003 | 1945.219 # |
| 32) L7 Aroclor-1254 | {5} | 8.33 | 9.13 | 5975.1E6 | 3526.0E6 | 865.954 | 1474.775 # |
| Sum Aroclor-1254 | | | | 28862.1E6 | 11753.3E6 | 4495.090 | 6874.674 |
| Average Aroclor-1254 | | | | | | 899.018 | 1374.935 |
| 33) L8 Aroclor-1260 | | 8.33 | 7.88 | 5975.1E6 | 2855.4E6 | 822.621 | 2655.163 # |
| 34) L8 Aroclor-1260 | {2} | 9.01 | 8.14 | 1764.8E6 | 1816.4E6 | 556.888 | 1146.293 # |
| 35) L8 Aroclor-1260 | {3} | 9.48 | 9.73 | 5319.9E6 | 1596.9E6 | 644.616 | 1205.387 # |
| 36) L8 Aroclor-1260 | {4} | 9.96 | 10.23 | 2833.5E6 | 2222.5E6 | 685.626 | 770.131 |
| 37) L8 Aroclor-1260 | {5} | 11.01 | 10.82 | 947.9E6 | 1767.7E6 | 563.195 | 869.690 # |
| Sum Aroclor-1260 | | | | 16841.1E6 | 10258.9E6 | 3272.945 | 6646.665 |
| Average Aroclor-1260 | | | | | | 654.589 | 1329.333 |
| Sum Aroclor-1262 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | | 0.000 | 0.000 |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7643.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jul 2012 19:33
Operator : YG
Sample : Q-40_(6.0-,07070-035,S,5.18g,36.7,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,10
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:08:00 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|

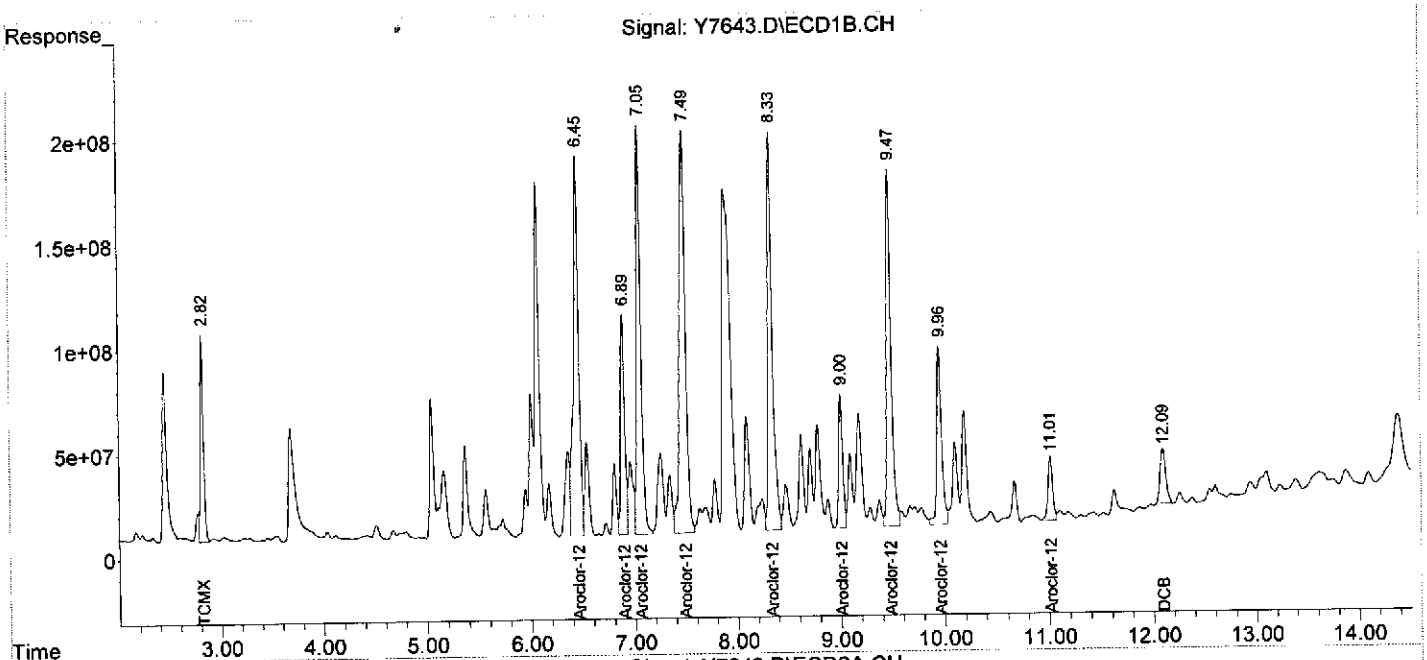
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

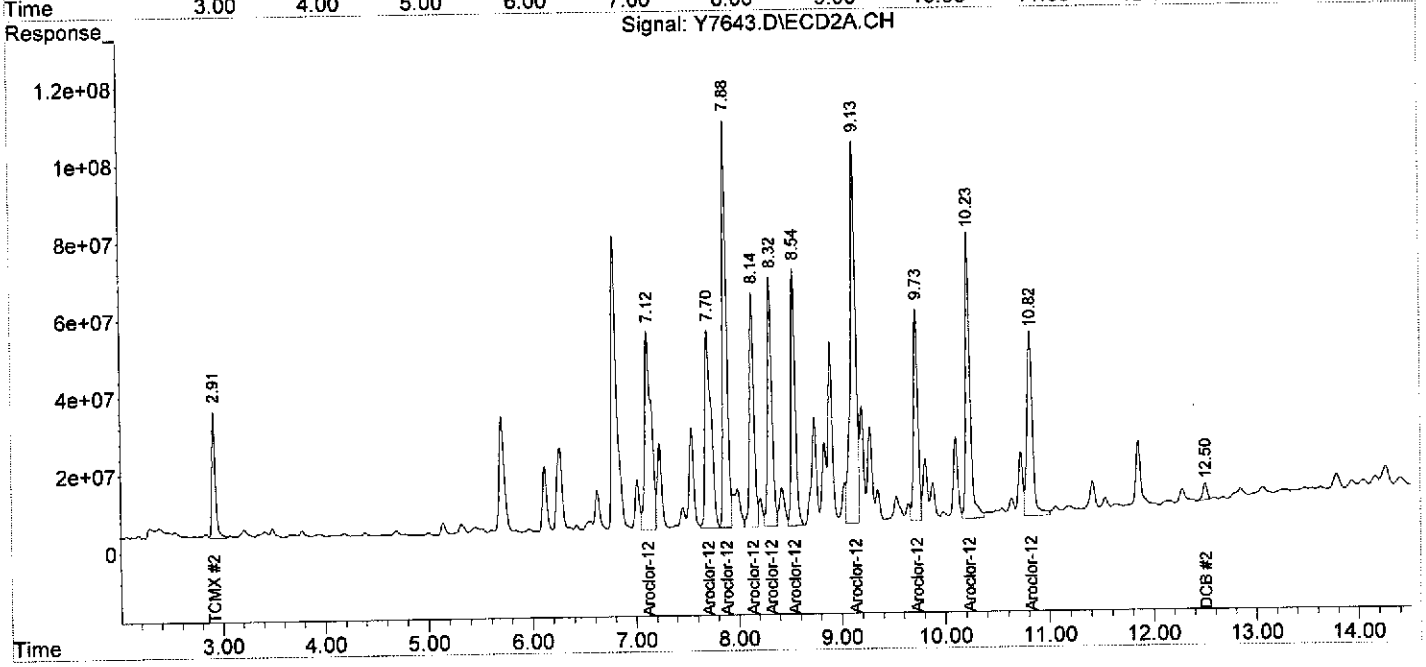
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7643.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jul 2012 19:33
Operator : YG
Sample : Q-40_(6.0-,07070-035,S,5.18g,36.7,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,10
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:08:00 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7644.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jul 2012 19:50
Operator : YG
Sample : Q-41_(0-2.,07070-036,S,5.40g,7.50,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,100
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:09:37 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | | |
| Target Compounds | | | | | | | |
| Sum Aroclor-1016 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | | 4.52 | 5.14 | 122.8E6 | 58615827 | 27.845 | 36.771m# |
| 24) L6 Aroclor-1248 | {2} | 5.05 | 5.73 | 47362466 | 49089238 | 19.541 | 20.955m |
| 25) L6 Aroclor-1248 | {3} | 5.37 | 6.12 | 62557460 | 35994913 | 20.387 | 21.251 |
| 26) L6 Aroclor-1248 | {4} | 6.07 | 6.28 | 175.2E6 | 22554027 | 31.436 | 15.516 # |
| 27) L6 Aroclor-1248 | {5} | 6.34 | 6.63 | 99094664 | 15835235 | 23.789 | 18.860m |
| Sum Aroclor-1248 | | | | 507.0E6 | 182.1E6 | 122.997 | 113.352 |
| Average Aroclor-1248 | | | | | | 24.599 | 22.670 |
| Sum Aroclor-1254 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1260 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | | 0.000 | 0.000 |

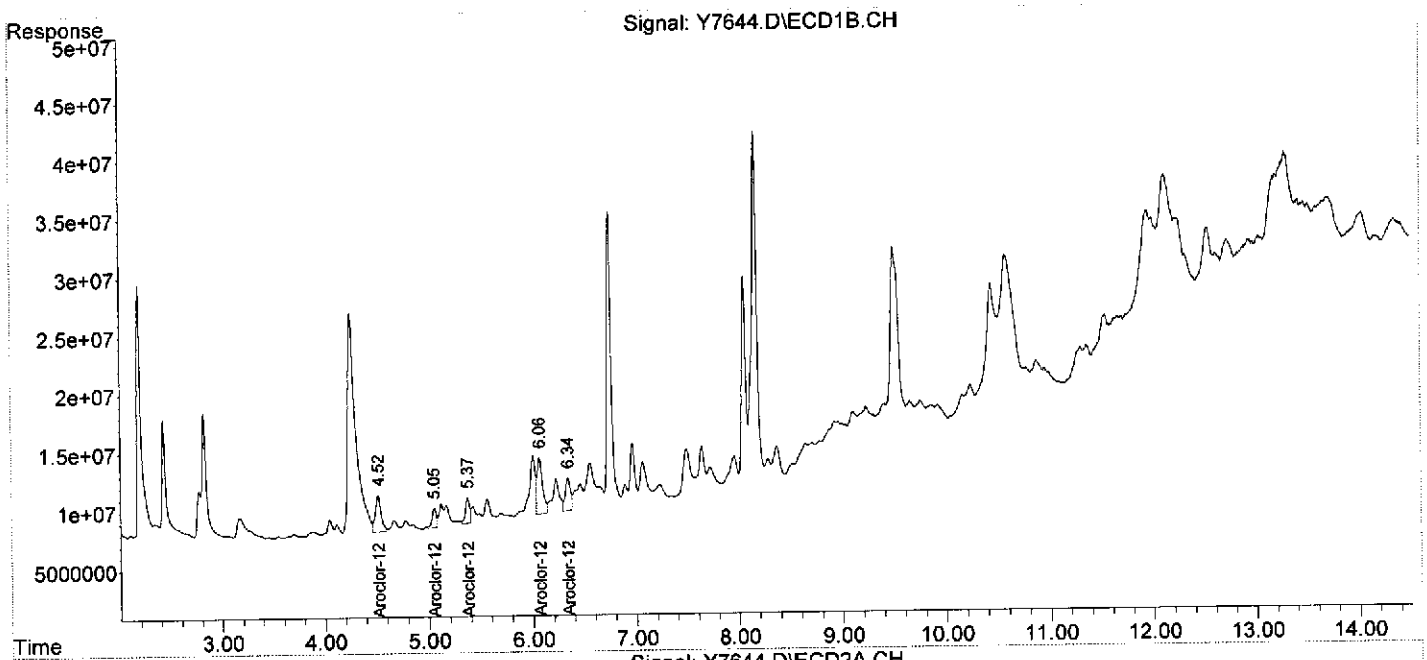
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

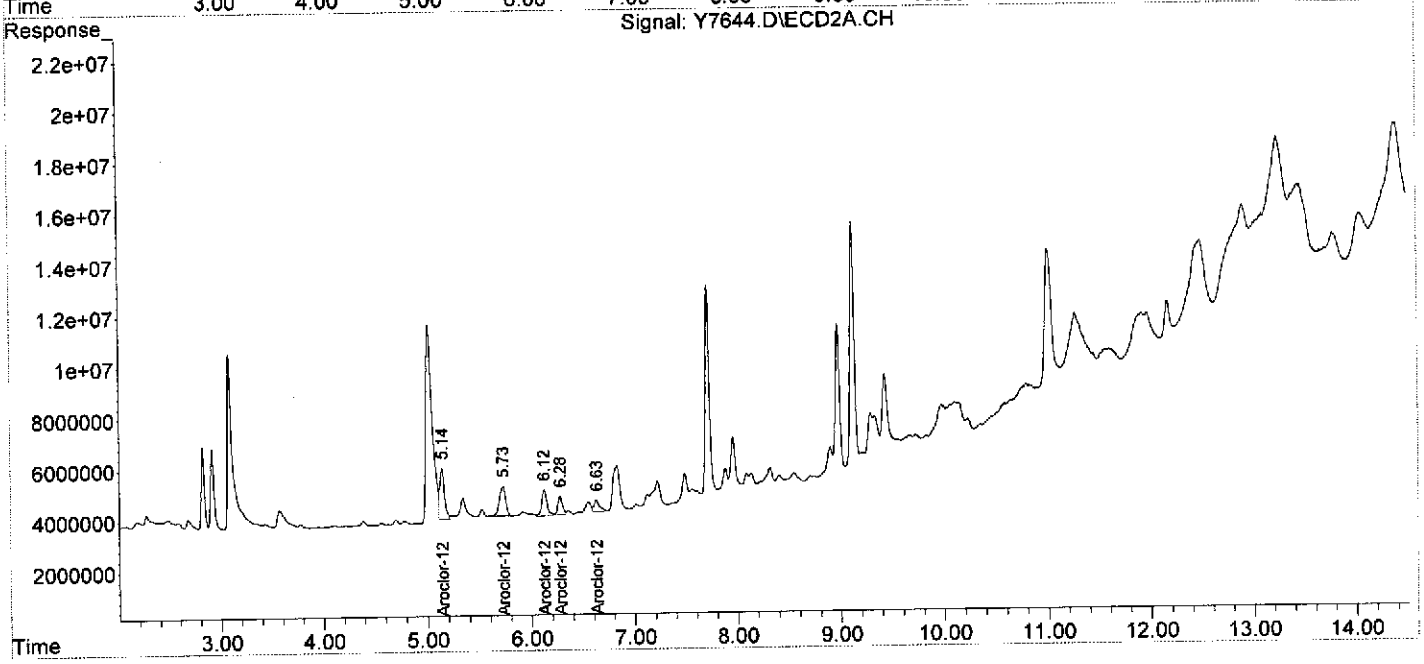
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7644.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jul 2012 19:50
Operator : YG
Sample : Q-41_(0-2.,07070-036,S,5.40g,7.50,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,100
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:09:37 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7645.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jul 2012 20:08
Operator : YG
Sample : Q-41_(2.0-,07070-037,S,5.83g,17.5,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,10
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:10:08 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.92 | 2331.9E6 | 785.2E6 | 24.528 | 22.466 |
| Spiked Amount 200.000 | | | Recovery = | | 12.26% | 11.23% |
| 2) S DCB | 12.10 | 12.50 | 571.6E6 | 159.3E6 | 27.735m | 18.537m# |
| Spiked Amount 200.000 | | | Recovery = | | 13.87% | 9.27% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 4.52 | 5.14 | 6594.1E6 | 2122.1E6 | 1495.617 | 1331.251 |
| 24) L6 Aroclor-1248 {2} | 5.05 | 5.72 | 3493.2E6 | 3390.3E6 | 1441.210 | 1447.215 |
| 25) L6 Aroclor-1248 {3} | 5.37 | 6.12 | 5209.9E6 | 2517.2E6 | 1697.848 | 1486.123 |
| 26) L6 Aroclor-1248 {4} | 6.07 | 6.28 | 11317.3E6 | 1926.0E6 | 2030.693 | 1325.021 # |
| 27) L6 Aroclor-1248 {5} | 6.34 | 6.63 | 7146.9E6 | 1194.1E6 | 1715.727 | 1422.217 |
| Sum Aroclor-1248 | | | 33761.3E6 | 11149.8E6 | 8381.094 | 7011.826 |
| Average Aroclor-1248 | | | | | 1676.219 | 1402.365 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| 33) L8 Aroclor-1260 | 8.34 | 7.88 | 7821.3E6 | 2650.0E6 | 1076.801 | 2464.151 # |
| 34) L8 Aroclor-1260 {2} | 9.01 | 8.14 | 3513.0E6 | 1846.5E6 | 1108.558 | 1165.262 |
| 35) L8 Aroclor-1260 {3} | 9.48 | 9.73 | 9503.4E6 | 1556.3E6 | 1151.538 | 1174.686 |
| 36) L8 Aroclor-1260 {4} | 9.96 | 10.23 | 3543.4E6 | 3492.0E6 | 857.390 | 1210.022 # |
| 37) L8 Aroclor-1260 {5} | 11.02 | 10.82 | 2083.2E6 | 2412.2E6 | 1237.757 | 1186.813 |
| Sum Aroclor-1260 | | | 26464.3E6 | 11956.9E6 | 5432.043 | 7200.934 |
| Average Aroclor-1260 | | | | | 1086.409 | 1440.187 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7645.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jul 2012 20:08
Operator : YG
Sample : Q-41_(2.0-,07070-037,S,5.83g,17.5,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,10
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:10:08 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|

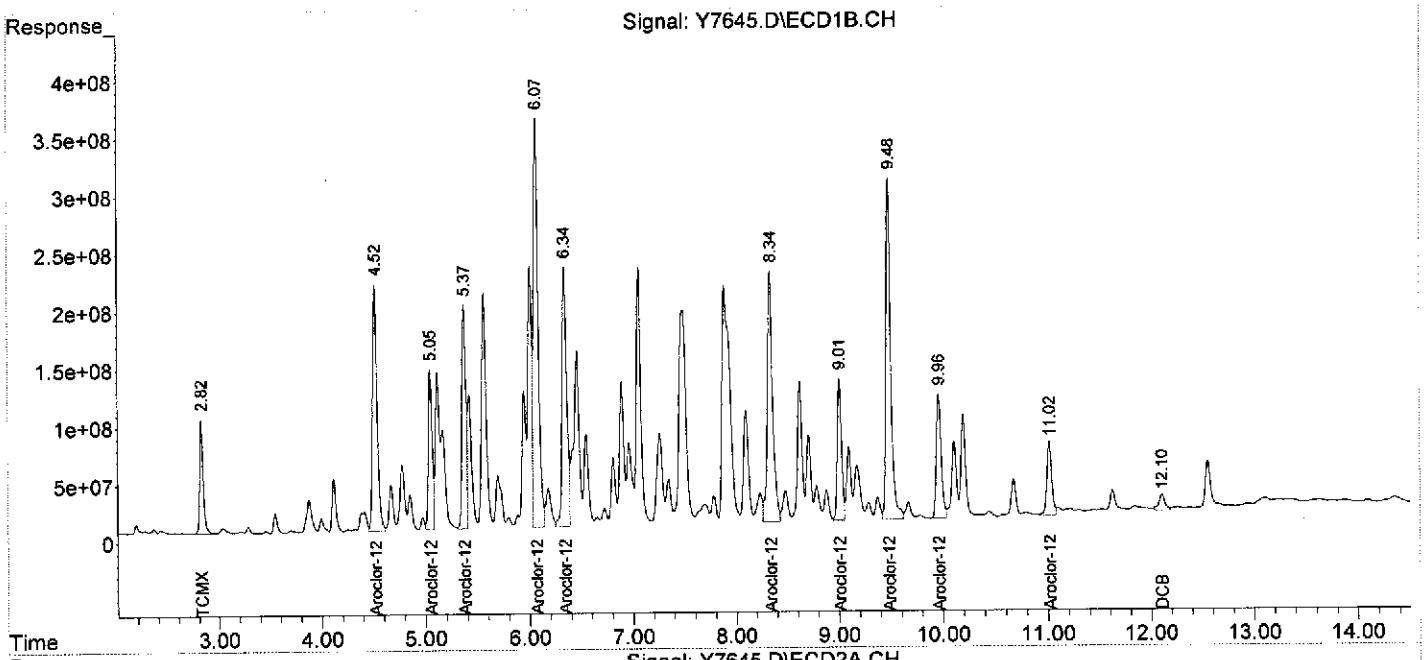
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

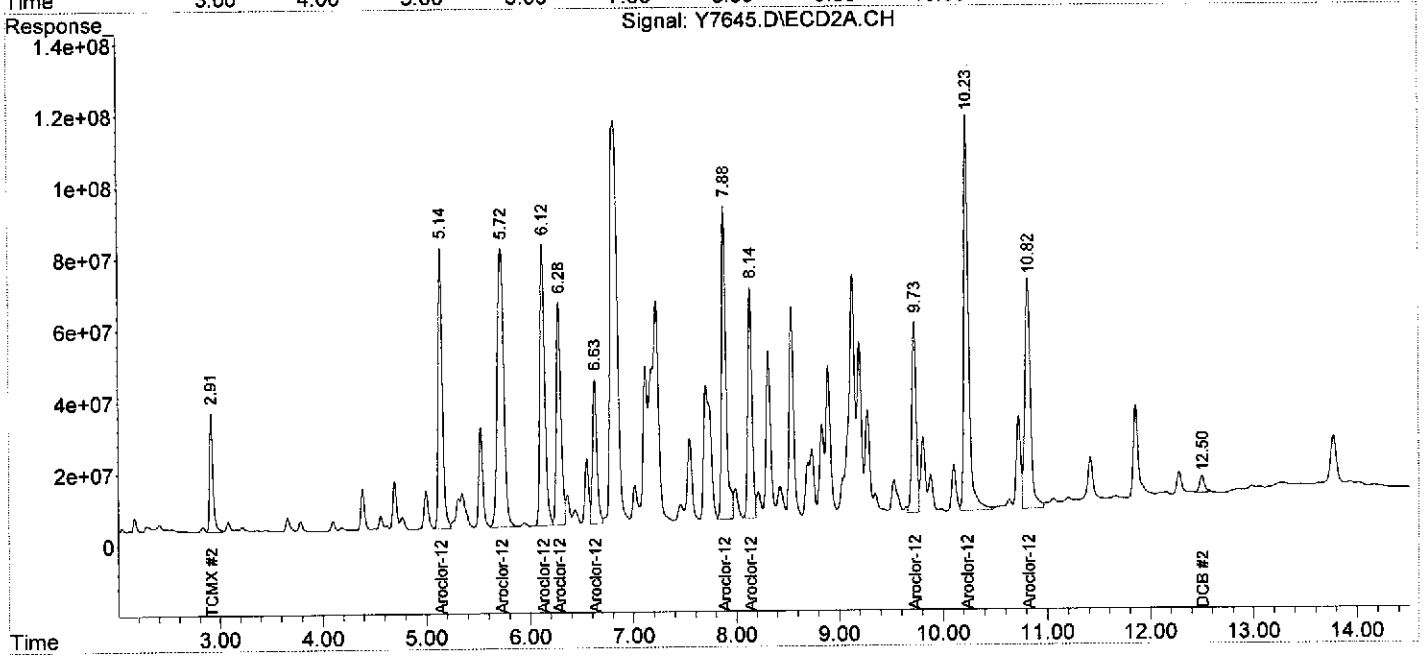
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7645.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jul 2012 20:08
Operator : YG
Sample : Q-41_(2.0-,07070-037,S,5.83g,17.5,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,10
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:10:08 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-01-12\
Data File : Y7758.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 19:17
Operator : YG
Sample : Q-41_(4.0-,07070-038,S,5.36g,31.7,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,10000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:24:59 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 | |
|---|---|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | | | |
| 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 | |
| 38) L9 Aroclor-1262 | | 8.63 | 9.73 | 3236.9E6 | 1076.9E6 | 419.562 | 471.048 | |
| 39) L9 Aroclor-1262 | {2} | 9.48 | 10.24 | 7920.7E6 | 2581.7E6 | 549.393 | 514.597 | |
| 40) L9 Aroclor-1262 | {3} | 10.11 | 10.73 | 1926.7E6 | 606.9E6 | 619.424 | 366.803 | # |
| 41) L9 Aroclor-1262 | {4} | 10.20 | 10.82 | 2519.5E6 | 1755.1E6 | 414.681 | 513.856 | |
| 42) L9 Aroclor-1262 | {5} | 11.02 | 11.42 | 1828.4E6 | 378.3E6 | 405.509 | 672.615 | # |
| Sum Aroclor-1262 | | | | 17432.3E6 | 6398.8E6 | 2408.568 | 2538.919 | |
| Average Aroclor-1262 | | | | | | 481.714 | 507.784 | |
| Sum Aroclor-1268 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1268 | | | | | | 0.000 | 0.000 | |

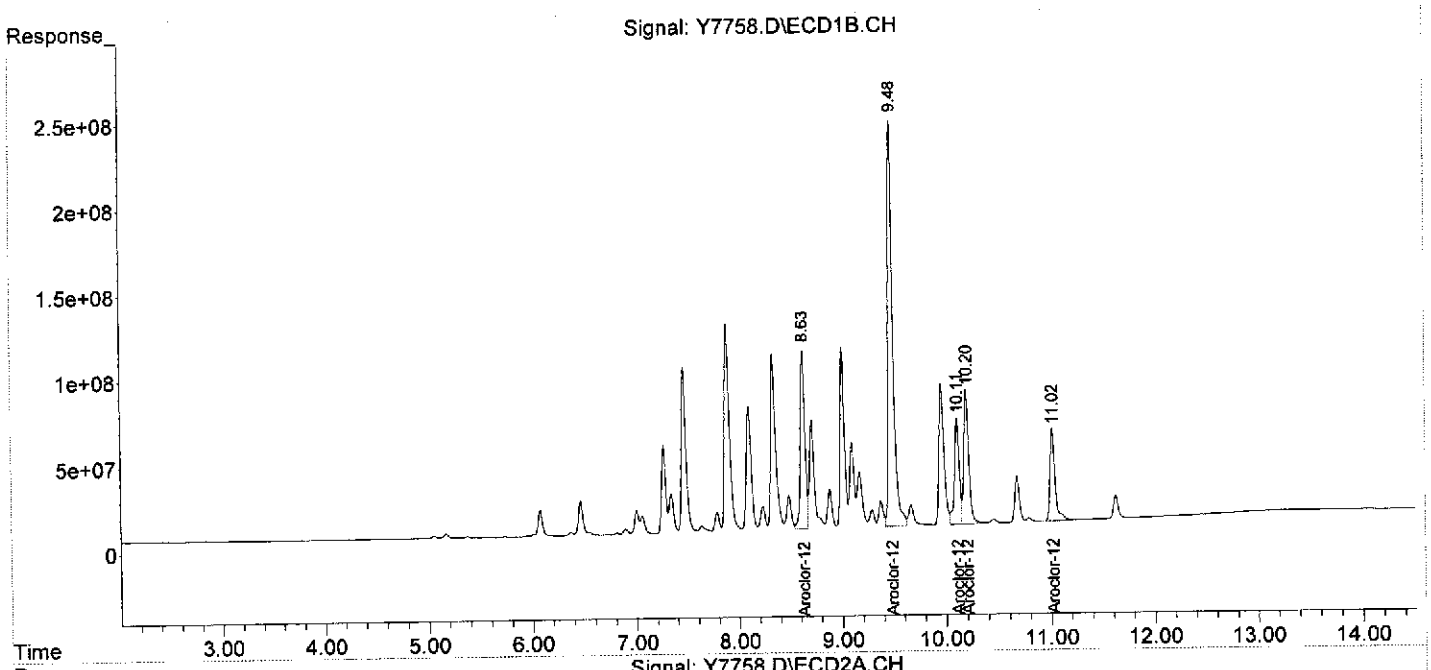
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

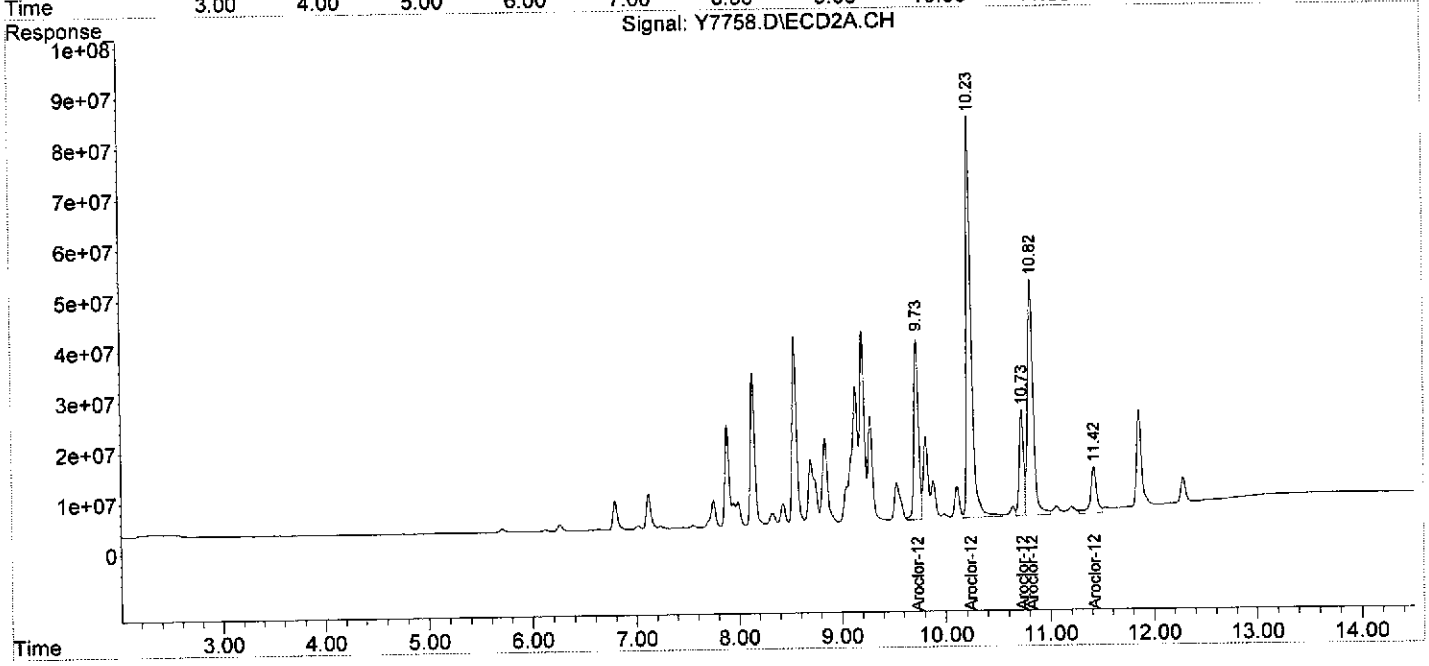
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-01-12\
Data File : Y7758.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 19:17
Operator : YG
Sample : Q-41_(4.0-,07070-038,S,5.36g,31.7,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,10000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:24:59 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7647.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jul 2012 20:42
Operator : YG
Sample : Q-41_(6.0-,07070-039,S,5.87g,12.8,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,100
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:20:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | | |
| Target Compounds | | | | | | | |
| Sum Aroclor-1016 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1248 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1248 | | | | | | 0.000 | 0.000 |
| 28) L7 Aroclor-1254 | | 6.46 | 7.12 | 535.4E6 | 215.2E6 | 90.879 | 99.300 |
| 29) L7 Aroclor-1254 | {2} | 6.89 | 7.71 | 269.8E6 | 591.3E6 | 69.548 | 346.125 # |
| 30) L7 Aroclor-1254 | {3} | 7.06 | 8.32 | 612.6E6 | 165.4E6 | 82.649 | 98.190 |
| 31) L7 Aroclor-1254 | {4} | 7.48 | 8.55 | 981.4E6 | 214.9E6 | 127.609 | 222.916 # |
| 32) L7 Aroclor-1254 | {5} | 8.34 | 9.12 | 997.8E6 | 704.3E6 | 144.611 | 294.567 # |
| Sum Aroclor-1254 | | | | 3396.9E6 | 1891.0E6 | 515.296 | 1061.099 |
| Average Aroclor-1254 | | | | | | 103.059 | 212.220 |
| 33) L8 Aroclor-1260 | | 8.34 | 7.88 | 997.8E6 | 260.1E6 | 137.375 | 241.833 # |
| 34) L8 Aroclor-1260 | {2} | 9.01 | 8.14 | 359.0E6 | 231.2E6 | 113.277 | 145.889 # |
| 35) L8 Aroclor-1260 | {3} | 9.49 | 9.73 | 1942.3E6 | 197.6E6 | 235.357 | 149.159m# |
| 36) L8 Aroclor-1260 | {4} | 9.96 | 10.23 | 387.5E6 | 346.8E6 | 93.750 | 120.171m# |
| 37) L8 Aroclor-1260 | {5} | 11.02 | 10.82 | 241.9E6 | 271.1E6 | 143.708 | 133.363m |
| Sum Aroclor-1260 | | | | 3928.5E6 | 1306.7E6 | 723.467 | 790.415 |
| Average Aroclor-1260 | | | | | | 144.693 | 158.083 |
| Sum Aroclor-1262 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | | 0.000 | 0.000 |

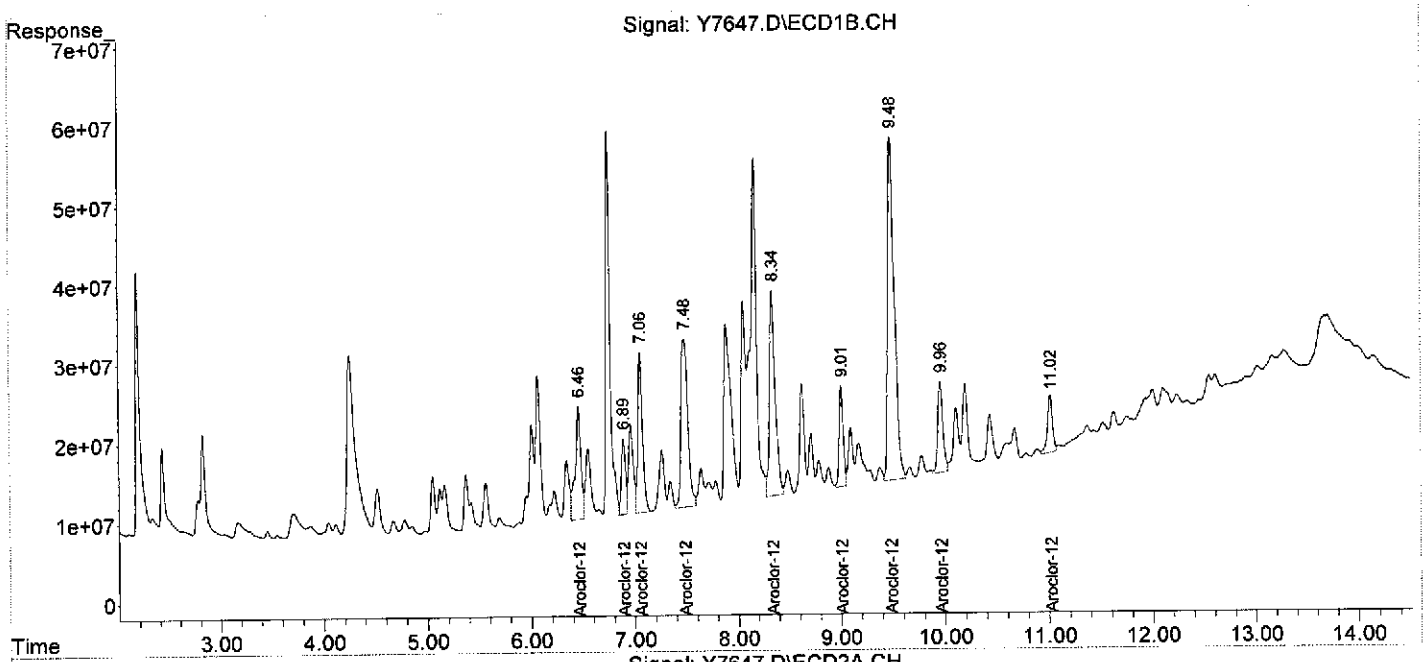
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

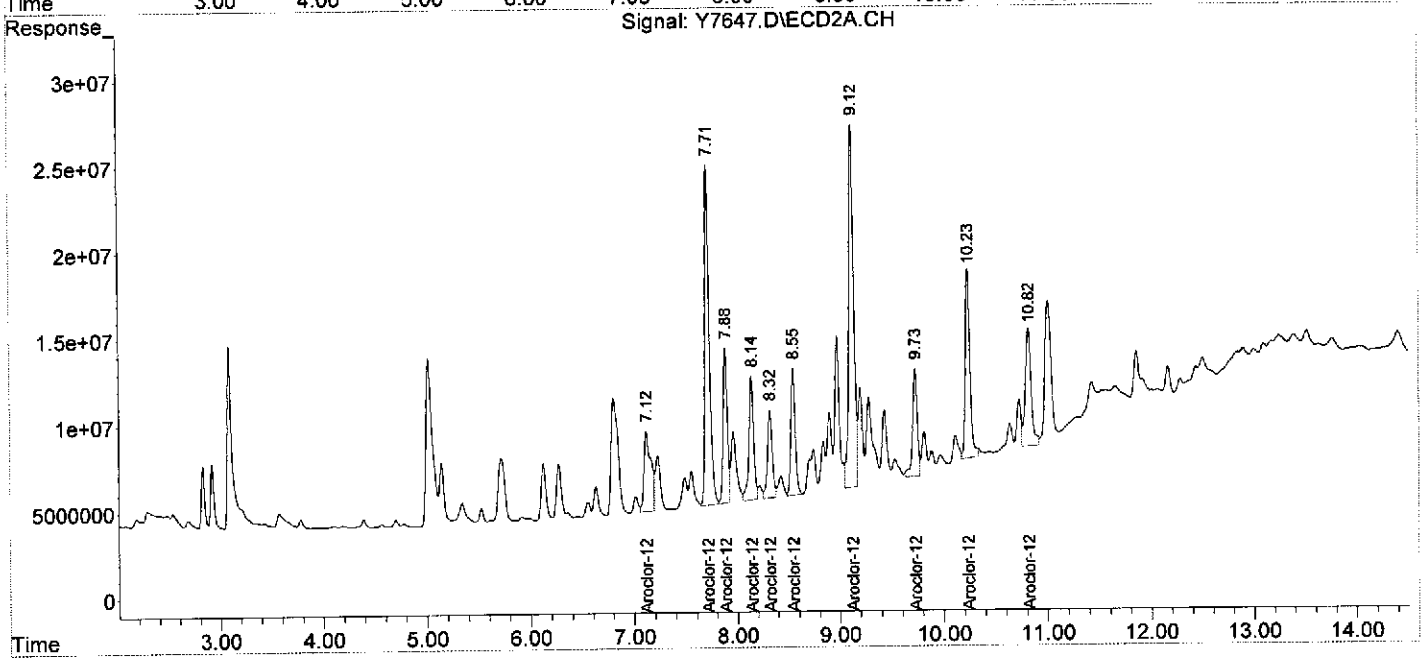
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7647.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jul 2012 20:42
Operator : YG
Sample : Q-41_(6.0-,07070-039,S,5.87g,12.8,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,100
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:20:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7648.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jul 2012 20:59
Operator : YG
Sample : Q-41_(8.0-,07070-040,S,5.65g,33.1,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,100
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:20:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1248 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1248 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| 33) L8 Aroclor-1260 | 8.33 | 7.88 | 5616.7E6 | 2039.5E6 | 773.274 | 1896.524 # |
| 34) L8 Aroclor-1260 {2} | 9.01 | 8.14 | 4981.2E6 | 2396.1E6 | 1571.869 | 1512.113 |
| 35) L8 Aroclor-1260 {3} | 9.48 | 9.73 | 14504.8E6 | 2810.0E6 | 1757.569 | 2121.022 |
| 36) L8 Aroclor-1260 {4} | 9.96 | 10.23 | 6048.1E6 | 5838.9E6 | 1463.444 | 2023.267 # |
| 37) L8 Aroclor-1260 {5} | 11.02 | 10.82 | 3062.4E6 | 4440.4E6 | 1819.618 | 2184.661 |
| Sum Aroclor-1260 | | | 34213.2E6 | 17524.9E6 | 7385.775 | 9737.585 |
| Average Aroclor-1260 | | | | | 1477.155 | 1947.517 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

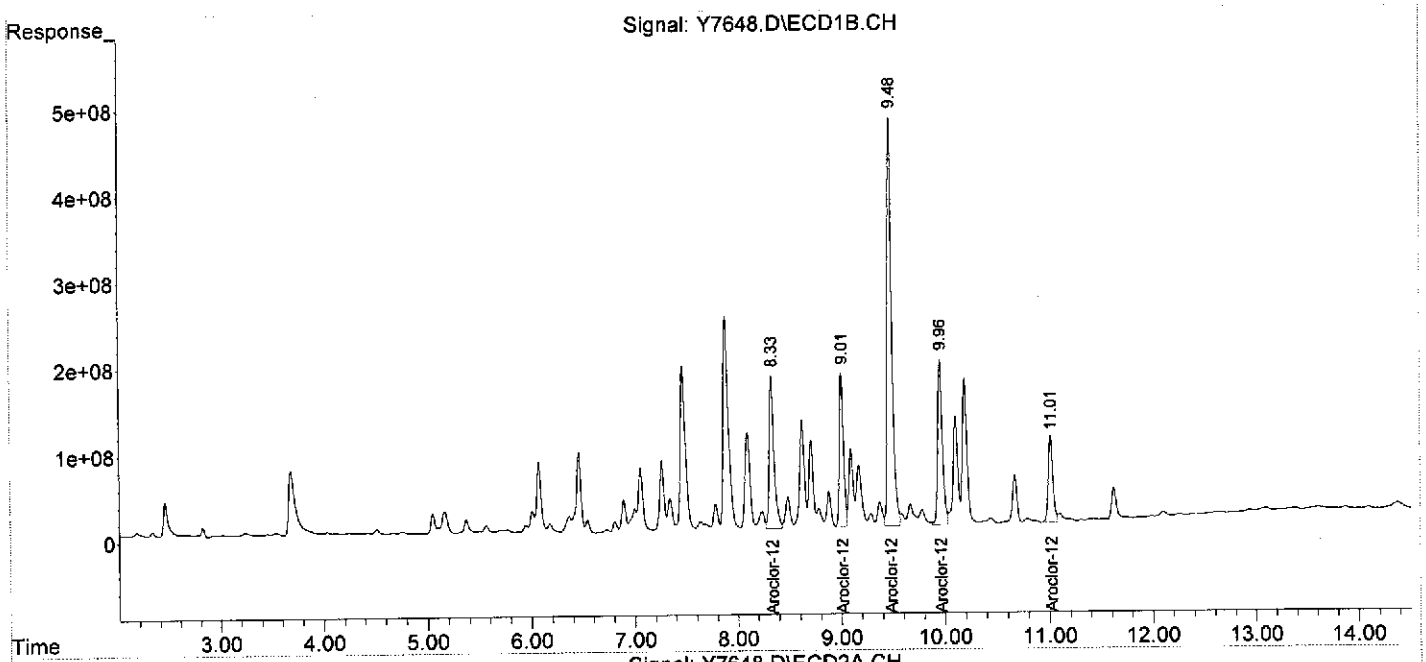
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

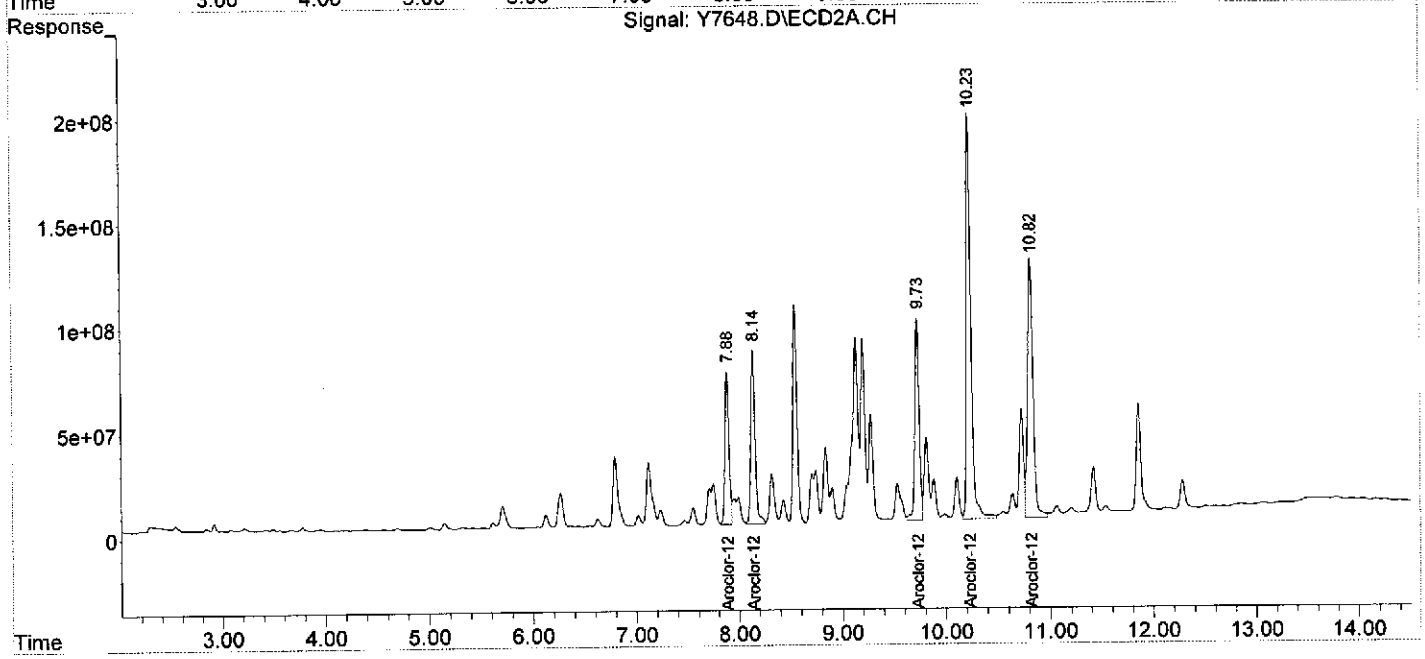
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7648.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jul 2012 20:59
Operator : YG
Sample : Q-41_(8.0-,07070-040,S,5.65g,33.1,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,100
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:20:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-01-12\
Data File : Y7759.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 19:35
Operator : YG
Sample : Q-41_(10.0,07070-041,S,5.91g,22.0,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,2
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:25:51 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 9956.6E6 | 3897.3E6 | 104.729 | 111.502 |
| Spiked Amount 200.000 | | | Recovery | = | 52.36% | 55.75% |
| 2) S DCB | 12.10 | 12.50 | 1982.1E6 | 691.3E6 | 96.179m | 80.446m |
| Spiked Amount 200.000 | | | Recovery | = | 48.09% | 40.22% |
| 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 |
| 33) L8 Aroclor-1260 | 8.33 | 7.88 | 5620.4E6 | 1463.5E6 | 773.791 | 1360.877 # |
| 34) L8 Aroclor-1260 {2} | 9.01 | 8.14 | 3902.2E6 | 1783.5E6 | 1231.376 | 1125.508 |
| 35) L8 Aroclor-1260 {3} | 9.48 | 9.73 | 11917.5E6 | 2320.9E6 | 1444.061 | 1751.854 |
| 36) L8 Aroclor-1260 {4} | 9.96 | 10.23 | 5013.0E6 | 3559.9E6 | 1212.996 | 1233.548 |
| 37) L8 Aroclor-1260 {5} | 11.02 | 10.82 | 2328.8E6 | 3530.3E6 | 1383.710 | 1736.887 # |
| Sum Aroclor-1260 | | | 28782.0E6 | 12658.0E6 | 6045.935 | 7208.674 |
| Average Aroclor-1260 | | | | | 1209.187 | 1441.735 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

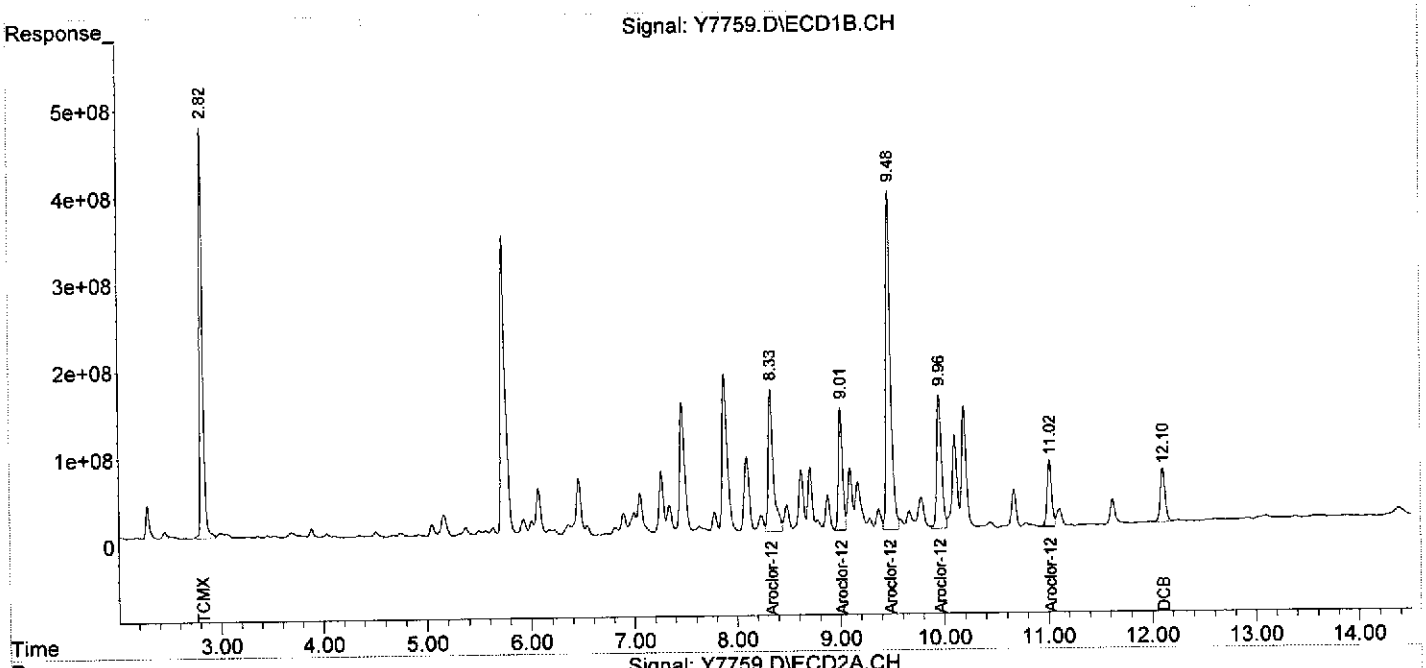
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

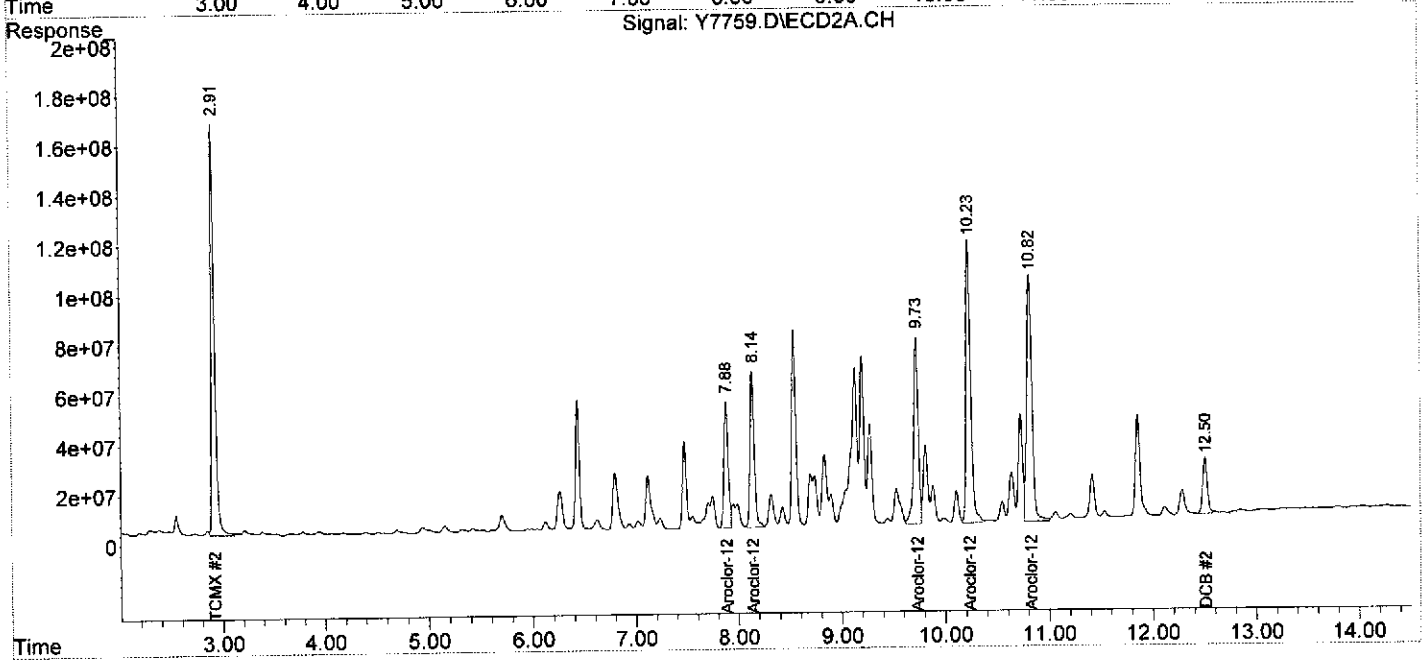
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-01-12\
Data File : Y7759.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 19:35
Operator : YG
Sample : Q-41_(10.0,07070-041,S,5.91g,22.0,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,2
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:25:51 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-01-12\
Data File : Y7760.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 19:52
Operator : YG
Sample : Q-42_(0-2.,07070-042,S,5.61g,21.0,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,100
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:29:00 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 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 | 6.46 | 7.12 | 1477.9E6 | 568.4E6 | 250.887 | 262.331 |
| 29) L7 Aroclor-1254 {2} | 6.89 | 7.71 | 778.6E6 | 415.8E6 | 200.727 | 243.397 |
| 30) L7 Aroclor-1254 {3} | 7.06 | 8.32 | 1690.3E6 | 417.2E6 | 228.052 | 247.723 |
| 31) L7 Aroclor-1254 {4} | 7.47 | 8.55 | 2705.6E6 | 623.5E6 | 351.815 | 646.711 # |
| 32) L7 Aroclor-1254 {5} | 8.34 | 9.13 | 2925.3E6 | 719.1E6 | 423.960 | 300.787m# |
| Sum Aroclor-1254 | | | 9577.8E6 | 2744.0E6 | 1455.441 | 1700.949 |
| Average Aroclor-1254 | | | | | 291.088 | 340.190 |
| 33) L8 Aroclor-1260 | 8.34 | 7.88 | 2925.3E6 | 749.6E6 | 402.744 | 697.063 # |
| 34) L8 Aroclor-1260 {2} | 9.01 | 8.14 | 1112.0E6 | 543.0E6 | 350.912 | 342.641 |
| 35) L8 Aroclor-1260 {3} | 9.48 | 9.73 | 2956.9E6 | 501.0E6 | 358.296 | 378.144 |
| 36) L8 Aroclor-1260 {4} | 9.96 | 10.23 | 1217.4E6 | 1025.1E6 | 294.568 | 355.221 |
| 37) L8 Aroclor-1260 {5} | 11.02 | 10.82 | 661.0E6 | 757.6E6 | 392.748 | 372.735 |
| Sum Aroclor-1260 | | | 8872.7E6 | 3576.3E6 | 1799.268 | 2145.804 |
| Average Aroclor-1260 | | | | | 359.854 | 429.161 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

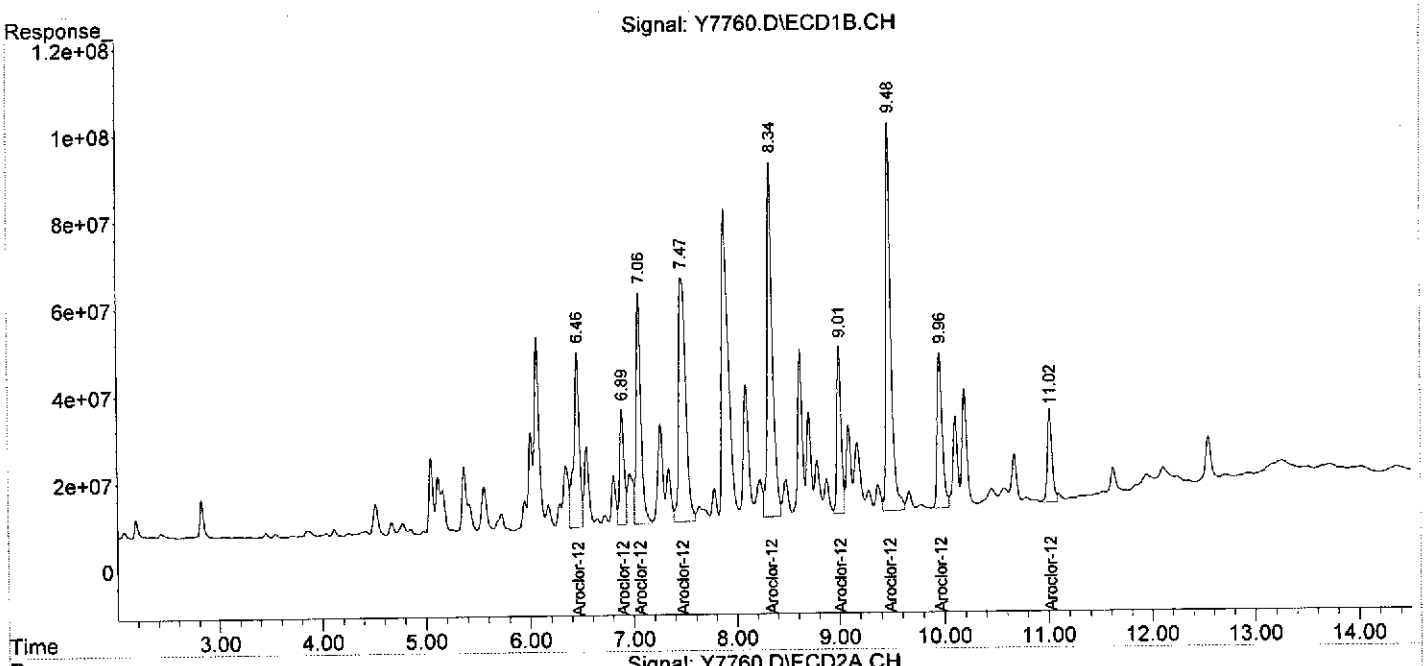
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

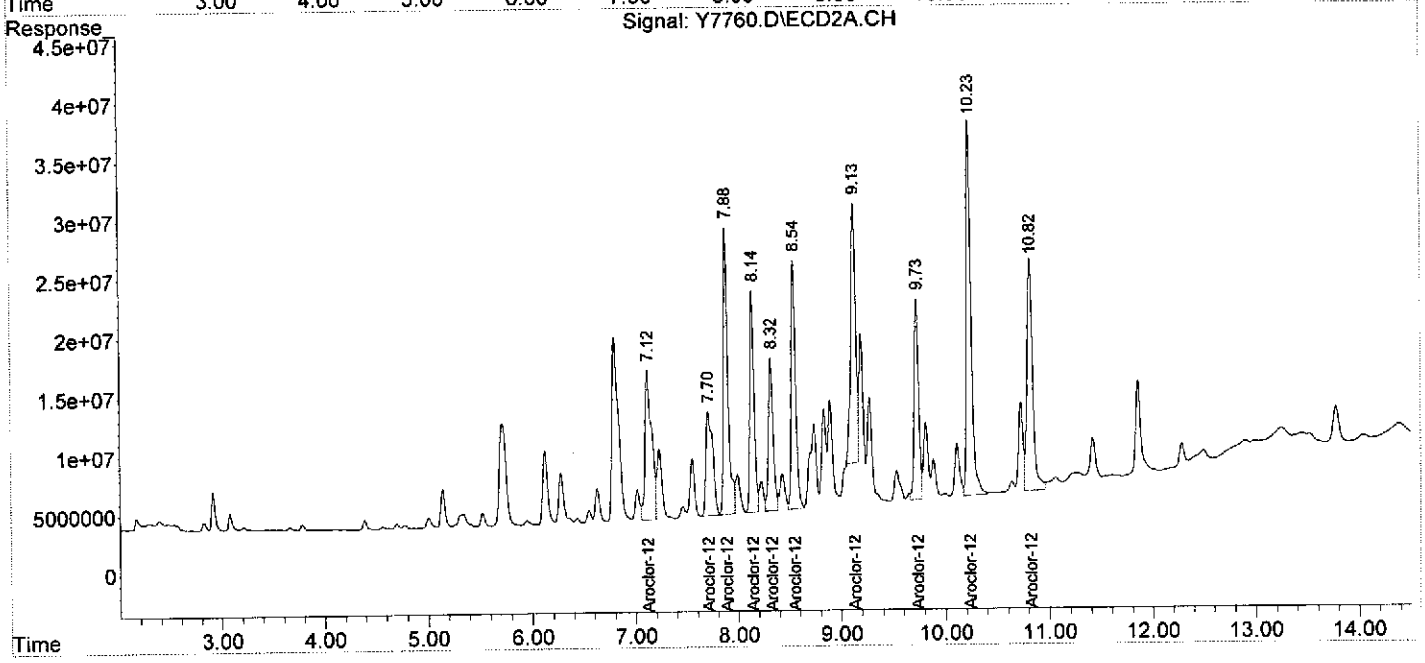
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-01-12\
Data File : Y7760.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 19:52
Operator : YG
Sample : Q-42_(0-2.,07070-042,S,5.61g,21.0,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,100
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:29:00 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-01-12\
Data File : Y7761.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 20:09
Operator : YG
Sample : Q-42_(2.0-,07070-043,S,5.52g,30.8,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,100
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:30:18 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 | |
|---|---|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | | | |
| 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 | | 6.46 | 7.12 | 2353.9E6 | 1025.0E6 | 399.586 | 473.039 | |
| 29) L7 Aroclor-1254 | {2} | 6.89 | 7.71 | 1153.9E6 | 631.7E6 | 297.471 | 369.815 | |
| 30) L7 Aroclor-1254 | {3} | 7.06 | 8.32 | 2633.8E6 | 662.0E6 | 355.338 | 393.075 | |
| 31) L7 Aroclor-1254 | {4} | 7.47 | 8.55 | 4162.2E6 | 1117.1E6 | 541.227 | 1158.636 | # |
| 32) L7 Aroclor-1254 | {5} | 8.34 | 9.13 | 4837.7E6 | 1870.0E6 | 701.112 | 782.146 | |
| Sum Aroclor-1254 | | | | 15141.5E6 | 5305.8E6 | 2294.733 | 3176.711 | |
| Average Aroclor-1254 | | | | | | 458.947 | 635.342 | |
| 33) L8 Aroclor-1260 | | 8.34 | 7.88 | 4837.7E6 | 1135.2E6 | 666.027 | 1055.562 | # |
| 34) L8 Aroclor-1260 | {2} | 9.01 | 8.14 | 1829.1E6 | 844.1E6 | 577.179 | 532.677 | |
| 35) L8 Aroclor-1260 | {3} | 9.48 | 9.73 | 5375.5E6 | 912.6E6 | 651.351 | 688.842 | |
| 36) L8 Aroclor-1260 | {4} | 9.96 | 10.23 | 2383.9E6 | 1717.2E6 | 576.817 | 595.025 | |
| 37) L8 Aroclor-1260 | {5} | 11.02 | 10.82 | 1095.9E6 | 1397.5E6 | 651.127 | 687.574 | |
| Sum Aroclor-1260 | | | | 15521.9E6 | 6006.5E6 | 3122.501 | 3559.680 | |
| Average Aroclor-1260 | | | | | | 624.500 | 711.936 | |
| Sum Aroclor-1262 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1262 | | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1268 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1268 | | | | | | 0.000 | 0.000 | |

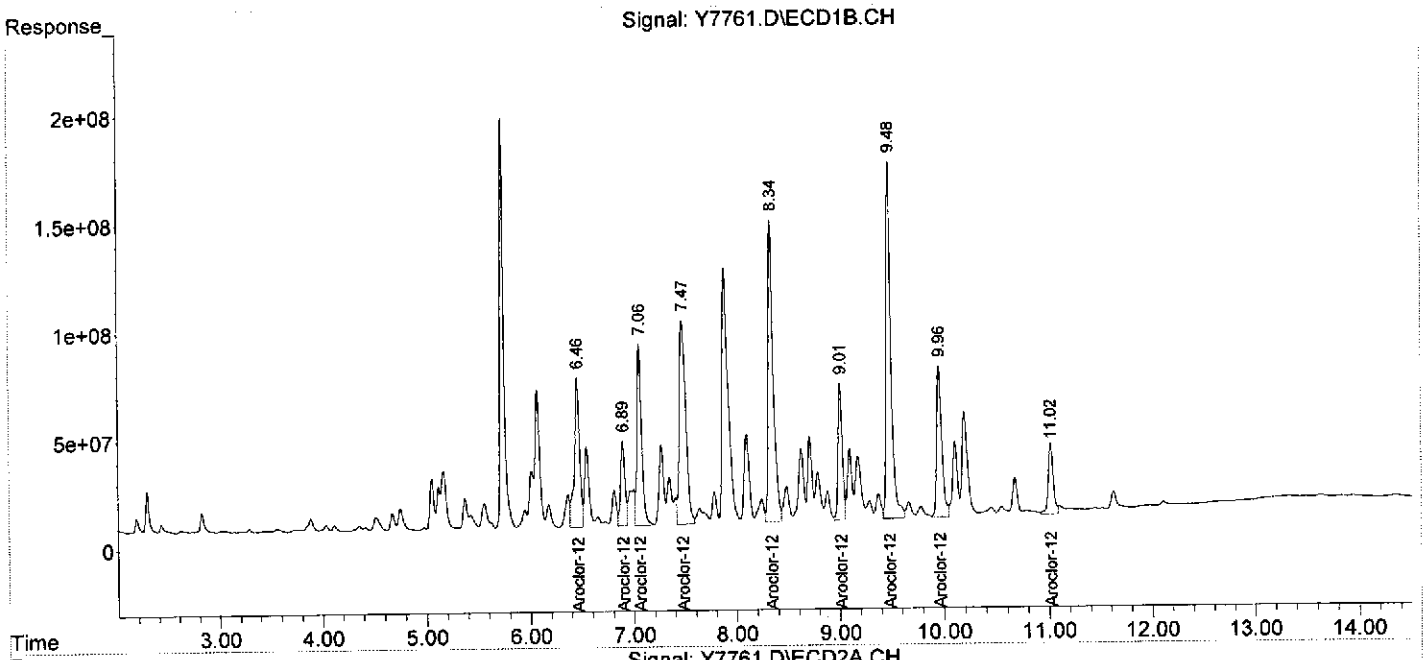
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

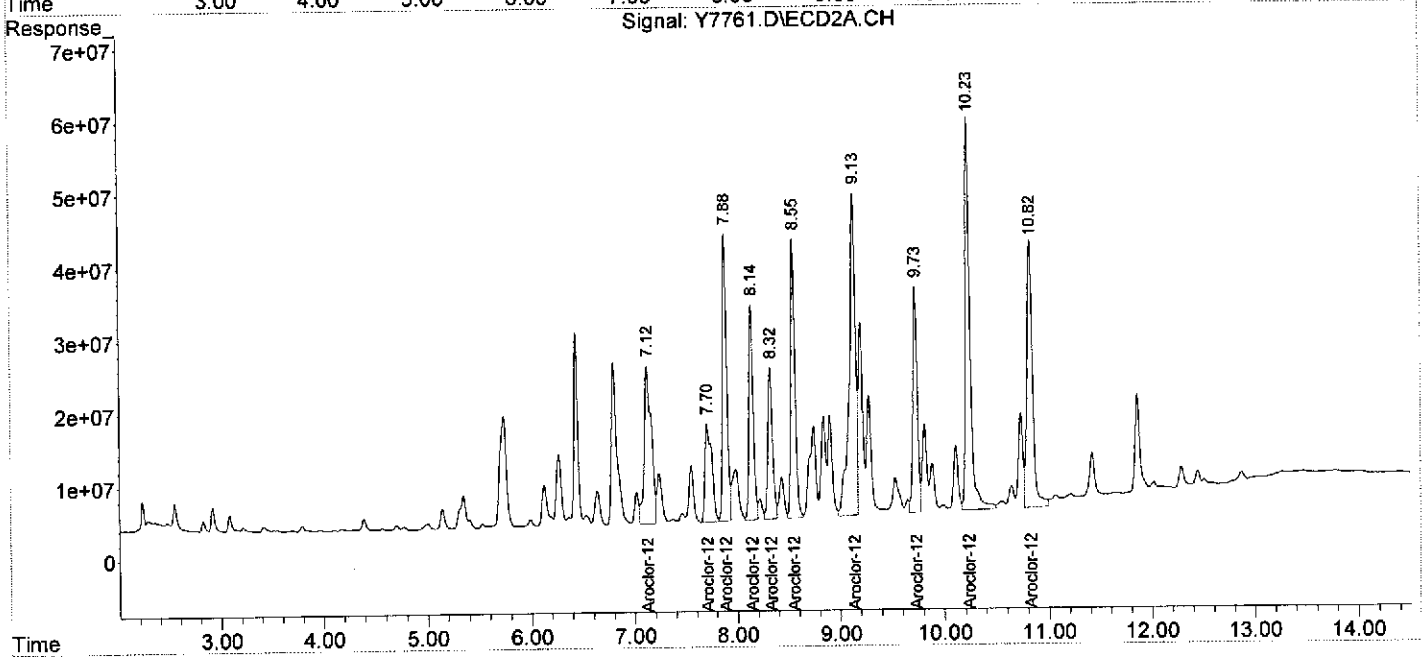
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-01-12\
Data File : Y7761.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 20:09
Operator : YG
Sample : Q-42_(2.0-,07070-043,S,5.52g,30.8,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,100
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:30:18 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-01-12\
Data File : Y7762.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 20:26
Operator : YG
Sample : Q-42_(4.0-,07070-044,S,5.31g,42.6,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,1000
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:30:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | | |
| 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 | | 6.46 | 7.12 | 4953.7E6 | 1840.6E6 | 840.920 | 849.410 |
| 29) L7 Aroclor-1254 | {2} | 6.89 | 7.70 | 3117.1E6 | 1490.6E6 | 803.562 | 872.603 |
| 30) L7 Aroclor-1254 | {3} | 7.06 | 8.32 | 6524.3E6 | 1617.7E6 | 880.223 | 960.555 |
| 31) L7 Aroclor-1254 | {4} | 7.50 | 8.54 | 6632.7E6 | 821.7E6 | 862.462 | 852.274 |
| 32) L7 Aroclor-1254 | {5} | 8.34 | 9.13 | 4480.7E6 | 1952.1E6 | 649.374 | 816.471 # |
| Sum Aroclor-1254 | | | | 25708.4E6 | 7722.6E6 | 4036.541 | 4351.314 |
| Average Aroclor-1254 | | | | | | 807.308 | 870.263 |
| Sum Aroclor-1260 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | | 0.000 | 0.000 |

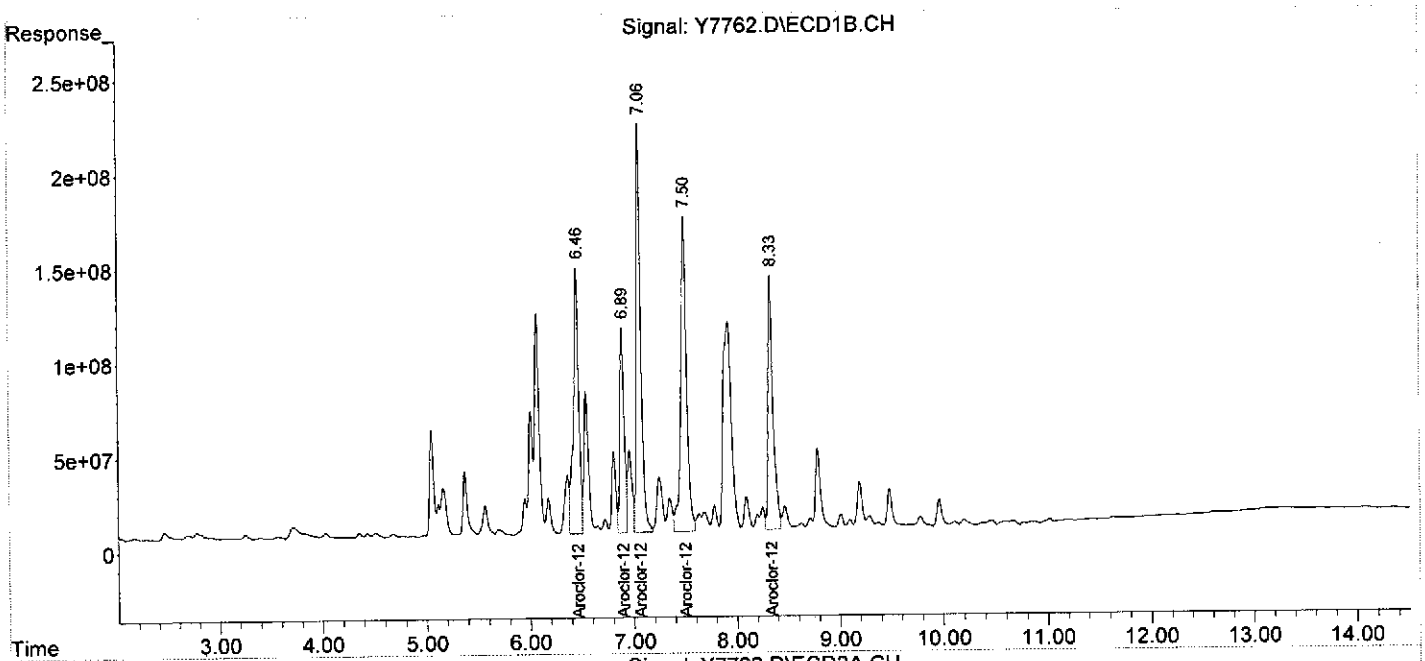
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

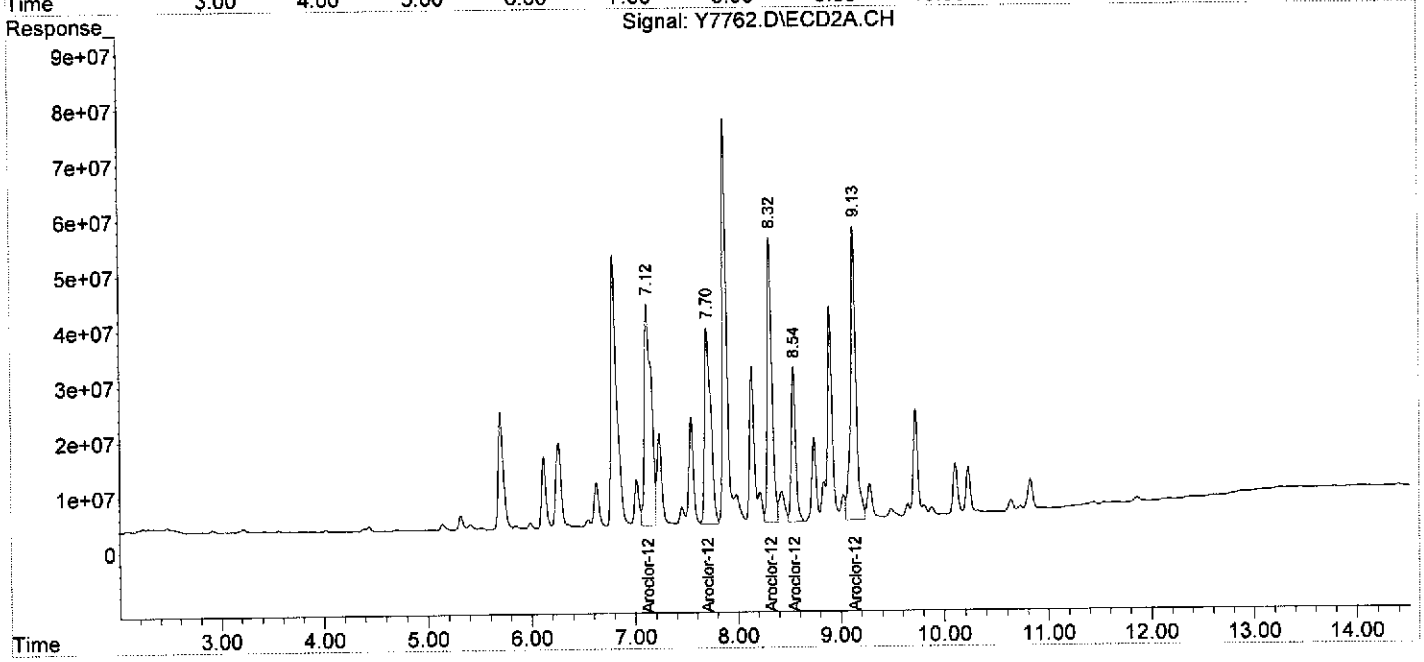
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-01-12\
Data File : Y7762.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 20:26
Operator : YG
Sample : Q-42_(4.0-,07070-044,S,5.31g,42.6,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,1000
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:30:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7653.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jul 2012 22:25
Operator : YG
Sample : Q-42_(6.0-,07070-045,S,5.10g,78.1,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:22:34 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 | |
|---|---|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | | | |
| 1) S TCMX | | 2.82 | 2.91 | 17360.6E6 | 7803.8E6 | 182.607 | 223.267 | |
| Spiked Amount 200.000 | | | | Recovery | = | 91.30% | 111.63% | |
| 2) S DCB | | 12.10 | 12.50 | 3593.5E6 | 1815.4E6 | 174.372m | 211.251m | |
| Spiked Amount 200.000 | | | | Recovery | = | 87.19% | 105.63% | |
| Target Compounds | | | | | | | | |
| Sum Aroclor-1016 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1016 | | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1221 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1221 | | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1232 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1232 | | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1242 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1242 | | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1248 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1248 | | | | | | 0.000 | 0.000 | |
| 28) L7 Aroclor-1254 | | 6.46 | 7.12 | 891.4E6 | 415.8E6 | 151.325 | 191.901 | # |
| 29) L7 Aroclor-1254 | {2} | 6.89 | 7.70 | 661.6E6 | 334.3E6 | 170.560 | 195.676 | |
| 30) L7 Aroclor-1254 | {3} | 7.06 | 8.32 | 1464.3E6 | 378.2E6 | 197.560 | 224.545 | |
| 31) L7 Aroclor-1254 | {4} | 7.49 | 8.54 | 1393.6E6 | 224.4E6 | 181.216 | 232.757 | # |
| 32) L7 Aroclor-1254 | {5} | 8.34 | 9.13 | 1117.5E6 | 537.7E6 | 161.950 | 224.906 | # |
| Sum Aroclor-1254 | | | | 5528.5E6 | 1890.4E6 | 862.611 | 1069.785 | |
| Average Aroclor-1254 | | | | | | 172.522 | 213.957 | |
| Sum Aroclor-1260 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1260 | | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1262 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1262 | | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1268 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1268 | | | | | | 0.000 | 0.000 | |

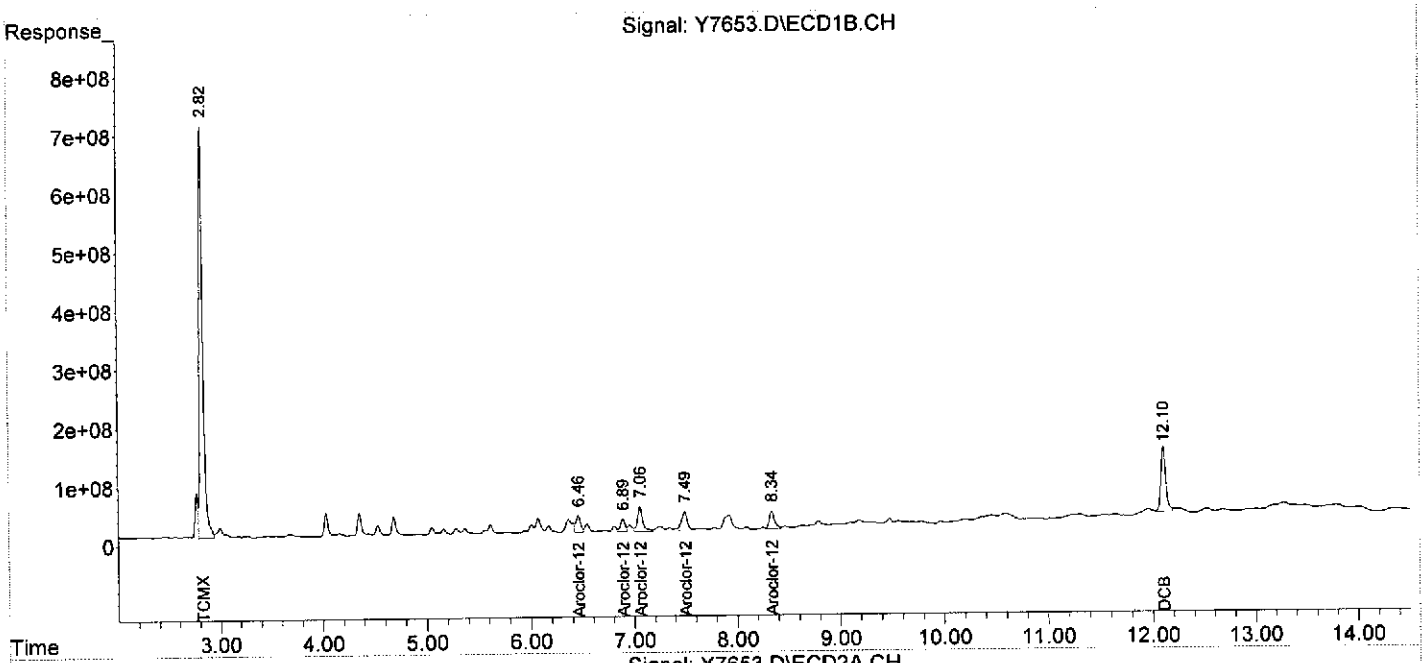
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

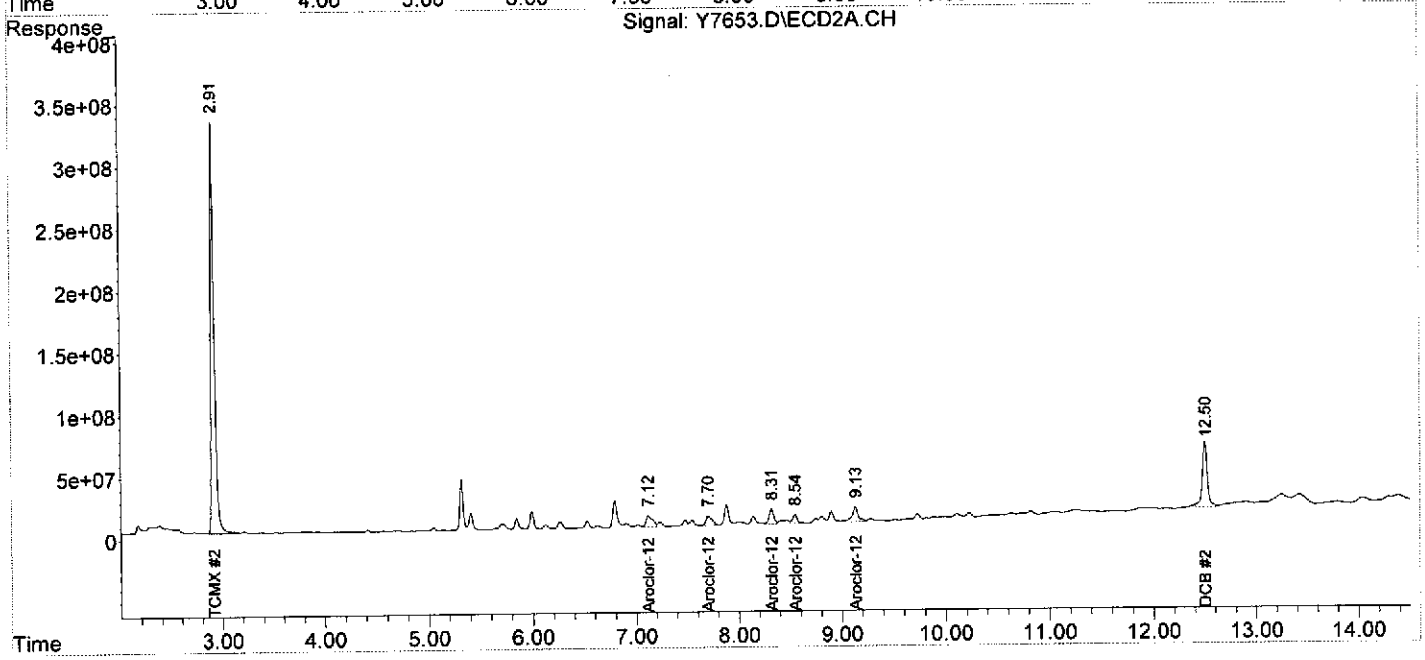
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7653.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jul 2012 22:25
Operator : YG
Sample : Q-42_(6.0-,07070-045,S,5.10g,78.1,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:22:34 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7654.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jul 2012 22:42
Operator : YG
Sample : Q-42_(8.0-,07070-046,S,5.30g,46.4,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:23:00 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 20207.5E6 | 7113.7E6 | 212.552 | 203.524 |
| Spiked Amount 200.000 | | | Recovery | = | 106.28% | 101.76% |
| 2) S DCB | 12.10 | 12.50 | 2693.8E6 | 1772.1E6 | 130.715m | 206.216m# |
| Spiked Amount 200.000 | | | Recovery | = | 65.36% | 103.11% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1248 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1248 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

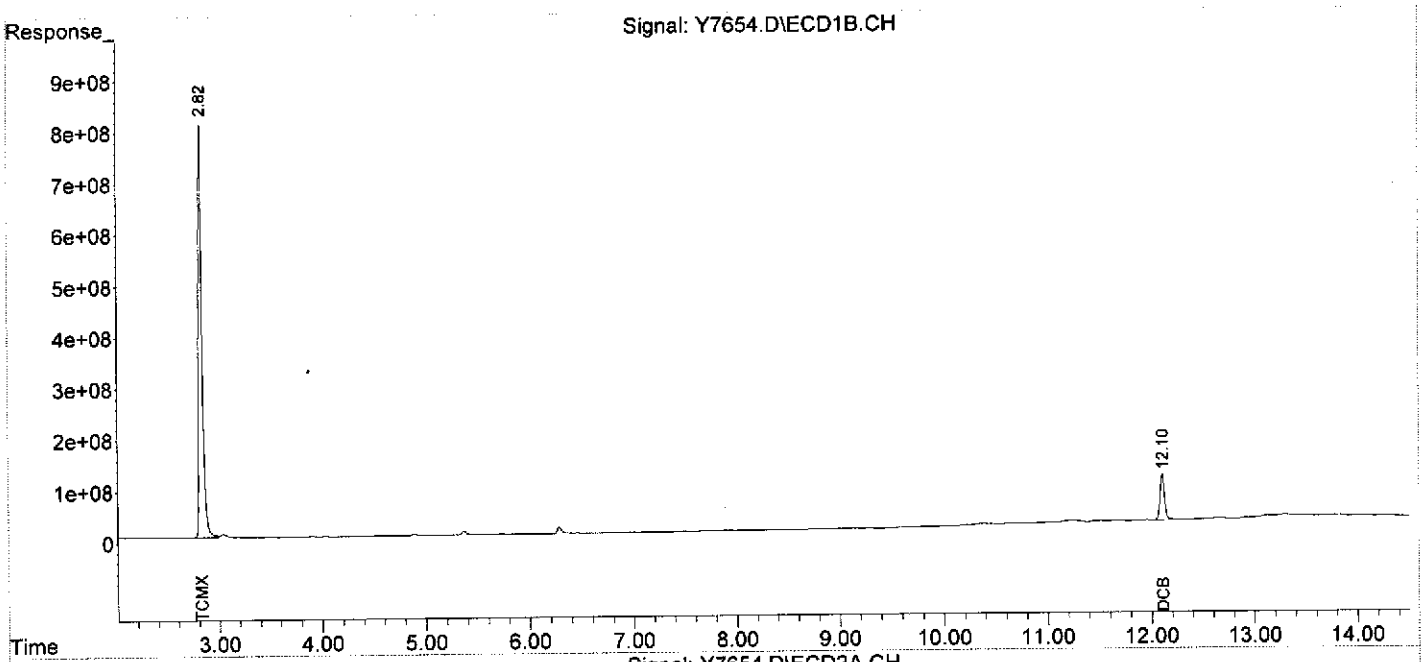
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

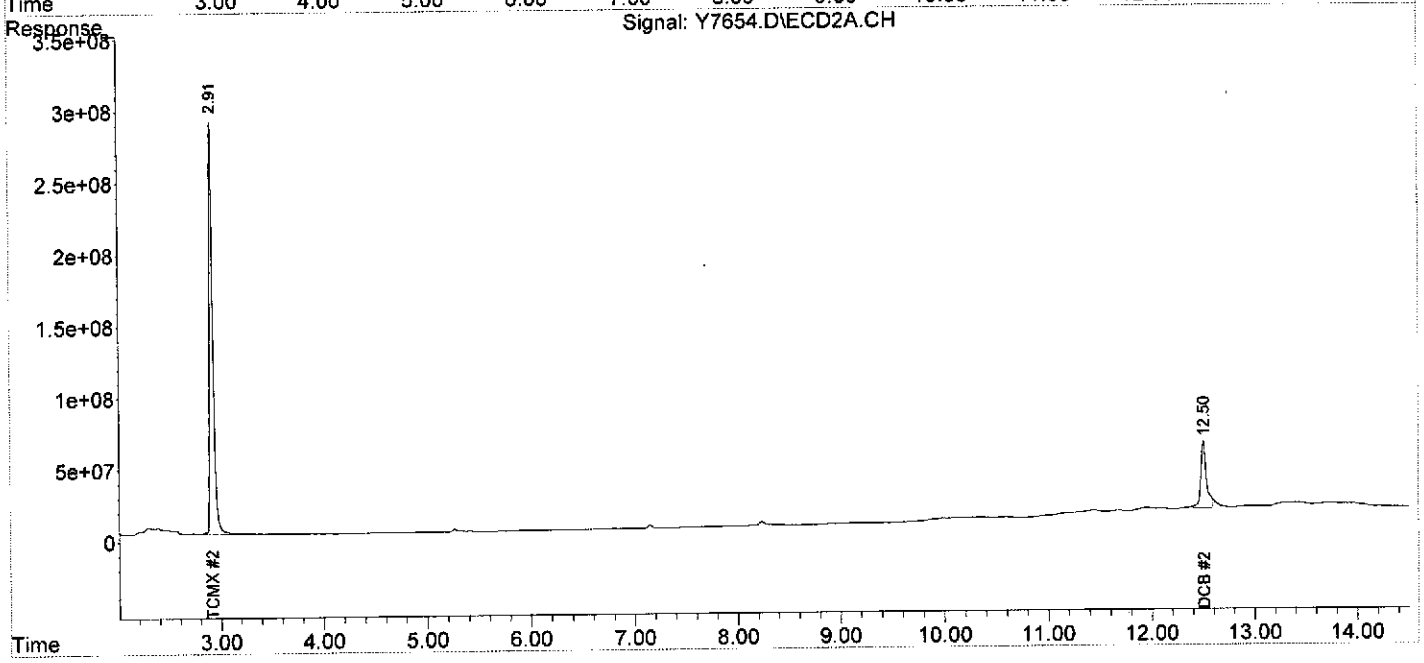
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7654.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jul 2012 22:42
Operator : YG
Sample : Q-42_(8.0-,07070-046,S,5.30g,46.4,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:23:00 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7655.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jul 2012 22:59
Operator : YG
Sample : Q-43_(0-2.,07070-047,S,5.54g,11.5,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,100
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:24:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 | |
|---|---|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | | | |
| Target Compounds | | | | | | | | |
| Sum Aroclor-1016 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1016 | | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1221 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1221 | | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1232 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1232 | | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1242 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1242 | | | | | | 0.000 | 0.000 | |
| 23) L6 Aroclor-1248 | | 4.52 | 5.14 | 176.2E6 | 67698775 | 39.959 | 42.469 | |
| 24) L6 Aroclor-1248 | {2} | 5.05 | 5.72 | 135.6E6 | 144.5E6 | 55.943 | 61.683 | |
| 25) L6 Aroclor-1248 | {3} | 5.37 | 6.12 | 188.1E6 | 104.1E6 | 61.308 | 61.479 | |
| 26) L6 Aroclor-1248 | {4} | 6.07 | 6.28 | 427.6E6 | 63616362 | 76.729 | 43.766 | # |
| 27) L6 Aroclor-1248 | {5} | 6.34 | 6.63 | 252.2E6 | 39544659 | 60.535 | 47.098 | |
| Sum Aroclor-1248 | | | | 1179.7E6 | 419.5E6 | 294.473 | 256.494 | |
| Average Aroclor-1248 | | | | | | 58.895 | 51.299 | |
| Sum Aroclor-1254 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1254 | | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1260 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1260 | | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1262 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1262 | | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1268 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1268 | | | | | | 0.000 | 0.000 | |

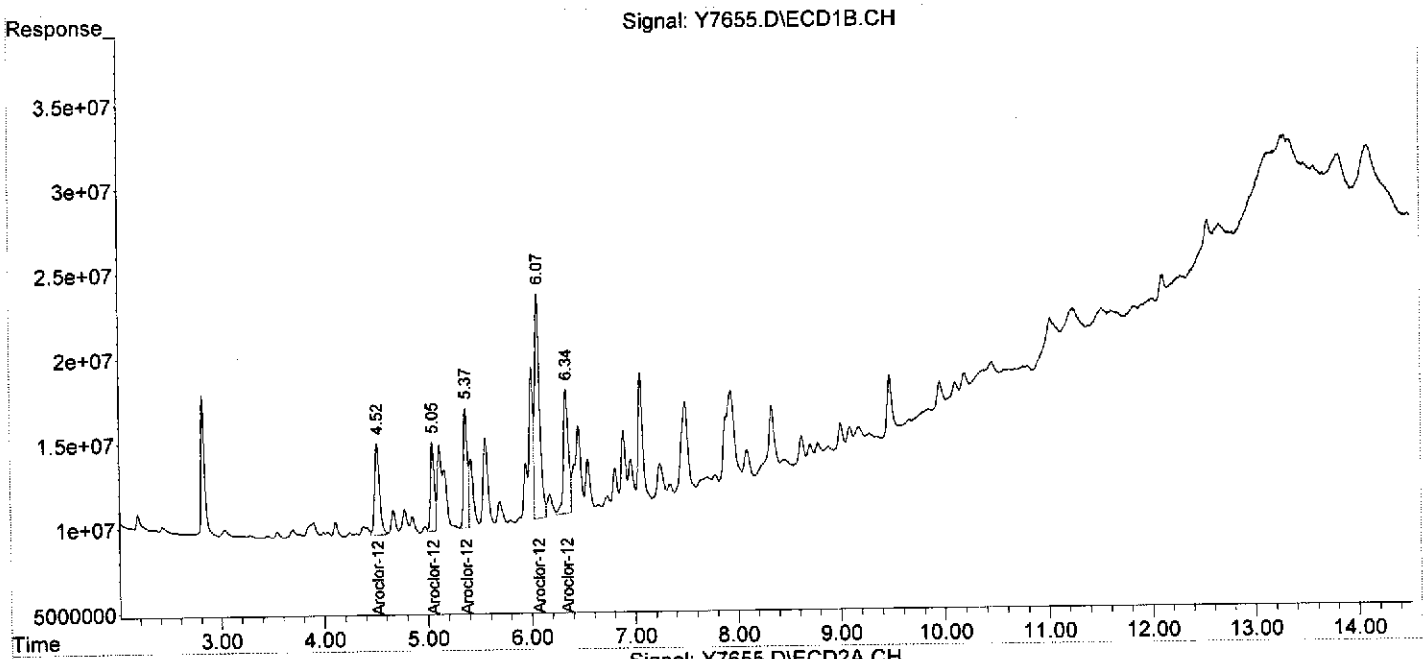
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

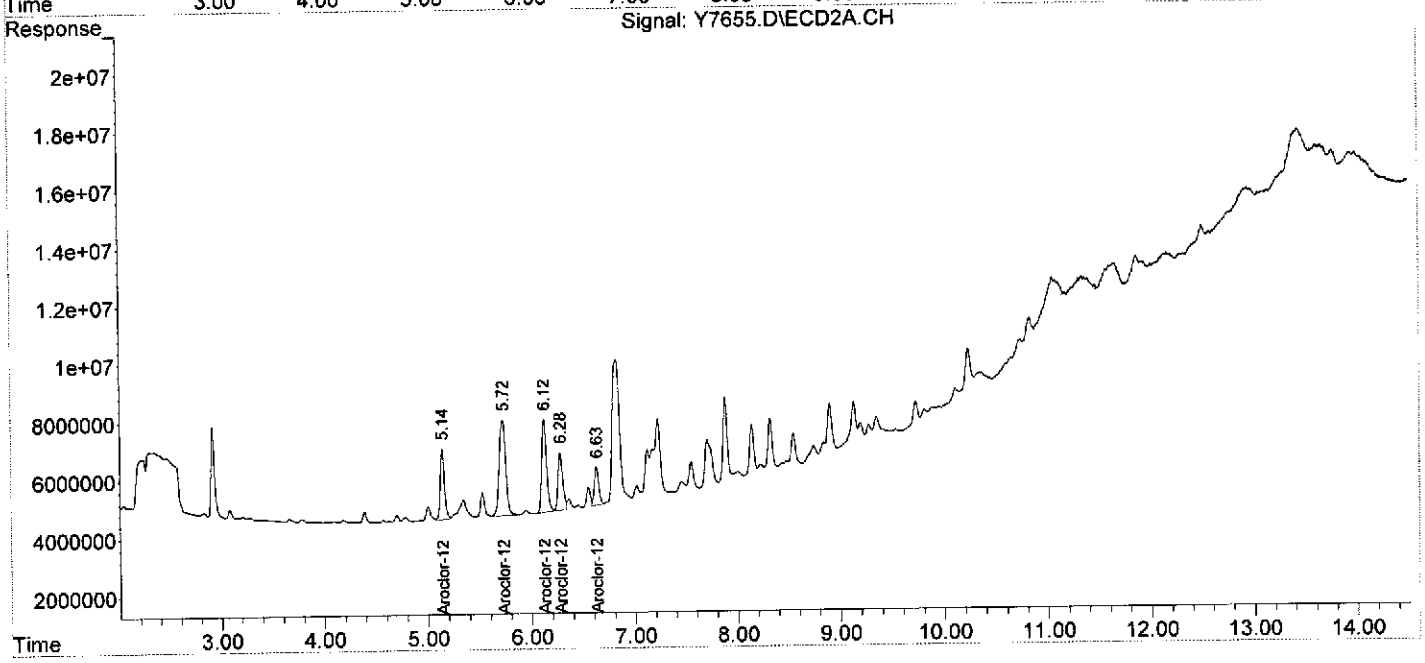
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7655.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jul 2012 22:59
Operator : YG
Sample : Q-43_(0-2.,07070-047,S,5.54g,11.5,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,100
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:24:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-01-12\
Data File : Y7763.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 20:43
Operator : YG
Sample : Q-43_(2.0-,07070-048,S,5.48g,17.3,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,2
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:31:27 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 8351.9E6 | 3678.3E6 | 87.850 | 105.237 |
| Spiked Amount 200.000 | | | Recovery | = | 43.92% | 52.62% |
| 2) S DCB | 12.11 | 12.50 | 1819.8E6 | 750.2E6 | 88.306m | 87.294m |
| Spiked Amount 200.000 | | | Recovery | = | 44.15% | 43.65% |
| 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 | 4.52 | 5.14 | 3010.7E6 | 1140.8E6 | 682.867 | 715.624 |
| 24) L6 Aroclor-1248 {2} | 5.05 | 5.72 | 3000.0E6 | 2864.0E6 | 1237.758 | 1222.556 |
| 25) L6 Aroclor-1248 {3} | 5.37 | 6.12 | 4366.2E6 | 2269.7E6 | 1422.900 | 1339.990 |
| 26) L6 Aroclor-1248 {4} | 6.07 | 6.28 | 8564.1E6 | 1996.4E6 | 1536.676 | 1373.441 |
| 27) L6 Aroclor-1248 {5} | 6.34 | 6.63 | 6698.6E6 | 1003.9E6 | 1608.092 | 1195.606 # |
| Sum Aroclor-1248 | | | 25639.6E6 | 9274.8E6 | 6488.295 | 5847.218 |
| Average Aroclor-1248 | | | | | 1297.659 | 1169.444 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| 33) L8 Aroclor-1260 | 8.33 | 7.88 | 6813.6E6 | 2506.3E6 | 938.066 | 2330.609 # |
| 34) L8 Aroclor-1260 {2} | 9.01 | 8.14 | 2721.2E6 | 1681.9E6 | 858.710 | 1061.372 |
| 35) L8 Aroclor-1260 {3} | 9.48 | 9.73 | 7263.5E6 | 1220.2E6 | 880.131 | 921.004 |
| 36) L8 Aroclor-1260 {4} | 9.96 | 10.23 | 2900.2E6 | 2700.2E6 | 701.755 | 935.664 # |
| 37) L8 Aroclor-1260 {5} | 11.02 | 10.82 | 1787.1E6 | 1979.5E6 | 1061.847 | 973.888 |
| Sum Aroclor-1260 | | | 21485.7E6 | 10088.1E6 | 4440.509 | 6222.537 |
| Average Aroclor-1260 | | | | | 888.102 | 1244.507 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-01-12\
Data File : Y7763.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 20:43
Operator : YG
Sample : Q-43_(2.0-,07070-048,S,5.48g,17.3,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,2
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:31:27 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|

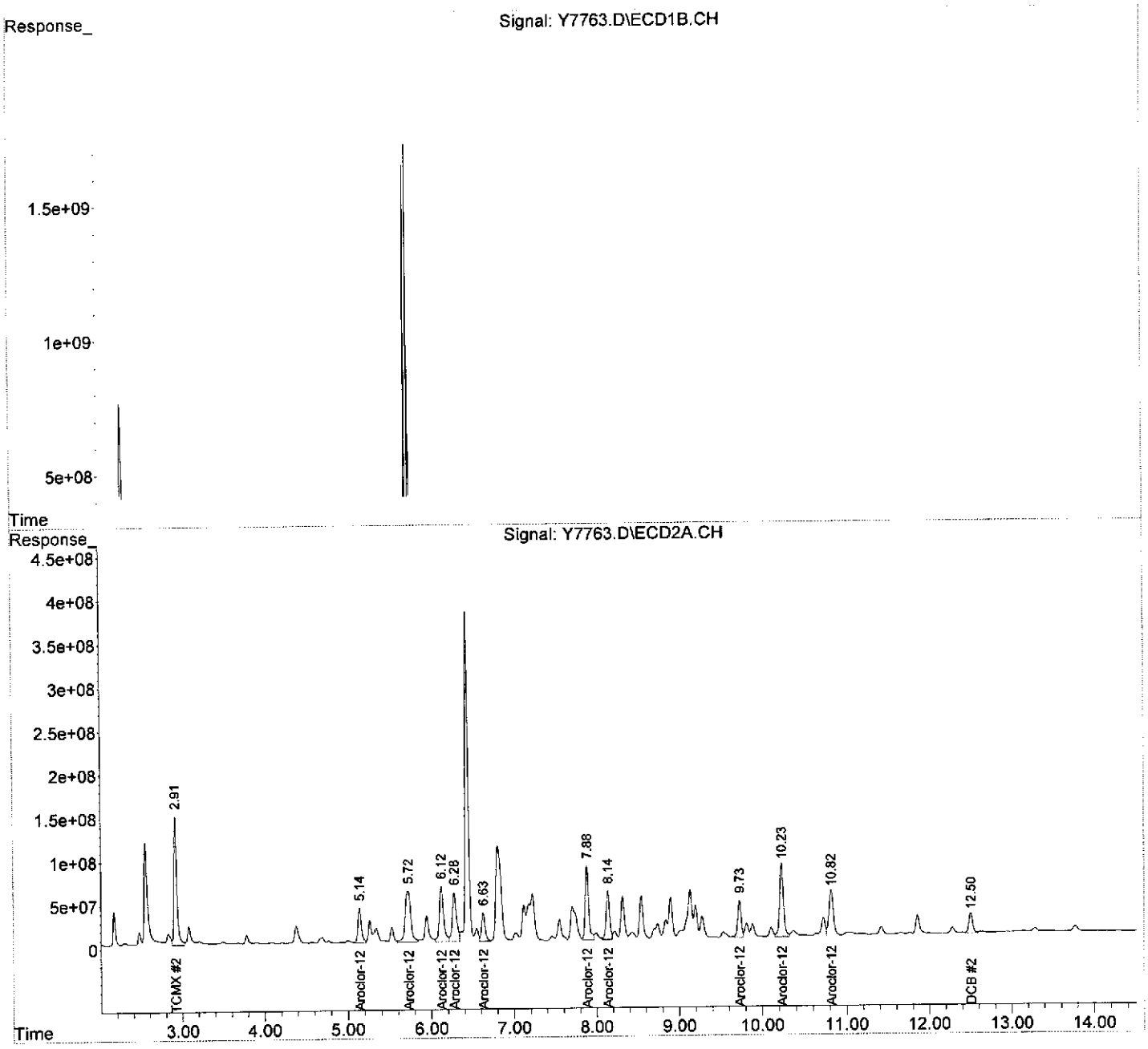
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

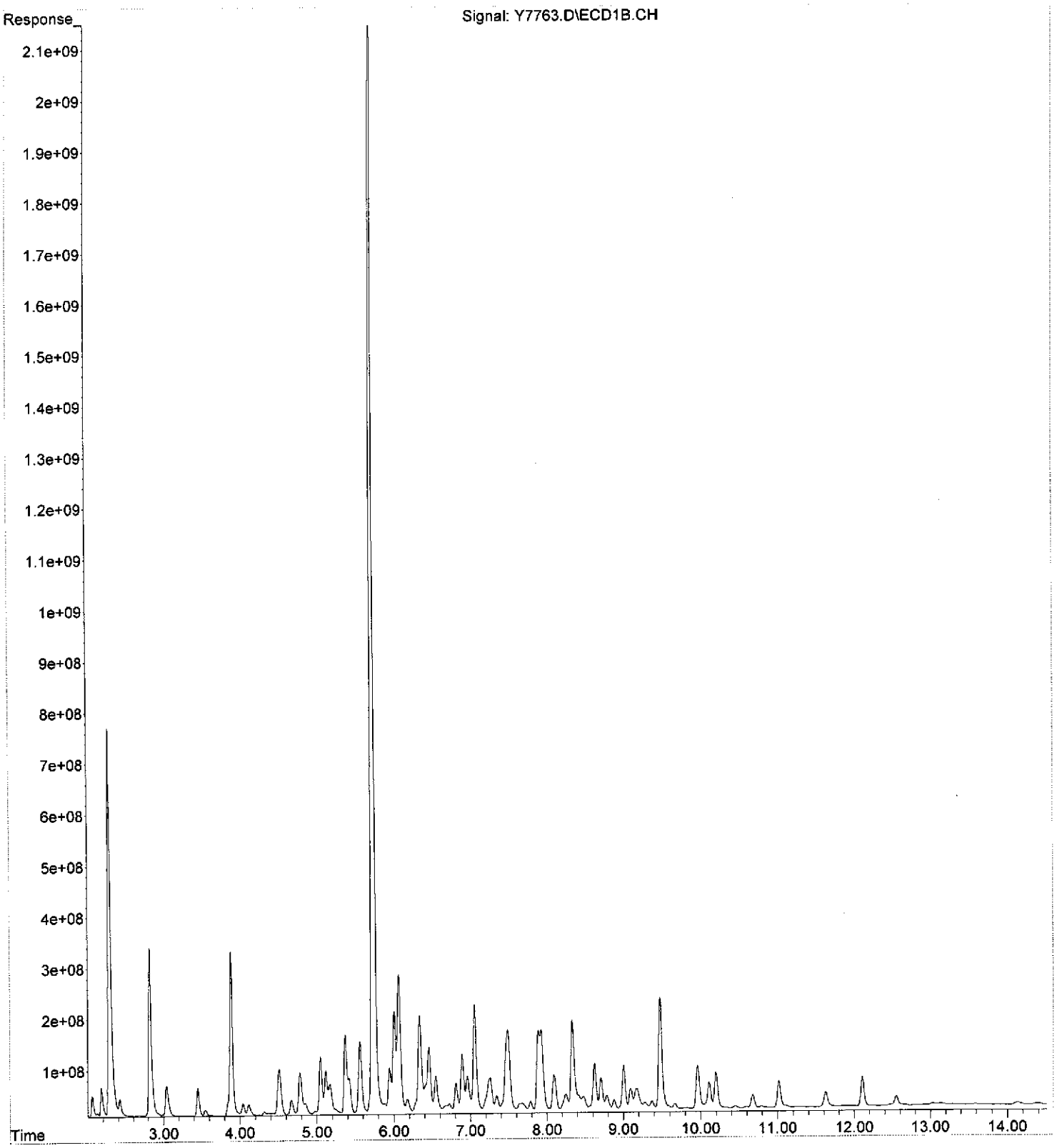
Data Path : C:\MSDCHEM\1\DATA\08-01-12\
Data File : Y7763.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 20:43
Operator : YG
Sample : Q-43_(2.0-,07070-048,S,5.48g,17.3,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,2
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:31:27 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



File :C:\MSDChem\1\DATA\08-01-12\Y7763.D
Operator : YG
Acquired : 01 Aug 2012 20:43 using AcqMethod YPCB0727.M
Instrument : GC_Y
Sample Name: Q-43_(2.0-,07070-048,S,5.48g,17.3,07/24/12,4
Misc Info : 120724-04,07/16/12,07/16/12,2
Vial Number: 7



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-02-12\
Data File : Y7816.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Aug 2012 12:49
Operator : YG
Sample : Q-43_(4.0-,07070-049,S,5.50g,43.6,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,10000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 14:33:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 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 | 6.46 | 7.12 | 3202.4E6 | 1233.6E6 | 543.626 | 569.287 |
| 29) L7 Aroclor-1254 {2} | 6.90 | 7.71 | 2015.8E6 | 908.9E6 | 519.661 | 532.060 |
| 30) L7 Aroclor-1254 {3} | 7.06 | 8.33 | 4123.7E6 | 1004.5E6 | 556.343 | 596.431 |
| 31) L7 Aroclor-1254 {4} | 7.50 | 8.55 | 4227.6E6 | 478.6E6 | 549.731 | 496.411 |
| 32) L7 Aroclor-1254 {5} | 8.34 | 9.14 | 3221.6E6 | 1138.7E6 | 466.900 | 476.255 |
| Sum Aroclor-1254 | | | 16791.1E6 | 4764.1E6 | 2636.262 | 2670.444 |
| Average Aroclor-1254 | | | | | 527.252 | 534.089 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

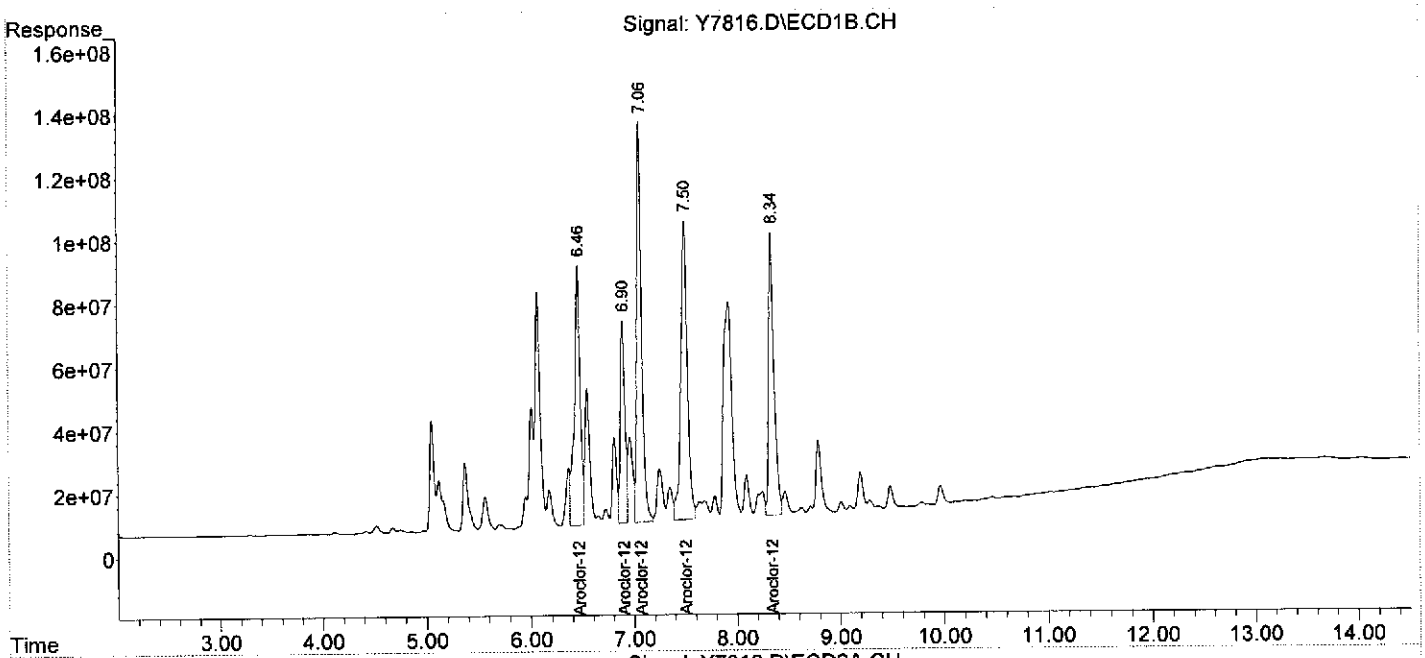
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

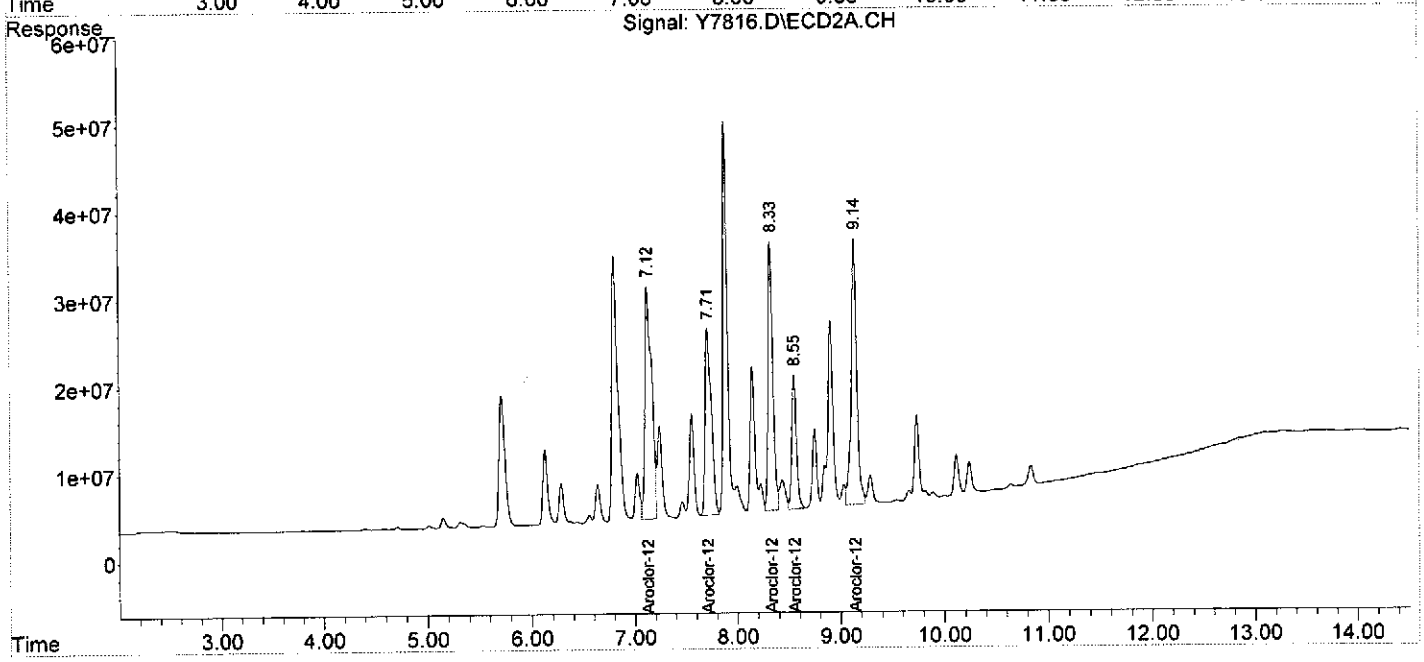
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-02-12\
Data File : Y7816.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 02 Aug 2012 12:49
Operator : YG
Sample : Q-43_(4.0-,07070-049,S,5.50g,43.6,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,10000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 14:33:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-01-12\
Data File : Y7765.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 21:18
Operator : YG
Sample : Q-43_(6.0-,07070-050,S,5.57g,61.0,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:39:04 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 18855.4E6 | 8743.5E6 | 198.330 | 250.153 # |
| Spiked Amount 200.000 | | | Recovery | = | 99.17% | 125.08% |
| 2) S DCB | 12.11 | 12.50 | 4358.8E6 | 1767.3E6 | 211.510m | 205.657m |
| Spiked Amount 200.000 | | | Recovery | = | 105.76% | 102.83% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1248 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1248 | | | | | 0.000 | 0.000 |
| 28) L7 Aroclor-1254 | 6.46 | 7.12 | 949.7E6 | 284.7E6 | 161.215 | 131.372 |
| 29) L7 Aroclor-1254 {2} | 6.89 | 7.70 | 594.3E6 | 272.2E6 | 153.198 | 159.370 |
| 30) L7 Aroclor-1254 {3} | 7.06 | 8.32 | 1264.2E6 | 353.9E6 | 170.561 | 210.165 |
| 31) L7 Aroclor-1254 {4} | 7.49 | 8.54 | 1427.1E6 | 203.2E6 | 185.575 | 210.757 |
| 32) L7 Aroclor-1254 {5} | 8.34 | 9.13 | 1269.4E6 | 442.5E6 | 183.970 | 185.096 |
| Sum Aroclor-1254 | | | 5504.7E6 | 1556.6E6 | 854.519 | 896.760 |
| Average Aroclor-1254 | | | | | 170.904 | 179.352 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

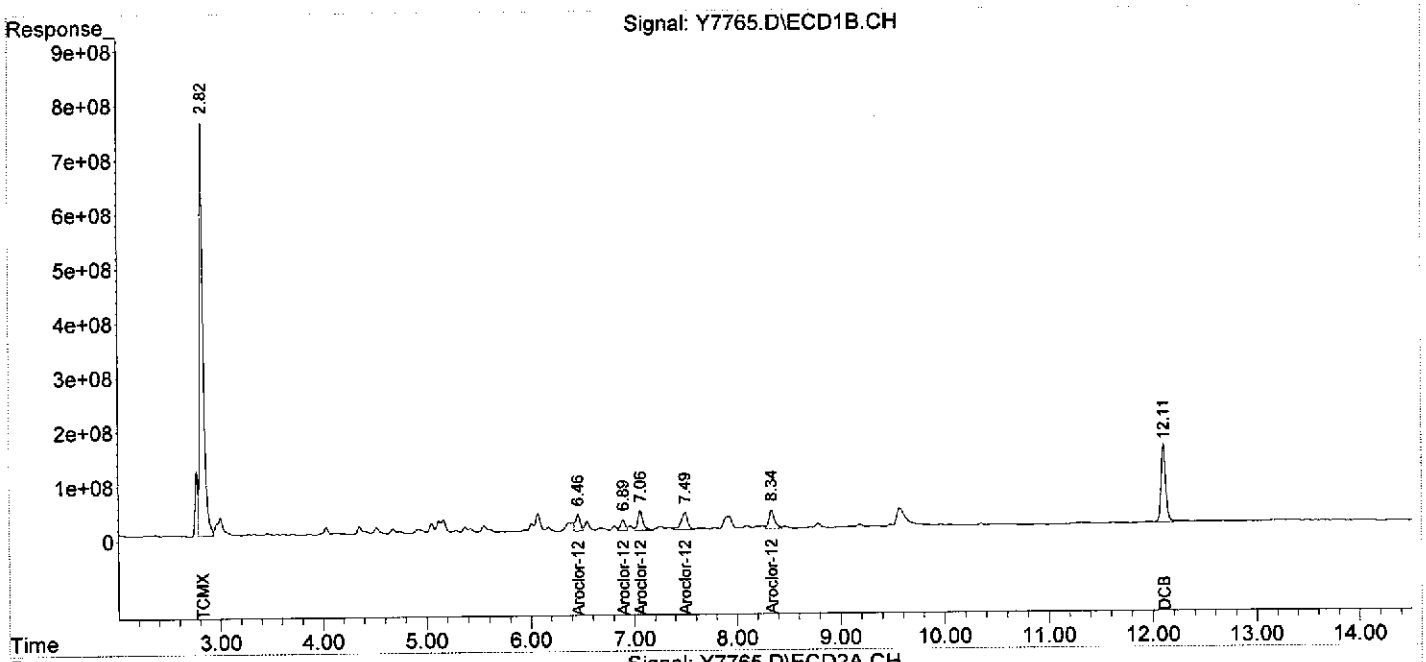
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

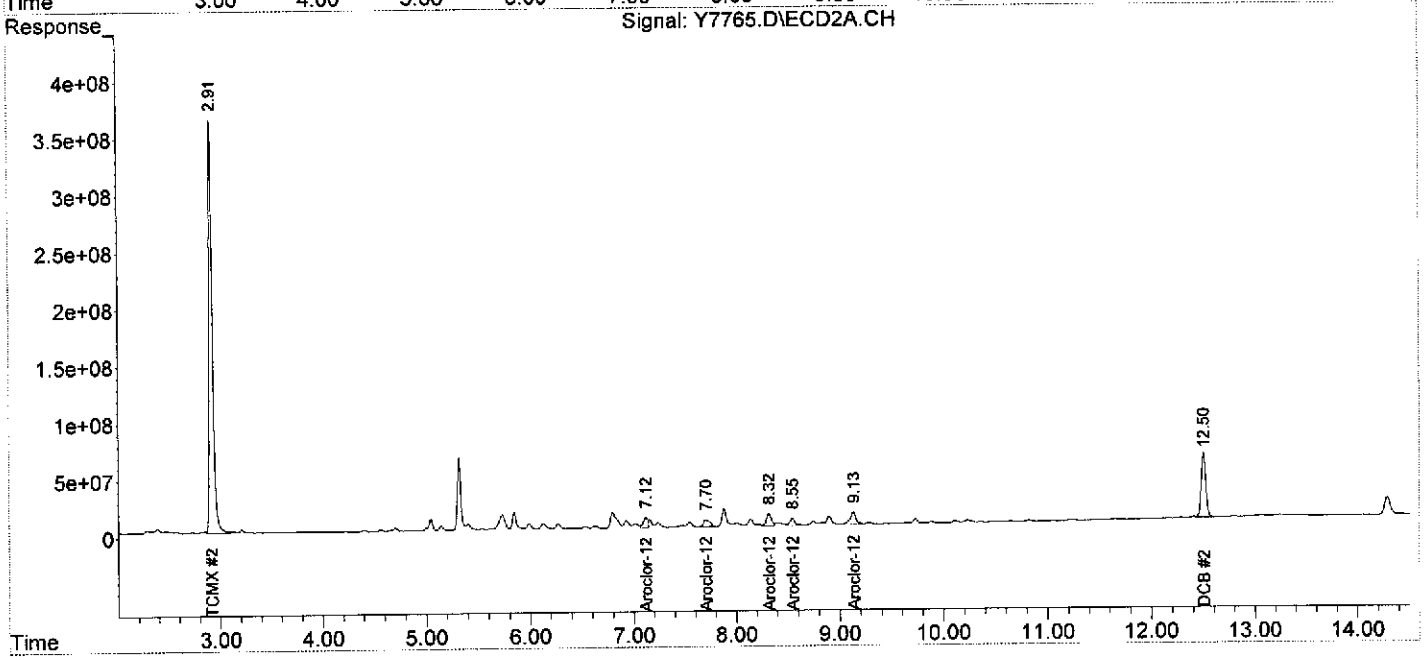
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-01-12\
Data File : Y7765.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 21:18
Operator : YG
Sample : Q-43_(6.0-,07070-050,S,5.57g,61.0,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:39:04 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-01-12\
Data File : Y7766.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 21:35
Operator : YG
Sample : Q-44_(0-2.,07070-051,S,5.64g,15.3,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:42:12 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 2758.4E6 | 905.5E6 | 29.014 | 25.907 |
| Spiked Amount 200.000 | | | Recovery = | | 14.51% | 12.95% |
| 2) S DCB | 12.11 | 12.50 | 408.9E6 | 173.1E6 | 19.843m | 20.149m |
| Spiked Amount 200.000 | | | Recovery = | | 9.92% | 10.07% |
| 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 |
| 23) L6 Aroclor-1248 | 4.52 | 5.14 | 3138.6E6 | 1033.8E6 | 711.866 | 648.499 |
| 24) L6 Aroclor-1248 {2} | 5.05 | 5.72 | 2742.4E6 | 2441.9E6 | 1131.469 | 1042.385 |
| 25) L6 Aroclor-1248 {3} | 5.37 | 6.12 | 3916.6E6 | 1803.1E6 | 1276.402 | 1064.533 |
| 26) L6 Aroclor-1248 {4} | 6.07 | 6.28 | 7953.3E6 | 1323.7E6 | 1427.082 | 910.681 # |
| 27) L6 Aroclor-1248 {5} | 6.34 | 6.63 | 5526.3E6 | 782.5E6 | 1326.665 | 931.913 # |
| Sum Aroclor-1248 | | | 23277.2E6 | 7385.0E6 | 5873.485 | 4598.012 |
| Average Aroclor-1248 | | | | | 1174.697 | 919.602 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| 33) L8 Aroclor-1260 | 8.34 | 7.88 | 3522.6E6 | 1559.4E6 | 484.975m | 1450.038 # |
| 34) L8 Aroclor-1260 {2} | 9.01 | 8.14 | 621.6E6 | 873.1E6 | 196.157m | 550.961 # |
| 35) L8 Aroclor-1260 {3} | 9.48 | 9.73 | 2058.5E6 | 415.2E6 | 249.426m | 313.409 # |
| 36) L8 Aroclor-1260 {4} | 9.96 | 10.23 | 959.5E6 | 706.3E6 | 232.158 | 244.756 |
| 37) L8 Aroclor-1260 {5} | 11.02 | 10.82 | 471.8E6 | 603.0E6 | 280.342m | 296.672 |
| Sum Aroclor-1260 | | | 7634.0E6 | 4157.0E6 | 1443.058 | 2855.835 |
| Average Aroclor-1260 | | | | | 288.612 | 571.167 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-01-12\
Data File : Y7766.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 21:35
Operator : YG
Sample : Q-44_(0-2.,07070-051,S,5.64g,15.3,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:42:12 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|

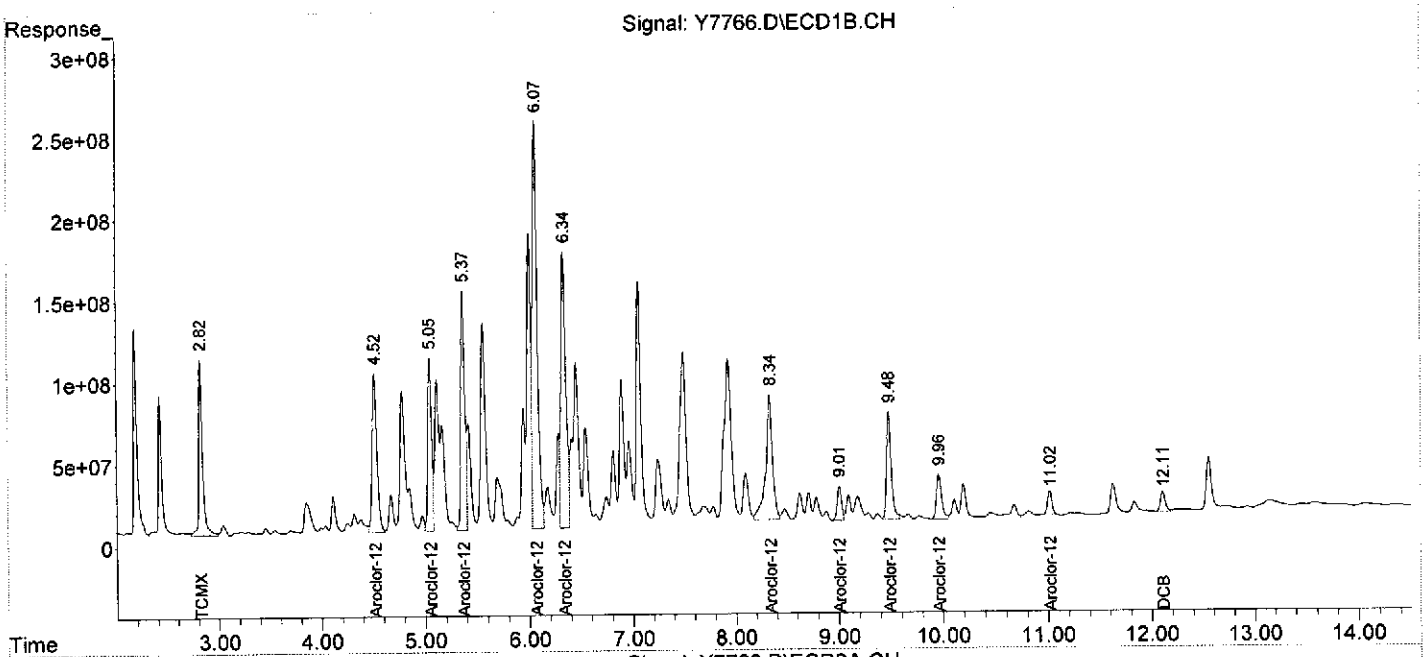
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

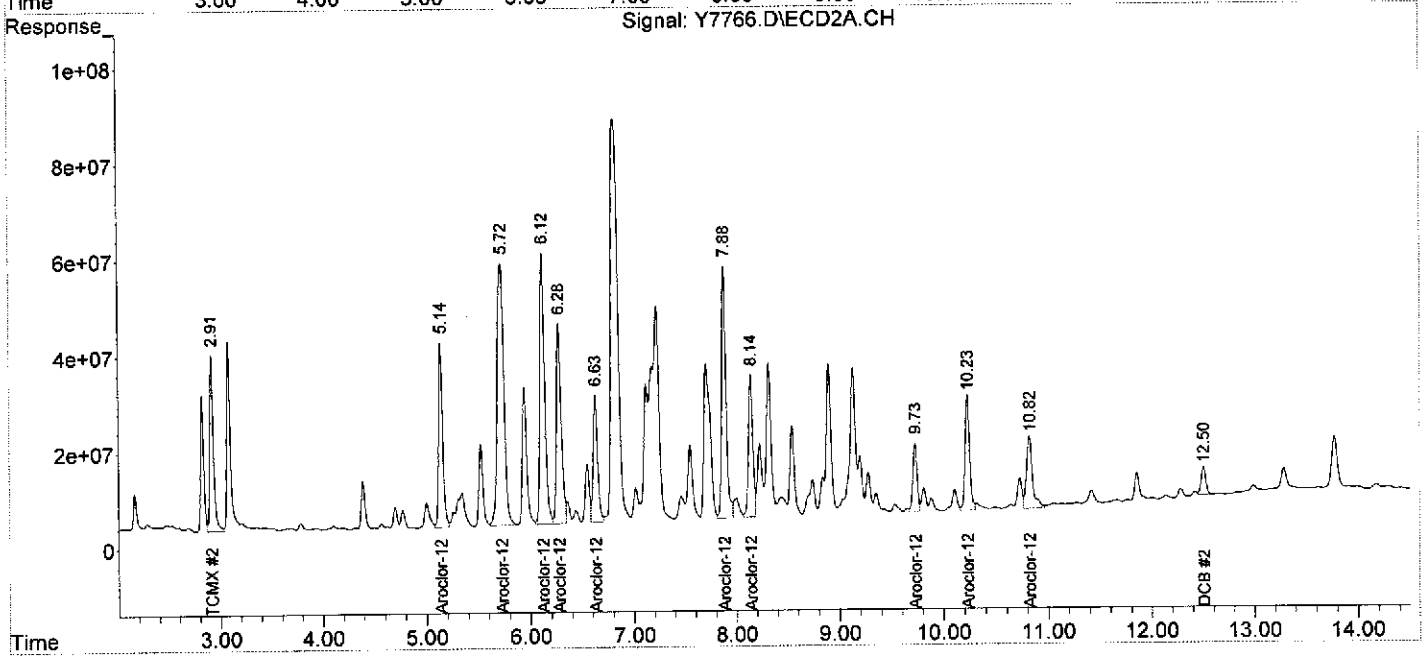
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-01-12\
Data File : Y7766.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 21:35
Operator : YG
Sample : Q-44_(0-2.,07070-051,S,5.64g,15.3,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:42:12 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-01-12\
Data File : Y7767.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 21:52
Operator : YG
Sample : Q-44_(2.0-,07070-052,S,5.33g,34.1,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,2
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:44:05 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.92 | 8499.6E6 | 3843.1E6 | 89.403 | 109.951 |
| Spiked Amount 200.000 | | | Recovery | = | 44.70% | 54.98% |
| 2) S DCB | 12.10 | 12.50 | 1845.7E6 | 728.5E6 | 89.563m | 84.771m |
| Spiked Amount 200.000 | | | Recovery | = | 44.78% | 42.39% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 4.52 | 5.14 | 2170.1E6 | 801.4E6 | 492.213 | 502.715 |
| 24) L6 Aroclor-1248 {2} | 5.05 | 5.72 | 2442.5E6 | 2786.6E6 | 1007.716 | 1189.495 |
| 25) L6 Aroclor-1248 {3} | 5.37 | 6.12 | 4094.8E6 | 1730.8E6 | 1334.466 | 1021.835 |
| 26) L6 Aroclor-1248 {4} | 6.07 | 6.28 | 7643.3E6 | 1145.9E6 | 1371.458 | 788.361 # |
| 27) L6 Aroclor-1248 {5} | 6.34 | 6.63 | 4378.6E6 | 735.3E6 | 1051.136 | 875.768 |
| Sum Aroclor-1248 | | | 20729.3E6 | 7200.0E6 | 5256.990 | 4378.174 |
| Average Aroclor-1248 | | | | | 1051.398 | 875.635 |
| 28) L7 Aroclor-1254 | 6.46 | 7.12 | 5900.5E6 | 1223.8E6 | 1001.653 | 564.786 # |
| 29) L7 Aroclor-1254 {2} | 6.89 | 7.71 | 3892.6E6 | 2536.5E6 | 1003.474 | 1484.903 # |
| 30) L7 Aroclor-1254 {3} | 7.06 | 8.32 | 8252.4E6 | 2474.3E6 | 1113.372 | 1469.203 # |
| 31) L7 Aroclor-1254 {4} | 7.50 | 8.54 | 7980.8E6 | 875.4E6 | 1037.770 | 907.936 |
| 32) L7 Aroclor-1254 {5} | 8.34 | 9.13 | 5009.9E6 | 2204.9E6 | 726.064 | 922.223 # |
| Sum Aroclor-1254 | | | 31036.2E6 | 9314.9E6 | 4882.333 | 5349.051 |
| Average Aroclor-1254 | | | | | 976.467 | 1069.810 |
| 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\08-01-12\
Data File : Y7767.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 21:52
Operator : YG
Sample : Q-44_(2.0-,07070-052,S,5.33g,34.1,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,2
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:44:05 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|

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

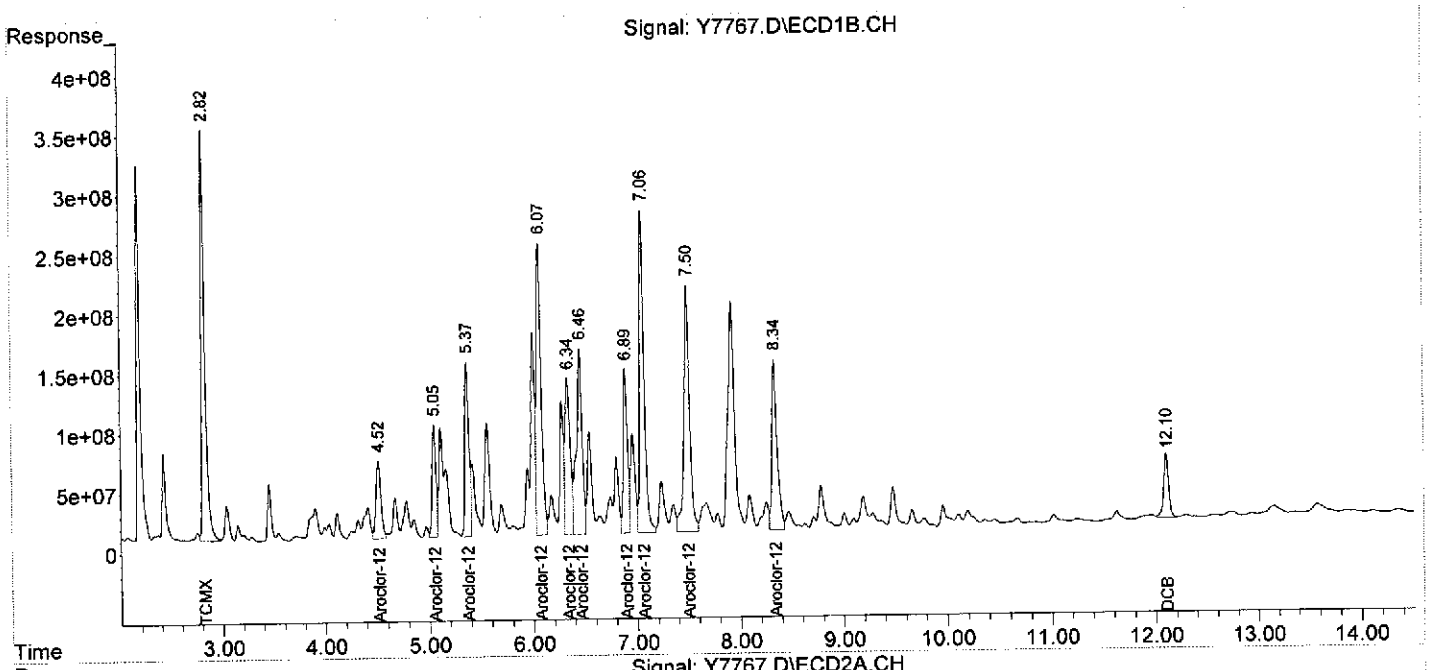
Quantitation Report (QT Reviewed)

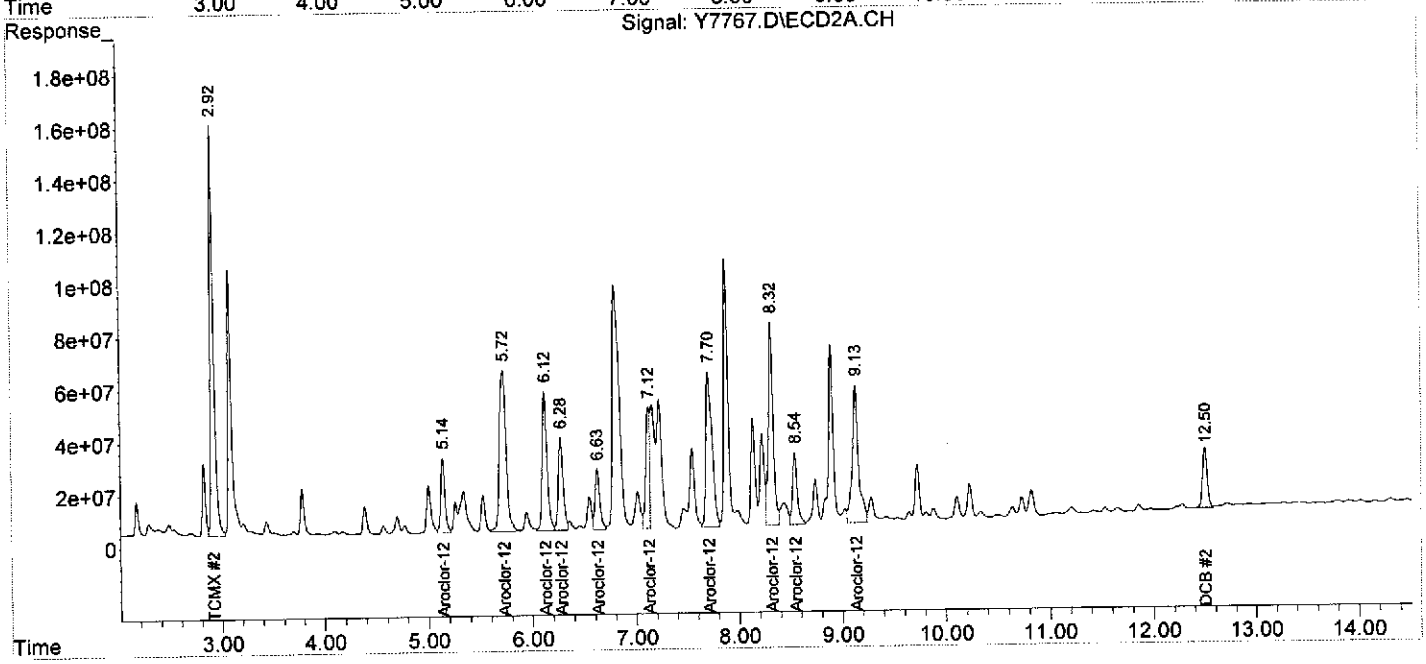
Data Path : C:\MSDCHEM\1\DATA\08-01-12\
Data File : Y7767.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Aug 2012 21:52
Operator : YG
Sample : Q-44_(2.0-,07070-052,S,5.33g,34.1,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,2
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 11:44:05 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Tue Jul 31 12:56:15 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

Signal #2 Phase:
Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7661.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 00:43
Operator : YG
Sample : Q-44_(4.0-,07070-053,S,5.63g,46.2,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:27:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 | |
|---|---|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | | | |
| 1) S TCMX | | 2.82 | 2.91 | 18927.4E6 | 6967.6E6 | 199.087 | 199.345 | |
| Spiked Amount 200.000 | | | | Recovery | = | 99.54% | 99.67% | |
| 2) S DCB | | 12.10 | 12.50 | 2967.1E6 | 1408.5E6 | 143.978m | 163.898m | |
| Spiked Amount 200.000 | | | | Recovery | = | 71.99% | 81.95% | |
| Target Compounds | | | | | | | | |
| Sum Aroclor-1016 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1016 | | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1221 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1221 | | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1232 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1232 | | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1242 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1242 | | | | | | 0.000 | 0.000 | |
| 23) L6 Aroclor-1248 | | 4.52 | 5.14 | 158.7E6 | 42902453 | 35.984 | 26.913 | # |
| 24) L6 Aroclor-1248 | {2} | 5.05 | 5.73 | 98142684 | 79482077 | 40.492 | 33.929 | |
| 25) L6 Aroclor-1248 | {3} | 5.37 | 6.13 | 183.7E6 | 58698609 | 59.880 | 34.654 | # |
| 26) L6 Aroclor-1248 | {4} | 6.07 | 6.27 | 119.1E6 | 35179470 | 21.367 | 24.202 | |
| 27) L6 Aroclor-1248 | {5} | 0.00 | 6.62 | 0 | 17178900 | N.D. d | 20.460 | # |
| Sum Aroclor-1248 | | | | 559.6E6 | 233.4E6 | 157.723 | 140.158 | |
| Average Aroclor-1248 | | | | | | 39.431 | 28.032 | |
| Sum Aroclor-1254 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1254 | | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1260 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1260 | | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1262 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1262 | | | | | | 0.000 | 0.000 | |
| Sum Aroclor-1268 | | | | 0 | 0 | N.D. | N.D. | |
| Average Aroclor-1268 | | | | | | 0.000 | 0.000 | |

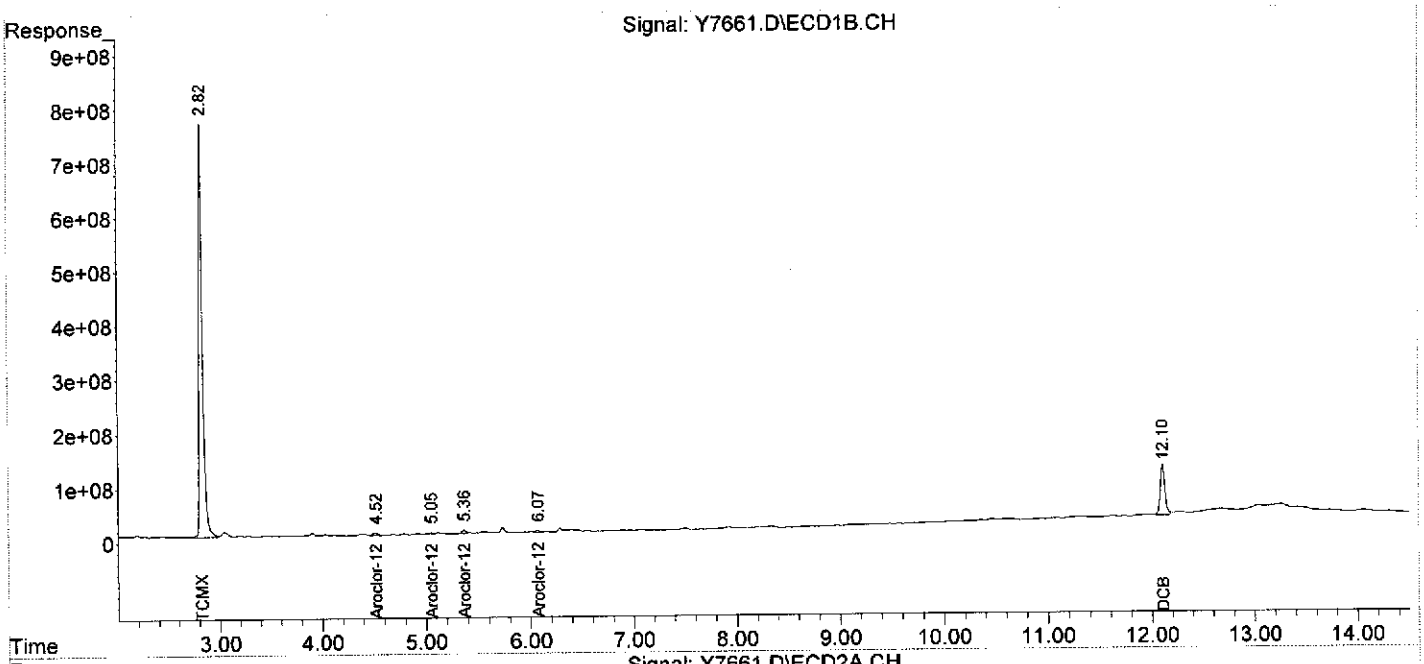
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

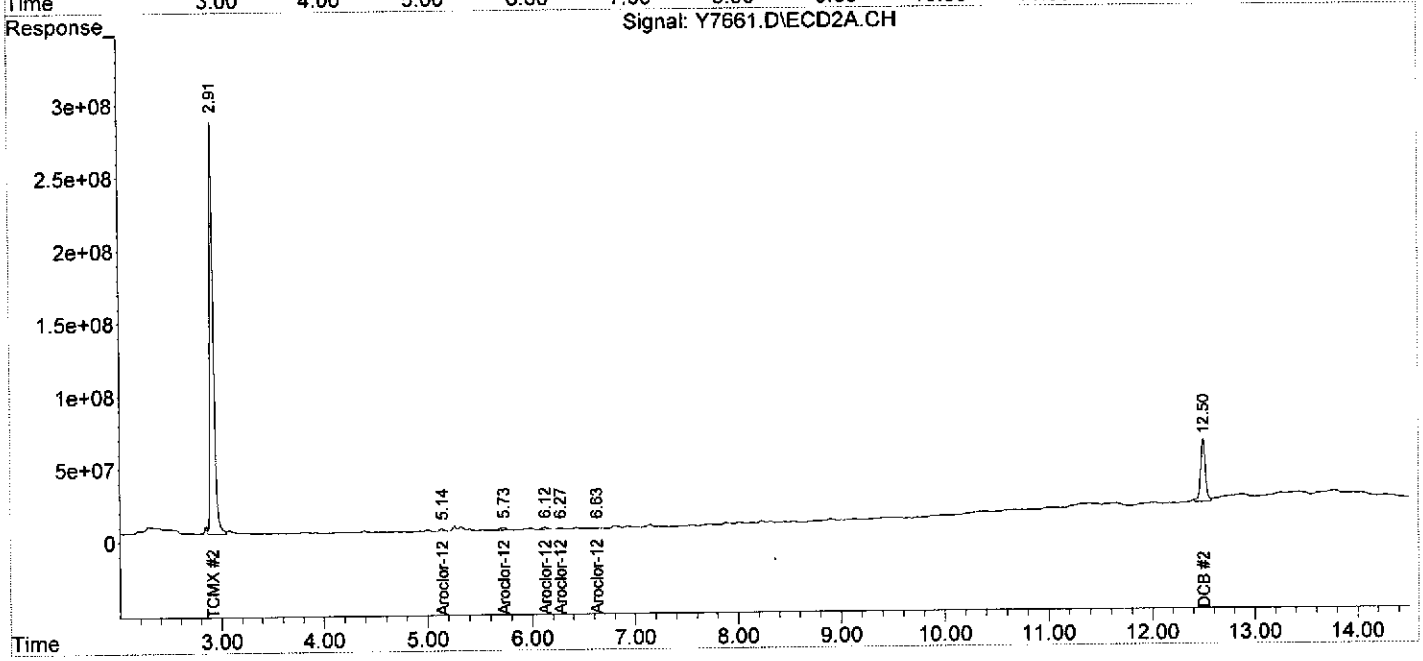
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7661.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 00:43
Operator : YG
Sample : Q-44_(4.0-,07070-053,S,5.63g,46.2,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:27:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7662.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 1:00
Operator : YG
Sample : R-43_(0-2.,07070-054,S,5.71g,10.4,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,10
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:31:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.92 | 2125.1E6 | 709.9E6 | 22.353 | 20.309 |
| Spiked Amount 200.000 | | | Recovery | = | 11.18% | 10.15% |
| 2) S DCB | 12.10 | 12.50 | 360.1E6 | 143.0E6 | 17.472m | 16.644m |
| Spiked Amount 200.000 | | | Recovery | = | 8.74% | 8.32% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 4.52 | 5.14 | 1679.3E6 | 578.9E6 | 380.878 | 363.149 |
| 24) L6 Aroclor-1248 {2} | 5.05 | 5.72 | 1902.4E6 | 1770.1E6 | 784.904 | 755.609 |
| 25) L6 Aroclor-1248 {3} | 5.37 | 6.12 | 2462.2E6 | 1312.5E6 | 802.405 | 774.869 |
| 26) L6 Aroclor-1248 {4} | 6.07 | 6.28 | 6055.2E6 | 894.6E6 | 1086.496 | 615.422 # |
| 27) L6 Aroclor-1248 {5} | 6.34 | 6.63 | 4293.6E6 | 558.1E6 | 1030.738 | 664.661 # |
| Sum Aroclor-1248 | | | 16392.6E6 | 5114.1E6 | 4085.421 | 3173.710 |
| Average Aroclor-1248 | | | | | 817.084 | 634.742 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| 33) L8 Aroclor-1260 | 8.34 | 7.88 | 6540.3E6 | 1916.4E6 | 900.440 | 1782.035 # |
| 34) L8 Aroclor-1260 {2} | 9.01 | 8.14 | 3319.1E6 | 1658.2E6 | 1047.366 | 1046.438 |
| 35) L8 Aroclor-1260 {3} | 9.48 | 9.73 | 9196.8E6 | 1459.9E6 | 1114.392 | 1101.928 |
| 36) L8 Aroclor-1260 {4} | 9.96 | 10.23 | 3838.9E6 | 3621.2E6 | 928.895 | 1254.810 # |
| 37) L8 Aroclor-1260 {5} | 11.02 | 10.82 | 2046.0E6 | 2592.0E6 | 1215.697 | 1275.266 |
| Sum Aroclor-1260 | | | 24941.2E6 | 11247.7E6 | 5206.791 | 6460.477 |
| Average Aroclor-1260 | | | | | 1041.358 | 1292.095 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7662.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 1:00
Operator : YG
Sample : R-43_(0-2.,07070-054,S,5.71g,10.4,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,10
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:31:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|

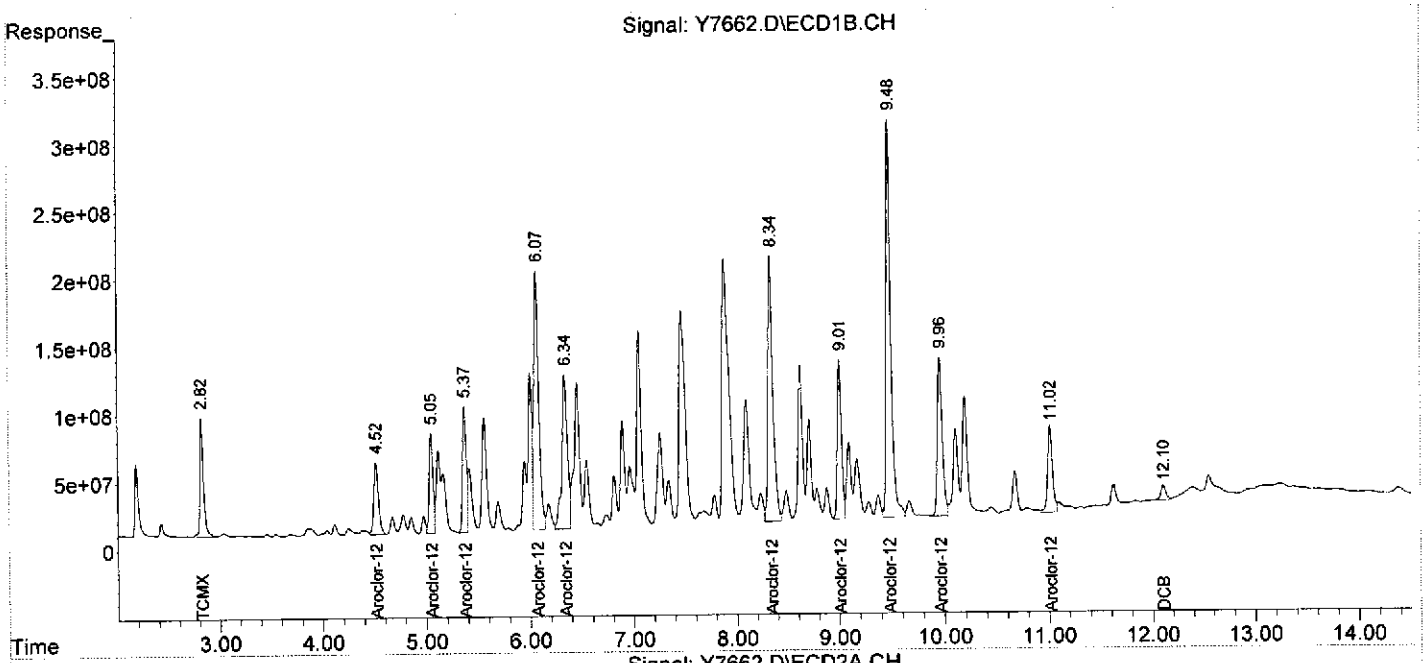
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

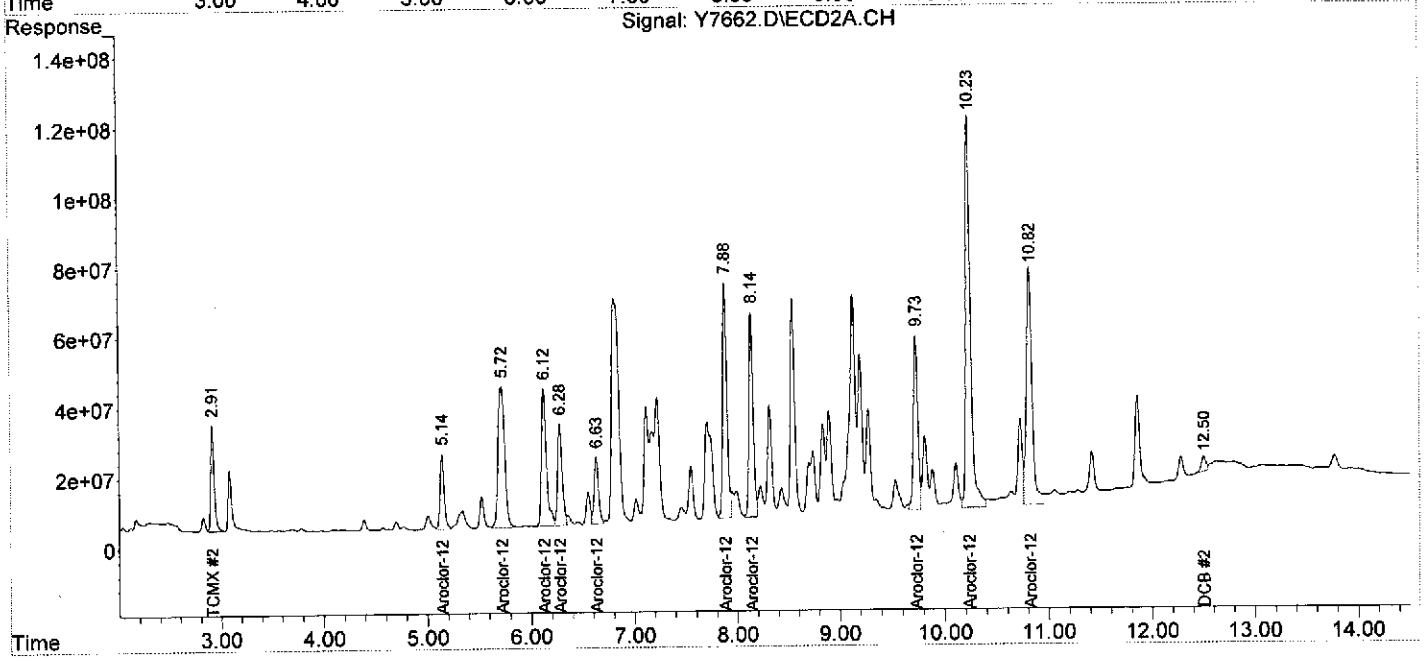
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7662.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 1:00
Operator : YG
Sample : R-43_(0-2.,07070-054,S,5.71g,10.4,07/24/12,4
Misc : 120724-04,07/16/12,07/16/12,10
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:31:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7426.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 3:35
Operator : YG
Sample : R-43_(2.0-,07070-055,S,5.17g,13.4,07/24/12,4
Misc : 120724-08,07/16/12,07/16/12,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 10:12:53 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 17500.5E6 | 6713.7E6 | 184.950 | 213.601 |
| Spiked Amount 200.000 | | | Recovery | = | 92.47% | 106.80% |
| 2) S DCB | 12.11 | 12.51 | 3221.9E6 | 1518.0E6 | 165.552m | 199.155 |
| Spiked Amount 200.000 | | | Recovery | = | 82.78% | 99.58% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 4.52 | 5.14 | 3286.1E6 | 1237.7E6 | 775.385 | 939.485 |
| 24) L6 Aroclor-1248 {2} | 5.05 | 5.71 | 3752.6E6 | 3061.4E6 | 1552.695 | 1570.890 |
| 25) L6 Aroclor-1248 {3} | 5.37 | 6.13 | 4112.8E6 | 1996.7E6 | 1270.929 | 1412.654 |
| 26) L6 Aroclor-1248 {4} | 6.07 | 6.28 | 10160.4E6 | 1413.3E6 | 1968.808 | 1172.497 # |
| 27) L6 Aroclor-1248 {5} | 6.34 | 6.63 | 6755.2E6 | 1098.9E6 | 1629.770 | 1664.081 |
| Sum Aroclor-1248 | | | 28067.1E6 | 8808.1E6 | 7197.587 | 6759.607 |
| Average Aroclor-1248 | | | | | 1439.517 | 1351.921 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| 33) L8 Aroclor-1260 | 8.34 | 0.00 | 7211.5E6 | 0 | 1012.278 | N.D. d# |
| 34) L8 Aroclor-1260 {2} | 9.01 | 8.14 | 1355.6E6 | 1783.5E6 | 403.946 | 1317.679 # |
| 35) L8 Aroclor-1260 {3} | 9.48 | 9.73 | 3575.9E6 | 1023.2E6 | 438.415 | 947.043 # |
| 36) L8 Aroclor-1260 {4} | 9.96 | 10.24 | 1879.6E6 | 1246.5E6 | 444.272 | 538.894 |
| 37) L8 Aroclor-1260 {5} | 11.02 | 10.83 | 964.4E6 | 924.6E6 | 604.463 | 541.108 |
| Sum Aroclor-1260 | | | 14986.8E6 | 4977.7E6 | 2903.374 | 3344.724 |
| Average Aroclor-1260 | | | | | 580.675 | 836.181 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7426.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 3:35
Operator : YG
Sample : R-43_(2.0-,07070-055,S,5.17g,13.4,07/24/12,4
Misc : 120724-08,07/16/12,07/16/12,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 10:12:53 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|

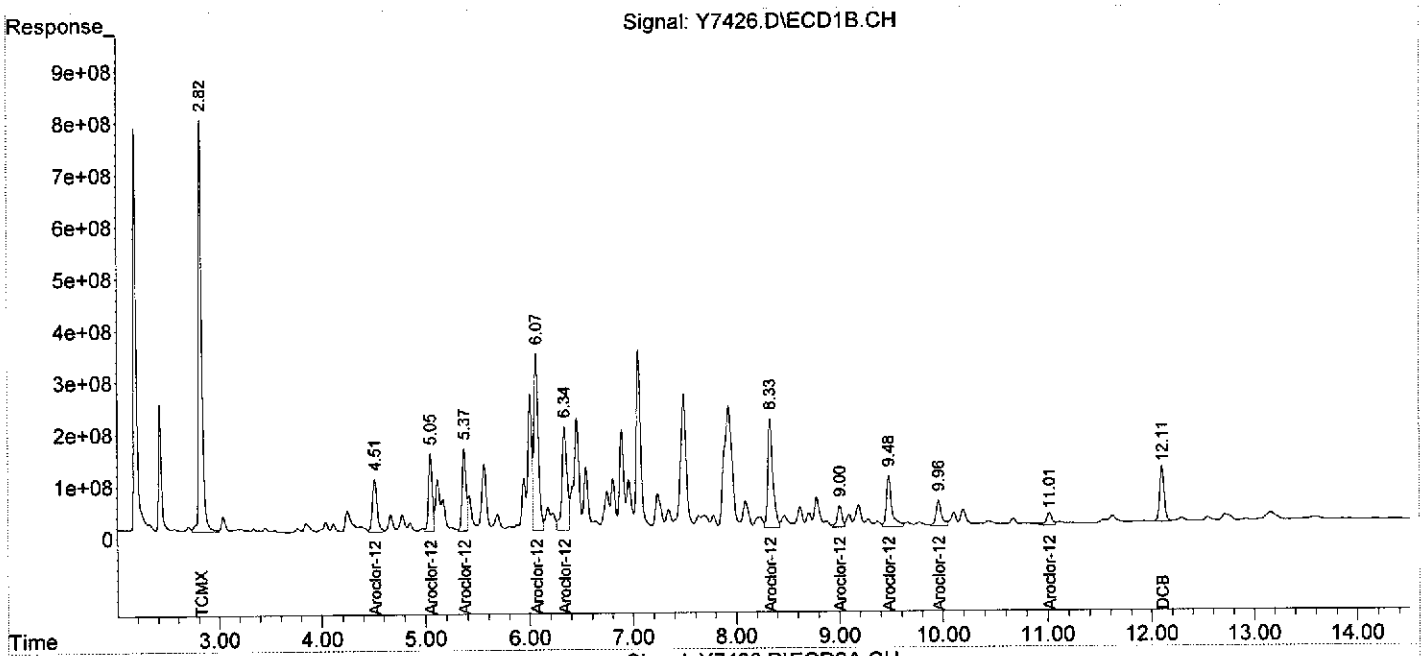
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

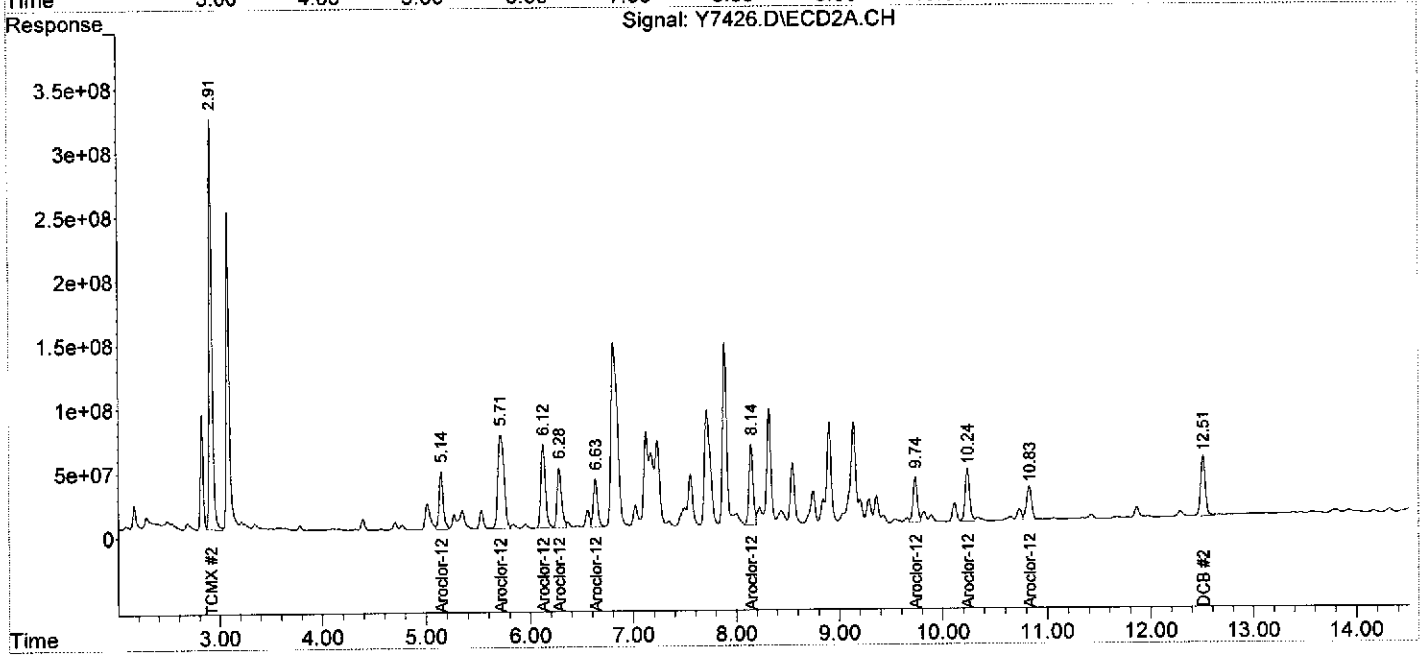
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7426.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 3:35
Operator : YG
Sample : R-43_(2.0-,07070-055,S,5.17g,13.4,07/24/12,4
Misc : 120724-08,07/16/12,07/16/12,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 10:12:53 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7427.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 3:52
Operator : YG
Sample : R-43_(4.0-,07070-056,S,5.42g,17.7,07/24/12,4
Misc : 120724-08,07/16/12,07/16/12,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 10:15:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 16436.5E6 | 7772.8E6 | 173.705 | 247.297 # |
| Spiked Amount 200.000 | | | Recovery | = | 86.85% | 123.65% |
| 2) S DCB | 12.11 | 12.51 | 3407.2E6 | 1479.6E6 | 175.073m | 194.111m |
| Spiked Amount 200.000 | | | Recovery | = | 87.54% | 97.06% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 4.52 | 5.14 | 5303.4E6 | 1659.0E6 | 1251.372m | 1259.258 |
| 24) L6 Aroclor-1248 {2} | 5.05 | 0.00 | 4041.1E6 | 0 | 1672.059m | N.D. d# |
| 25) L6 Aroclor-1248 {3} | 5.37 | 6.14 | 2164.9E6 | 1334.7E6 | 669.001m | 944.264 # |
| 26) L6 Aroclor-1248 {4} | 6.07 | 6.28 | 5102.0E6 | 919.6E6 | 988.630m | 762.902 |
| 27) L6 Aroclor-1248 {5} | 6.36 | 6.60 | 2212.8E6 | 356.2E6 | 533.865m | 539.344m |
| Sum Aroclor-1248 | | | 18824.2E6 | 4269.4E6 | 5114.927 | 3505.768 |
| Average Aroclor-1248 | | | | | 1022.985 | 876.442 |
| 28) L7 Aroclor-1254 | 6.46 | 7.12 | 2608.3E6 | 907.0E6 | 558.003m | 510.220 |
| 29) L7 Aroclor-1254 {2} | 6.89 | 0.00 | 1897.1E6 | 0 | 506.917m | N.D. d# |
| 30) L7 Aroclor-1254 {3} | 7.06 | 8.32 | 5183.0E6 | 2056.3E6 | 735.225m | 1533.589 # |
| 31) L7 Aroclor-1254 {4} | 7.49 | 8.55 | 5119.7E6 | 1029.8E6 | 723.484m | 1396.784 # |
| 32) L7 Aroclor-1254 {5} | 8.33 | 9.14 | 4161.7E6 | 2354.7E6 | 630.144m | 1299.751 # |
| Sum Aroclor-1254 | | | 18969.8E6 | 6347.8E6 | 3153.773 | 4740.344 |
| Average Aroclor-1254 | | | | | 630.755 | 1185.086 |
| 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\07-25-12\
Data File : Y7427.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 3:52
Operator : YG
Sample : R-43_(4.0-,07070-056,S,5.42g,17.7,07/24/12,4
Misc : 120724-08,07/16/12,07/16/12,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 10:15:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|

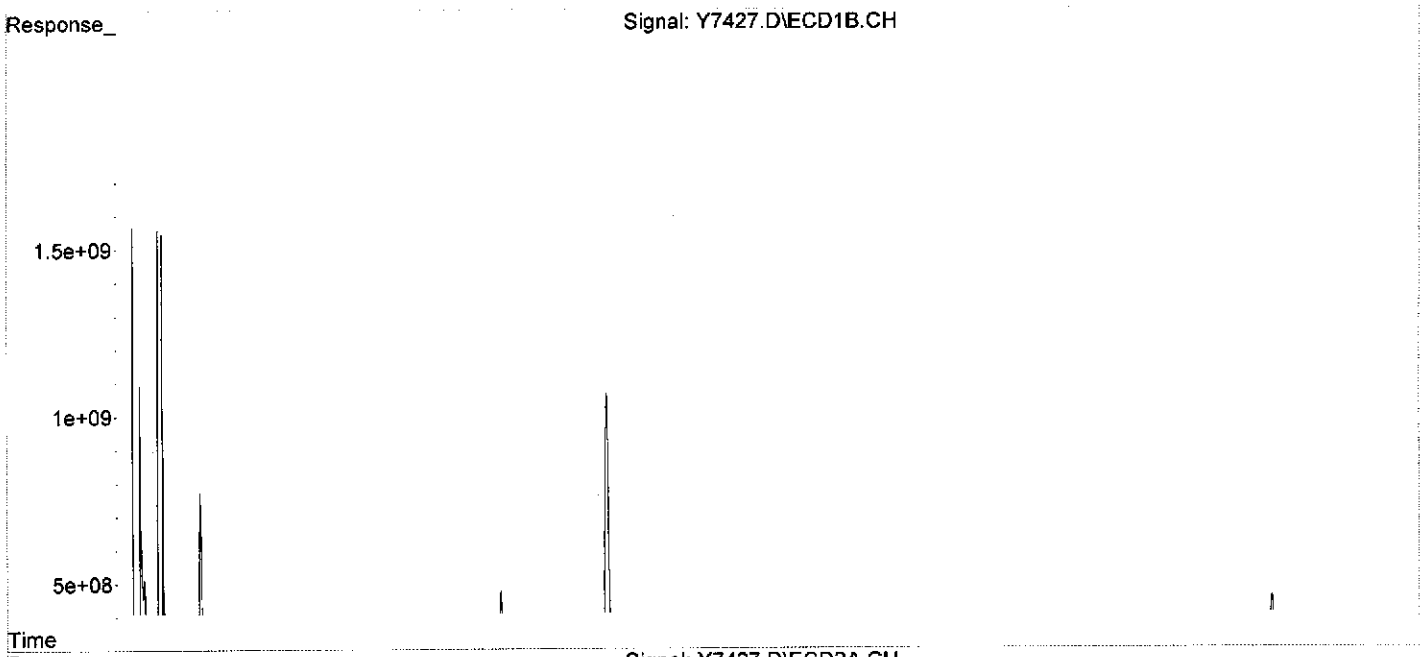
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

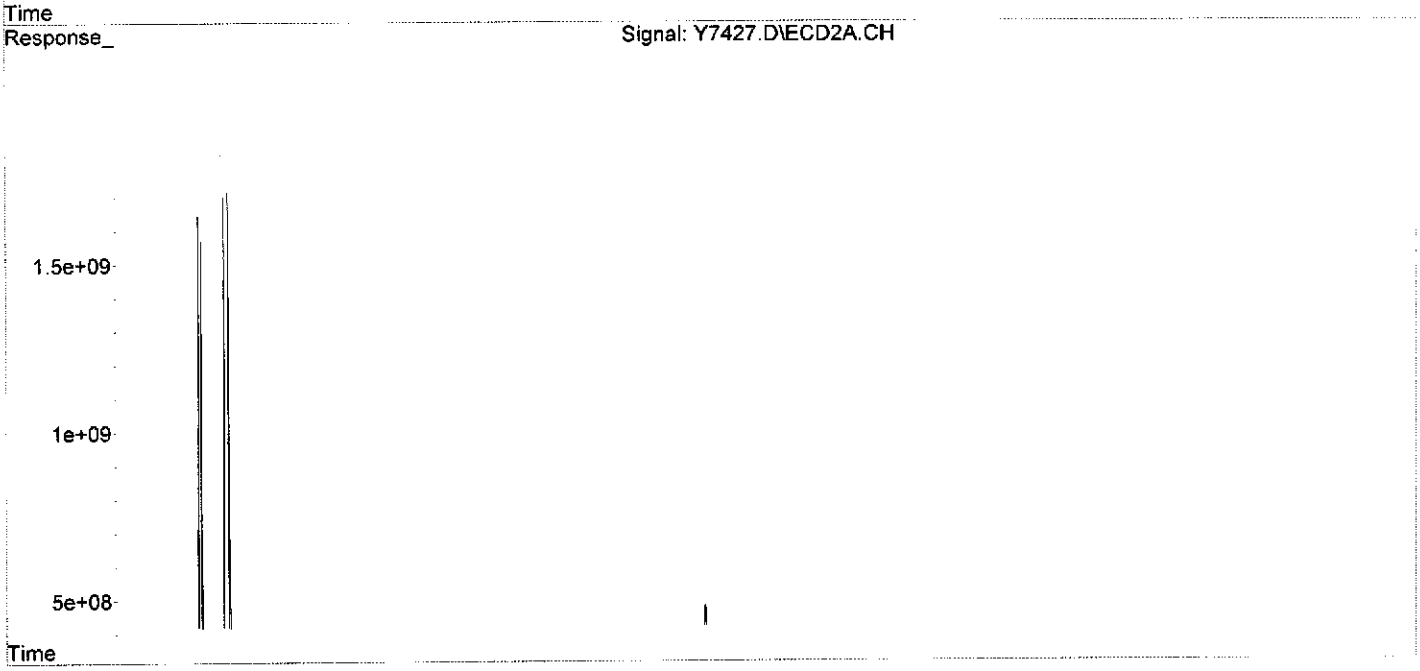
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7427.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 3:52
Operator : YG
Sample : R-43_(4.0-,07070-056,S,5.42g,17.7,07/24/12,4
Misc : 120724-08,07/16/12,07/16/12,1
ALS Vial : 16 Sample Multiplier: 1

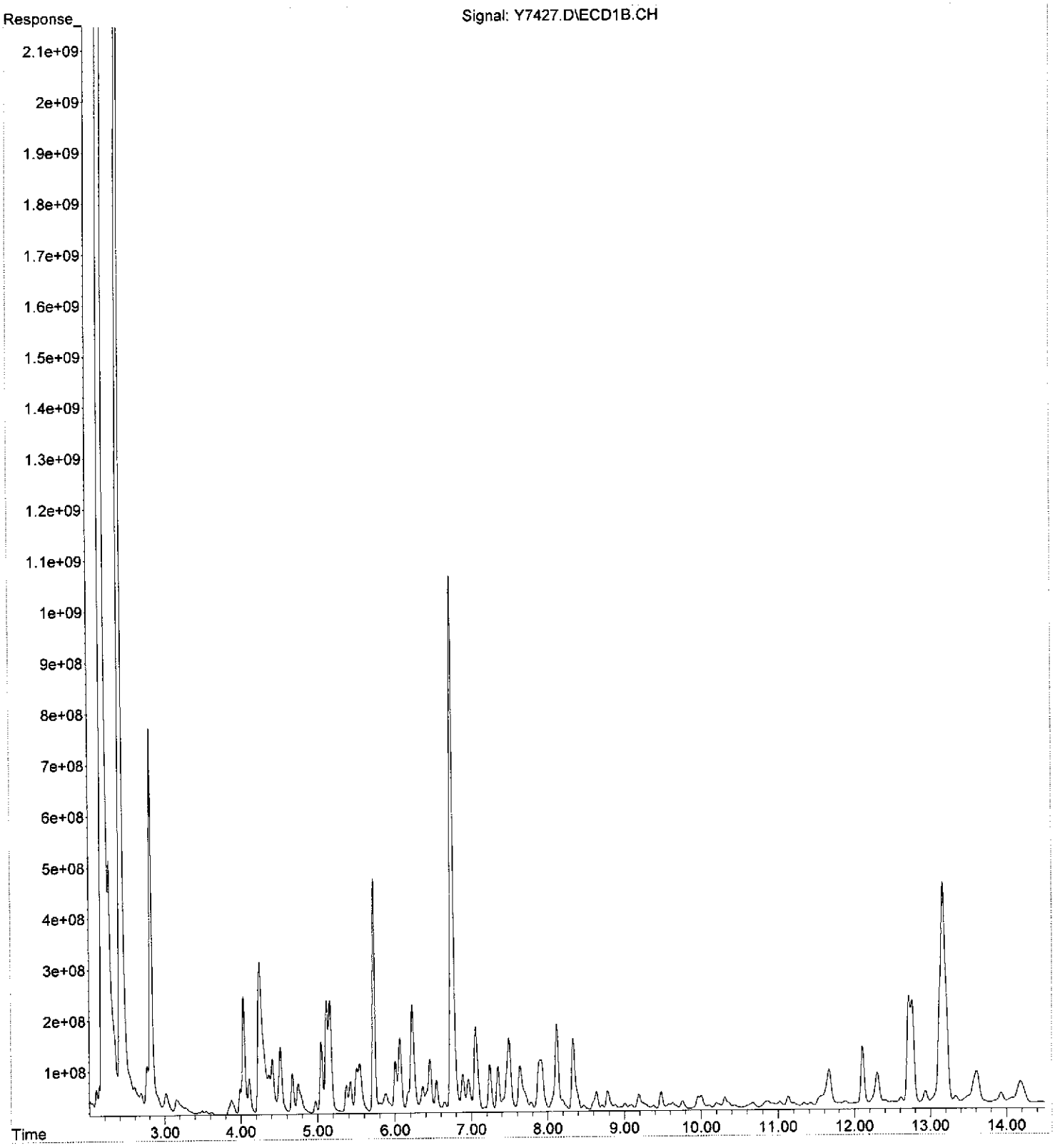
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 10:15:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

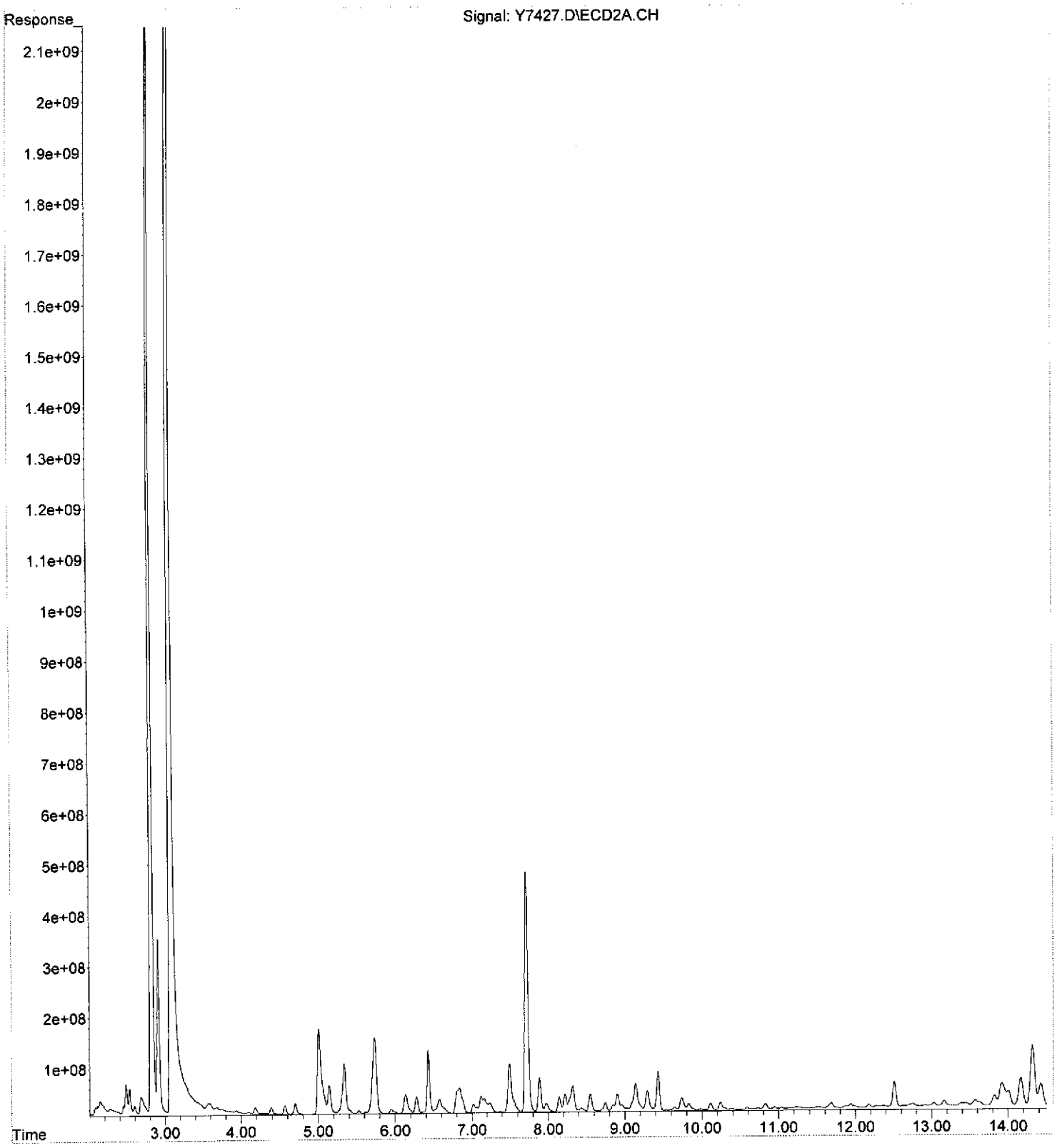


File :C:\MSDChem\1\DATA\07-25-12\Y7427.D
Operator : YG
Acquired : 26 Jul 2012 3:52 using AcqMethod YPCB0626.M
Instrument : GC_Y
Sample Name: R-43_(4.0-,07070-056,S,5.42g,17.7,07/24/12,4
Misc Info : 120724-08,07/16/12,07/16/12,1
Vial Number: 16



File :C:\MSDChem\1\DATA\07-25-12\Y7427.D
Operator : YG
Acquired : 26 Jul 2012 3:52 using AcqMethod YPCB0626.M
Instrument : GC_Y
Sample Name: R-43_(4.0-,07070-056,S,5.42g,17.7,07/24/12,4
Misc Info : 120724-08,07/16/12,07/16/12,1
Vial Number: 16



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7553.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 12:34
Operator : YG
Sample : R-43_(5.0-,07070-057,S,5.26g,60.3,07/24/12,4
Misc : 120724-08,07/16/12,07/16/12,5000
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 17:24:17 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 4.52 | 5.14 | 990.7E6 | 370.0E6 | 224.695 | 232.103 |
| 24) L6 Aroclor-1248 {2} | 5.05 | 5.73 | 1249.6E6 | 1892.5E6 | 515.580 | 807.855 # |
| 25) L6 Aroclor-1248 {3} | 5.37 | 6.13 | 610.7E6 | 485.4E6 | 199.029 | 286.547 # |
| 26) L6 Aroclor-1248 {4} | 6.07 | 6.27 | 2734.2E6 | 416.9E6 | 490.603 | 286.830 # |
| 27) L6 Aroclor-1248 {5} | 6.36 | 6.63 | 572.4E6 | 122.8E6 | 137.415 | 146.233 |
| Sum Aroclor-1248 | | | 6157.6E6 | 3287.6E6 | 1567.322 | 1759.568 |
| Average Aroclor-1248 | | | | | 313.464 | 351.914 |
| 28) L7 Aroclor-1254 | 6.46 | 7.12 | 2245.6E6 | 558.7E6 | 381.197 | 257.820 # |
| 29) L7 Aroclor-1254 {2} | 6.89 | 7.70 | 1261.3E6 | 590.1E6 | 325.149 | 345.469 |
| 30) L7 Aroclor-1254 {3} | 7.05 | 8.32 | 2881.9E6 | 753.8E6 | 388.811 | 447.575 |
| 31) L7 Aroclor-1254 {4} | 7.49 | 8.54 | 3272.9E6 | 404.3E6 | 425.589 | 419.308 |
| 32) L7 Aroclor-1254 {5} | 8.34 | 9.13 | 2734.9E6 | 977.2E6 | 396.362 | 408.714 |
| Sum Aroclor-1254 | | | 12396.6E6 | 3284.0E6 | 1917.108 | 1878.886 |
| Average Aroclor-1254 | | | | | 383.422 | 375.777 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

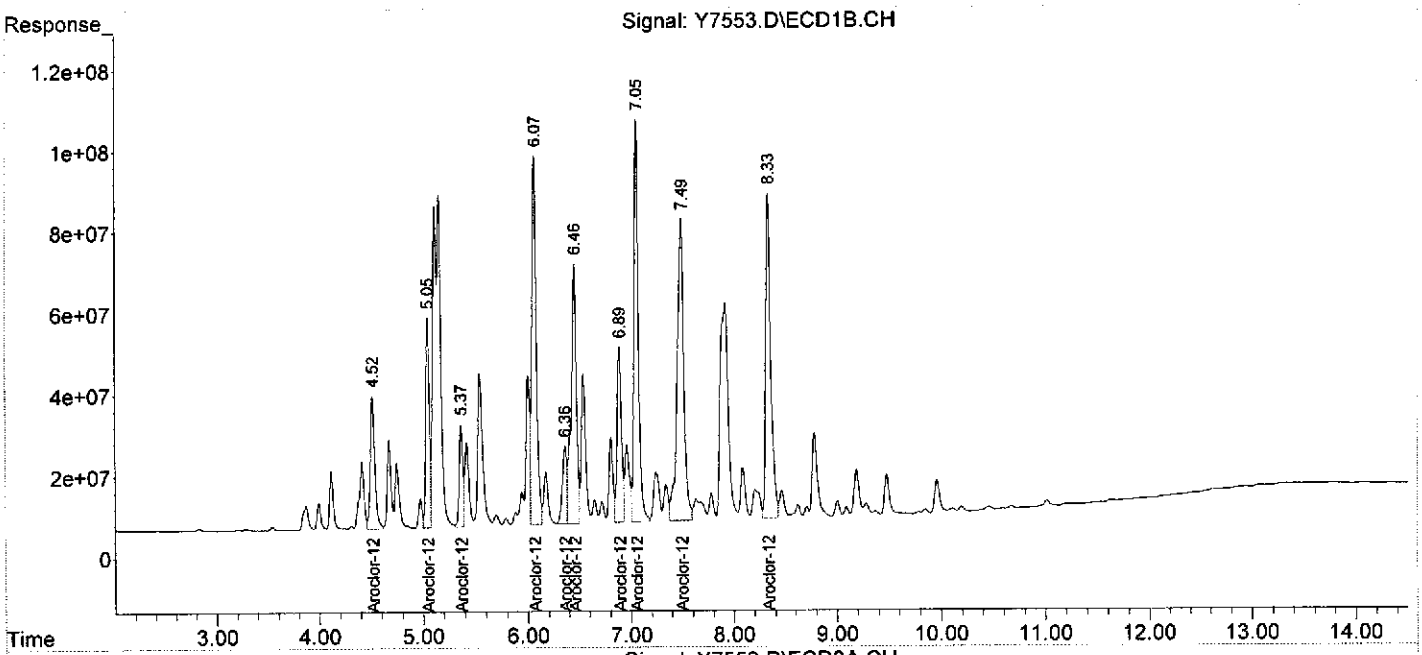
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

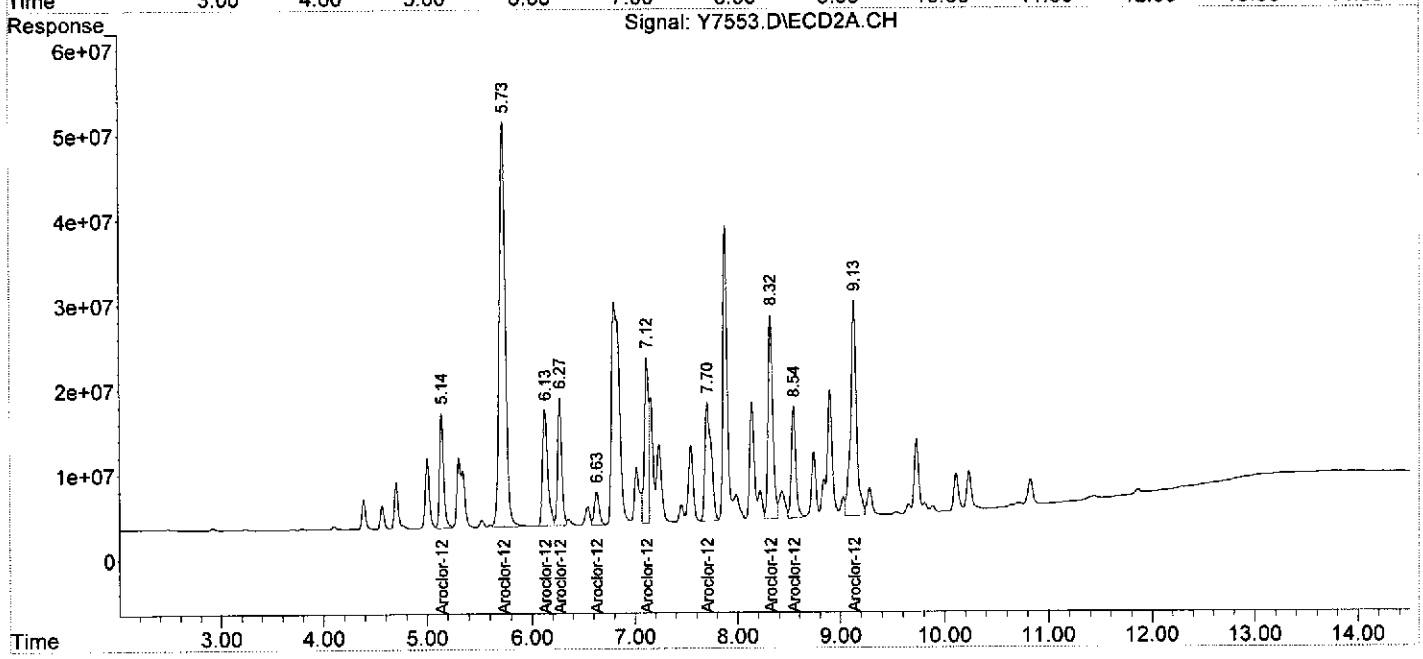
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7553.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 28 Jul 2012 12:34
Operator : YG
Sample : R-43_(5.0-,07070-057,S,5.26g,60.3,07/24/12,4
Misc : 120724-08,07/16/12,07/16/12,5000
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 17:24:17 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7486.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Jul 2012 16:27
Operator : YG
Sample : R-43_(6.0-,07070-058,S,5.74g,25.8,07/24/12,4
Misc : 120724-08,07/16/12,07/16/12,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 17:22:07 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 21335.0E6 | 8166.0E6 | 224.412 | 233.630 |
| Spiked Amount 200.000 | | | Recovery | = | 112.21% | 116.82% |
| 2) S DCB | 12.10 | 12.51 | 4955.5E6 | 1938.8E6 | 240.465m | 225.617m |
| Spiked Amount 200.000 | | | Recovery | = | 120.23% | 112.81% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| 23) L6 Aroclor-1248 | 4.52 | 5.14 | 184.4E6 | 63552136 | 41.817 | 39.867 |
| 24) L6 Aroclor-1248 {2} | 5.05 | 5.73 | 178.5E6 | 240.6E6 | 73.640 | 102.699m# |
| 25) L6 Aroclor-1248 {3} | 5.36 | 6.13 | 81873186 | 76928097 | 26.682 | 45.416 # |
| 26) L6 Aroclor-1248 {4} | 6.07 | 6.27 | 234.0E6 | 46102957 | 41.979 | 31.717 |
| 27) L6 Aroclor-1248 {5} | 6.36 | 6.63 | 87380452 | 14389388 | 20.977 | 17.138 |
| Sum Aroclor-1248 | | | 766.1E6 | 441.6E6 | 205.095 | 236.838 |
| Average Aroclor-1248 | | | | | 41.019 | 47.368 |
| 28) L7 Aroclor-1254 | 6.46 | 7.12 | 157.4E6 | 47082476 | 26.727m | 21.728m |
| 29) L7 Aroclor-1254 {2} | 6.89 | 7.71 | 137.6E6 | 78099304 | 35.470 | 45.720 # |
| 30) L7 Aroclor-1254 {3} | 7.05 | 8.32 | 286.4E6 | 93383712 | 38.644 | 55.450 # |
| 31) L7 Aroclor-1254 {4} | 7.49 | 8.55 | 356.3E6 | 54944800 | 46.332 | 56.990 |
| 32) L7 Aroclor-1254 {5} | 8.33 | 9.14 | 346.6E6 | 133.1E6 | 50.232 | 55.658 |
| Sum Aroclor-1254 | | | 1284.4E6 | 406.6E6 | 197.407 | 235.546 |
| Average Aroclor-1254 | | | | | 39.481 | 47.109 |
| 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\07-27-12\
Data File : Y7486.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Jul 2012 16:27
Operator : YG
Sample : R-43_(6.0-,07070-058,S,5.74g,25.8,07/24/12,4
Misc : 120724-08,07/16/12,07/16/12,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 17:22:07 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|

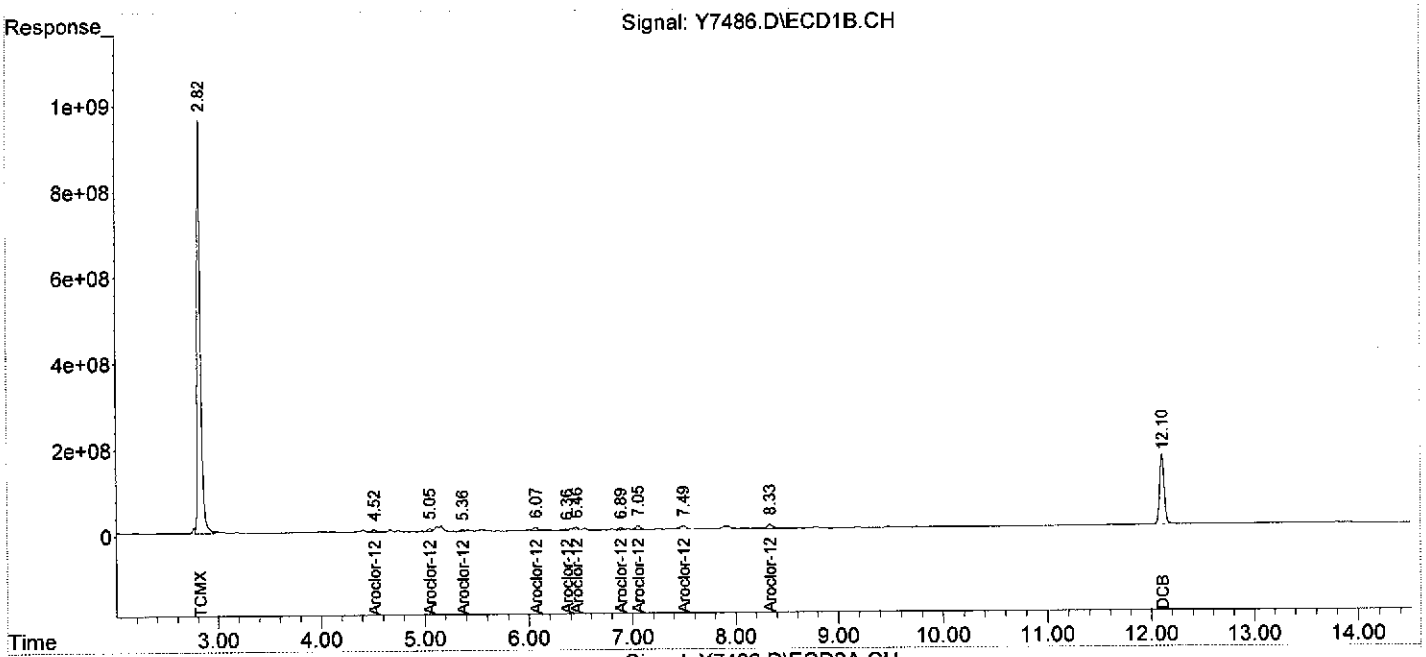
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

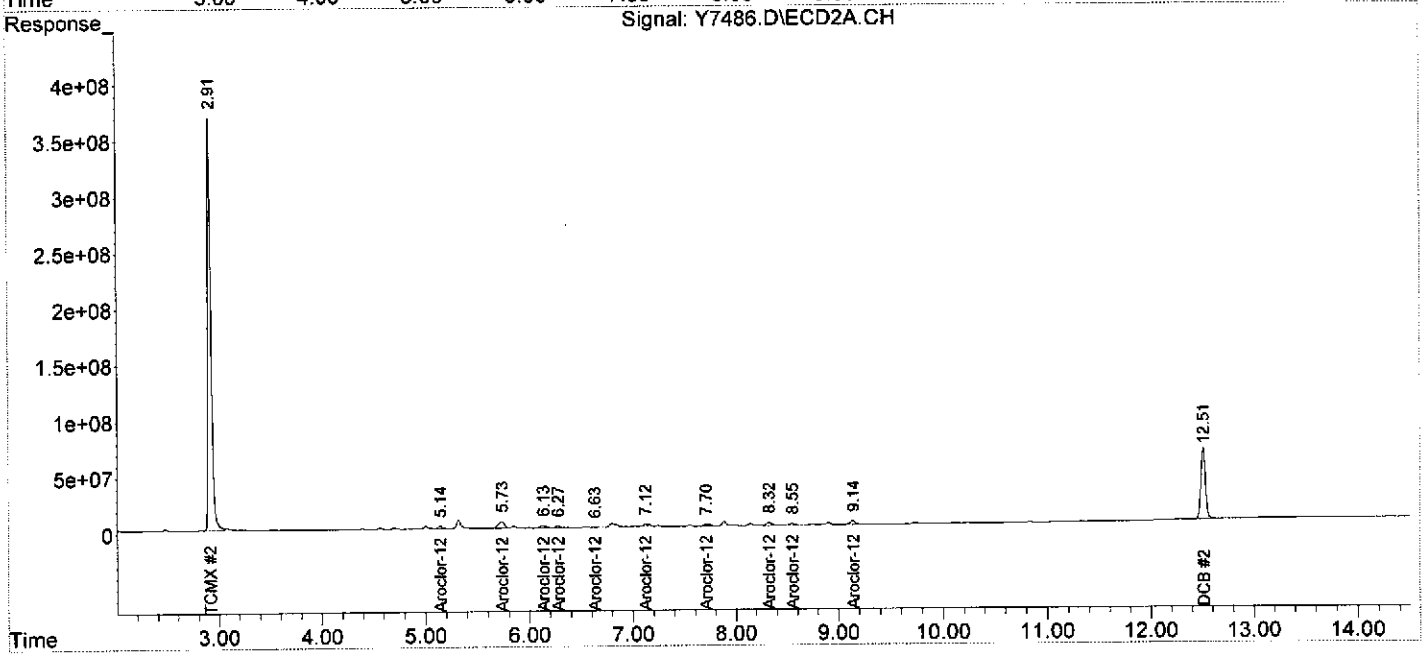
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7486.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Jul 2012 16:27
Operator : YG
Sample : R-43_(6.0-,07070-058,S,5.74g,25.8,07/24/12,4
Misc : 120724-08,07/16/12,07/16/12,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 17:22:07 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-23-12\
Data File : Y7282.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Jul 2012 7:22
Operator : YG
Sample : FB-13,07070-059,A,1000ml,100,07/19/12,1
Misc : 120719-17,07/16/12,07/16/12,1
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 27 13:17:42 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.92 | 12497.2E6 | 4441.1E6 | 132.073 | 141.298 |
| Spiked Amount 200.000 | | | Recovery | = | 66.04% | 70.65% |
| 2) S DCB | 12.10 | 12.51 | 2385.9E6 | 975.8E6 | 122.595m | 128.020m |
| Spiked Amount 200.000 | | | Recovery | = | 61.30% | 64.01% |
| 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 |

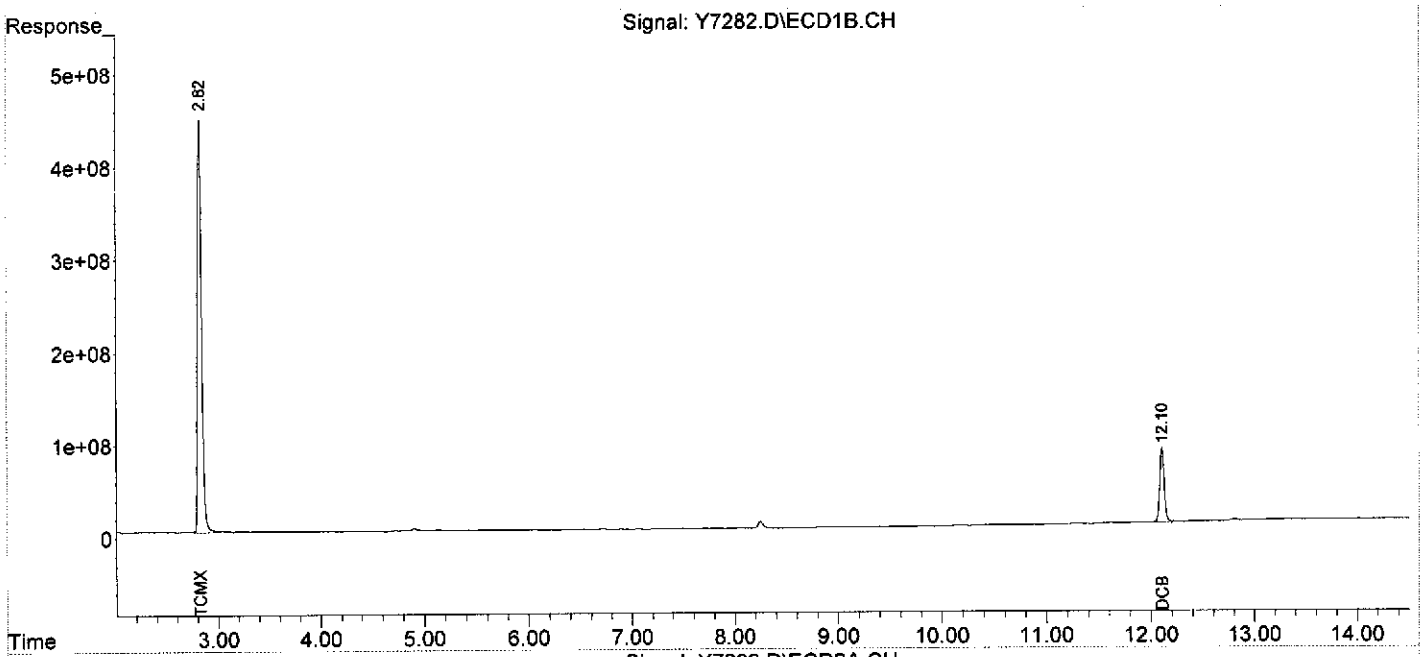
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

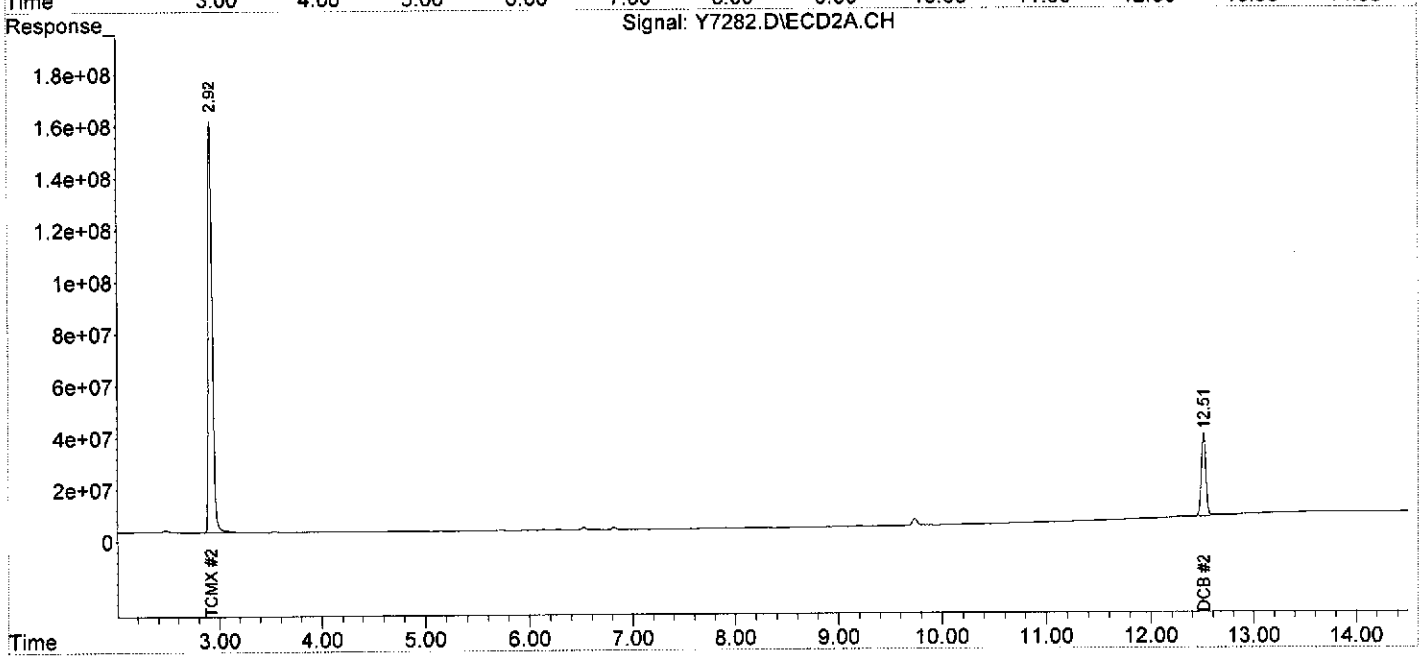
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-23-12\
Data File : Y7282.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 24 Jul 2012 7:22
Operator : YG
Sample : FB-13,07070-059,A,1000ml,100,07/19/12,1
Misc : 120719-17,07/16/12,07/16/12,1
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 27 13:17:42 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: BLKA120719-17
Client ID: PCB
Date Received: NA
Date Extracted: 07/19/2012
Date Analyzed: 07/24/2012
Data file: Y7272.D

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

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

E12-07070 0306

Quantitation Report (QT Reviewed)

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

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

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

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

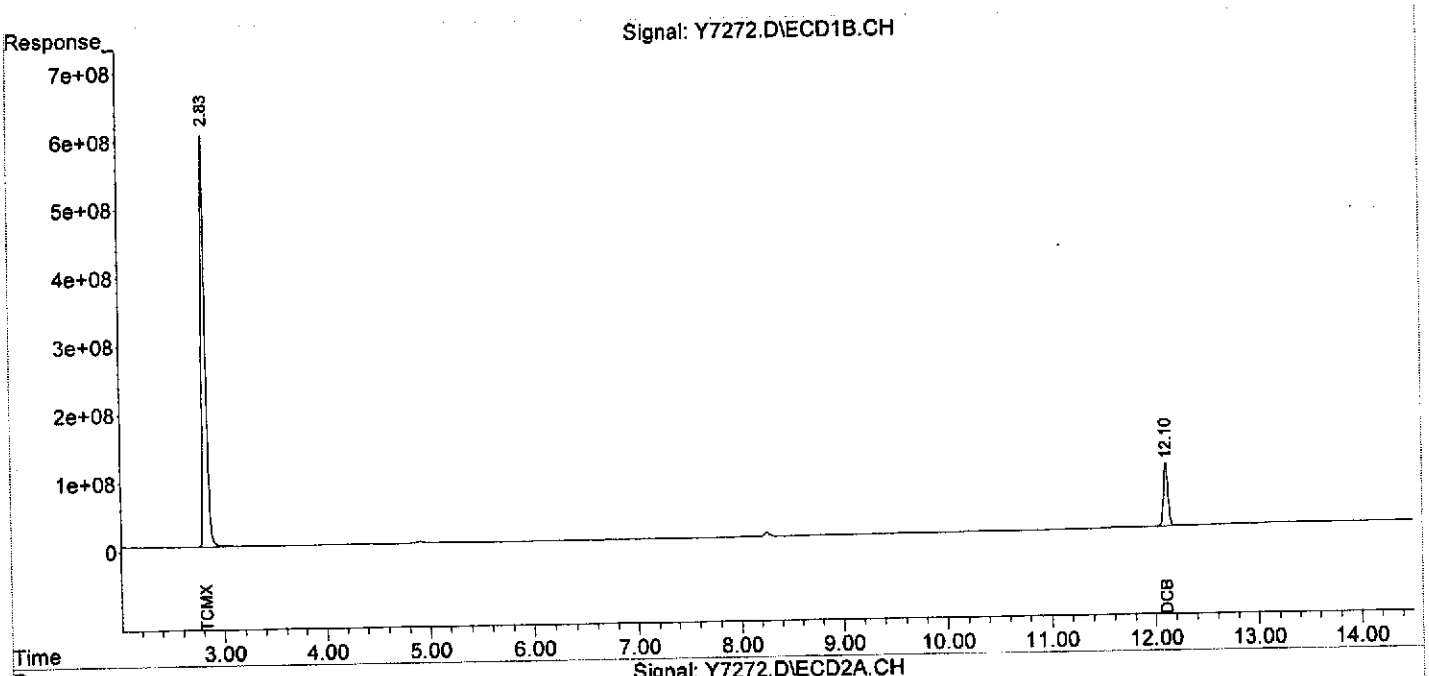
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

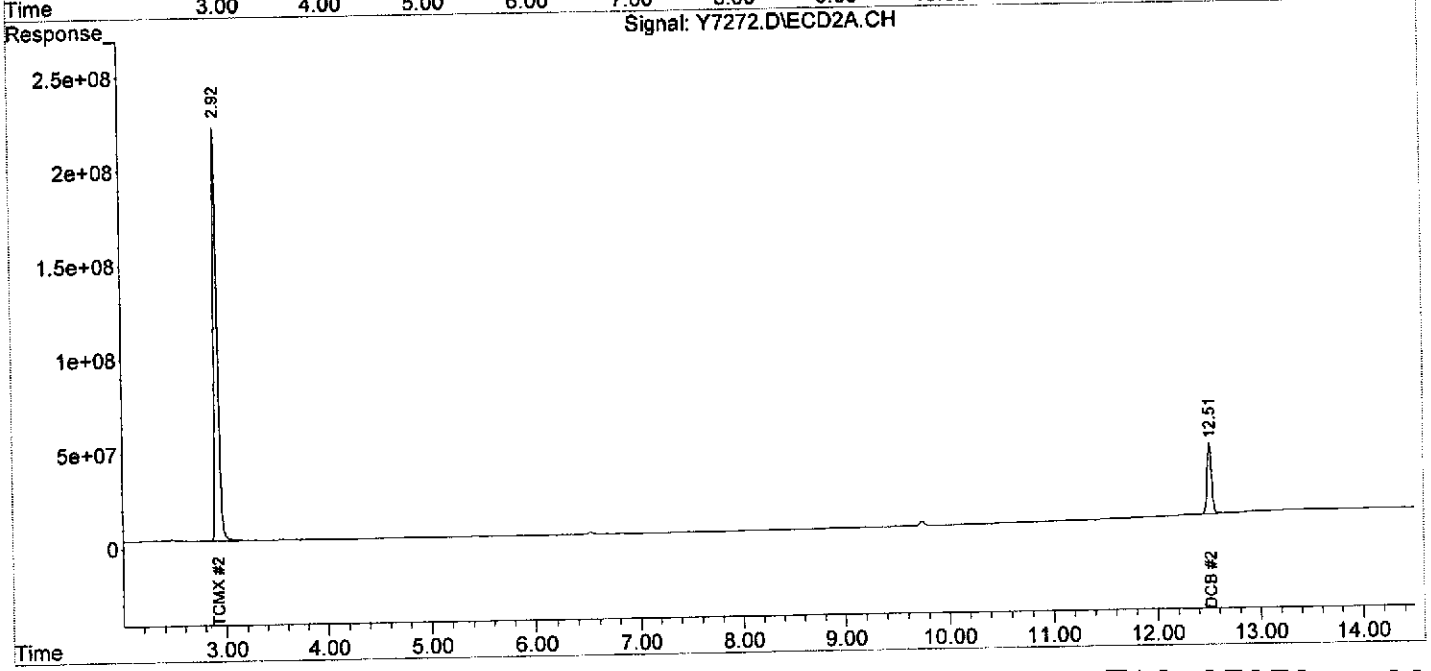
Quantitation Report (QT Reviewed)

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

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

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



# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: BLKS120723-11
Client ID: PCB
Date Received: NA
Date Extracted: 07/23/2012
Date Analyzed: 07/25/2012
Data file: Y7359.D

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

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

Quantitation Report (QT Reviewed)

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

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 11:59:56 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 19632.8E6 | 6794.3E6 | 207.485 | 216.164 |
| Spiked Amount 200.000 | | | Recovery | = | 103.74% | 108.08% |
| 2) S DCB | 12.11 | 12.51 | 4185.6E6 | 1559.2E6 | 215.068 | 204.555m |
| Spiked Amount 200.000 | | | Recovery | = | 107.53% | 102.28% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1248 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1248 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

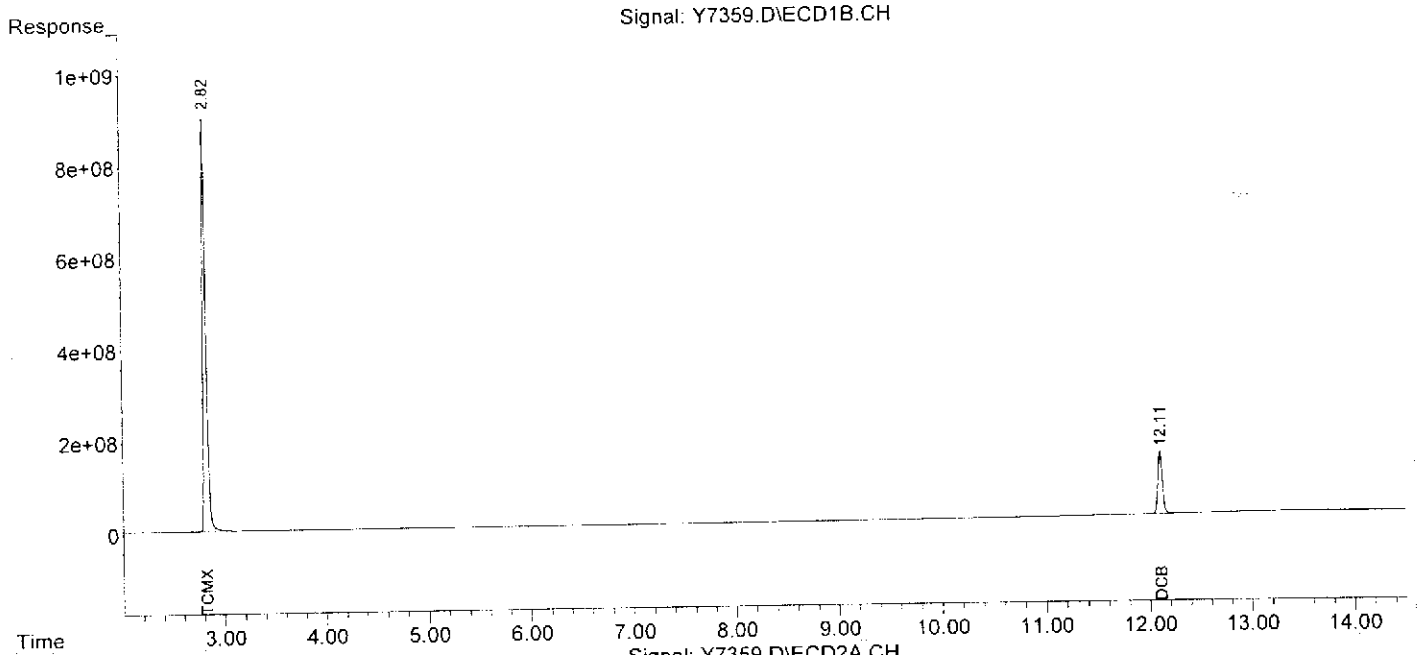
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

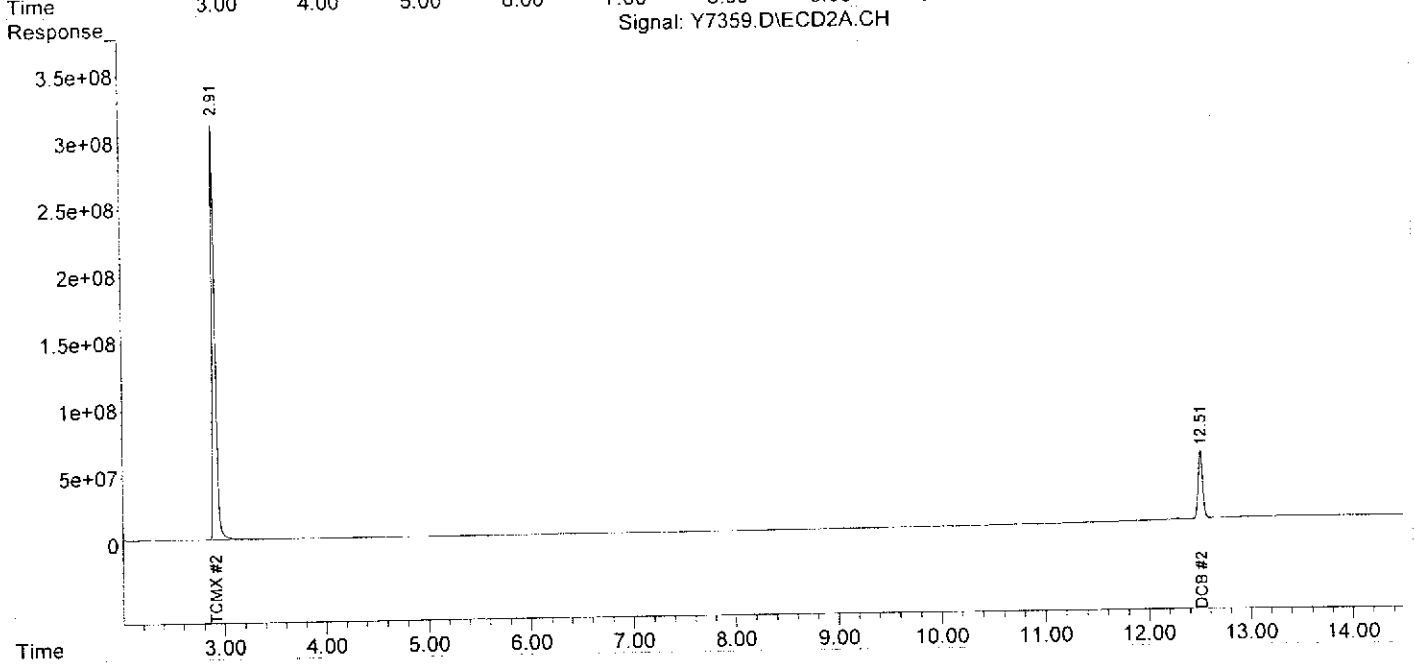
Quantitation Report (QT Reviewed)

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

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 11:59:56 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: BLKS120724-08
Client ID: PCB
Date Received: NA
Date Extracted: 07/24/2012
Date Analyzed: 07/26/2012
Data file: Y7425.D

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

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7425.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 3:17
Operator : YG
Sample : PCB,BLKS120724-08,S,5.00g,0,07/24/12,4
Misc : NA,NA,NA,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 10:11:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.91 | 19936.4E6 | 7010.0E6 | 210.693 | 223.029 |
| Spiked Amount 200.000 | | | Recovery | = | 105.35% | 111.51% |
| 2) S DCB | 12.11 | 12.51 | 3310.2E6 | 1444.7E6 | 170.087m | 189.536m |
| Spiked Amount 200.000 | | | Recovery | = | 85.04% | 94.77% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1248 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1248 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

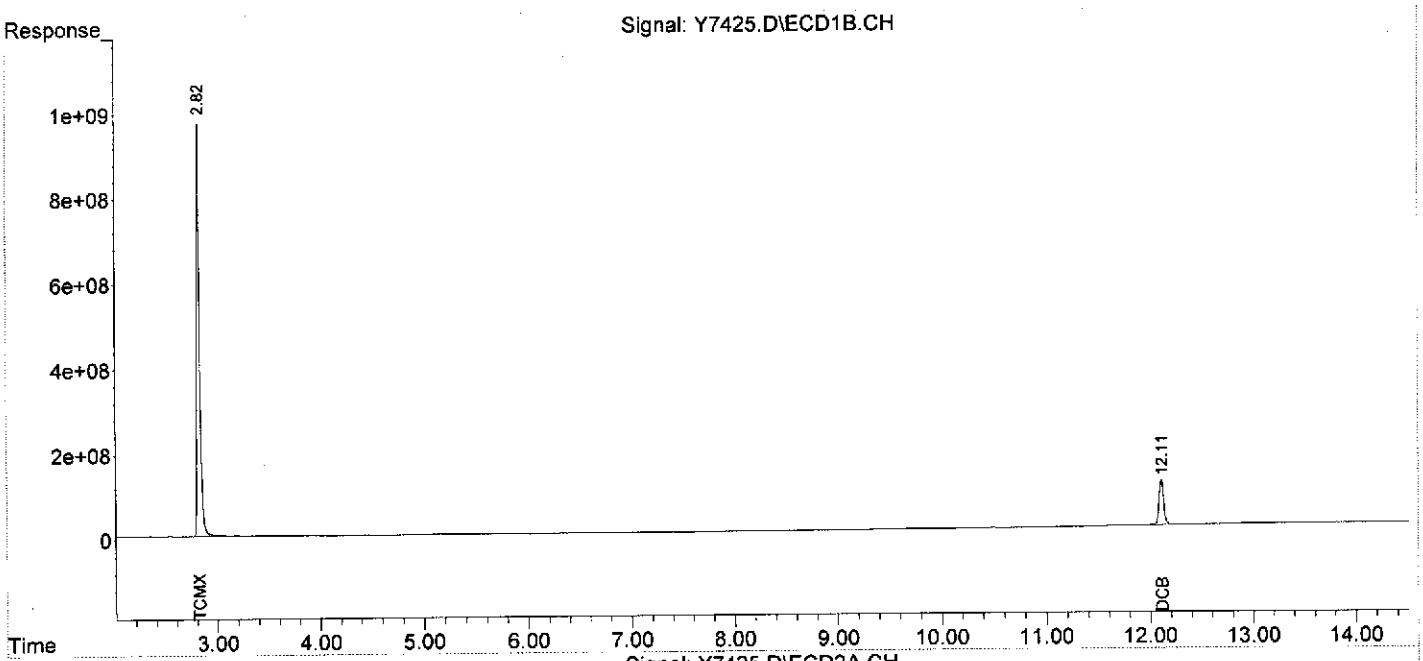
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

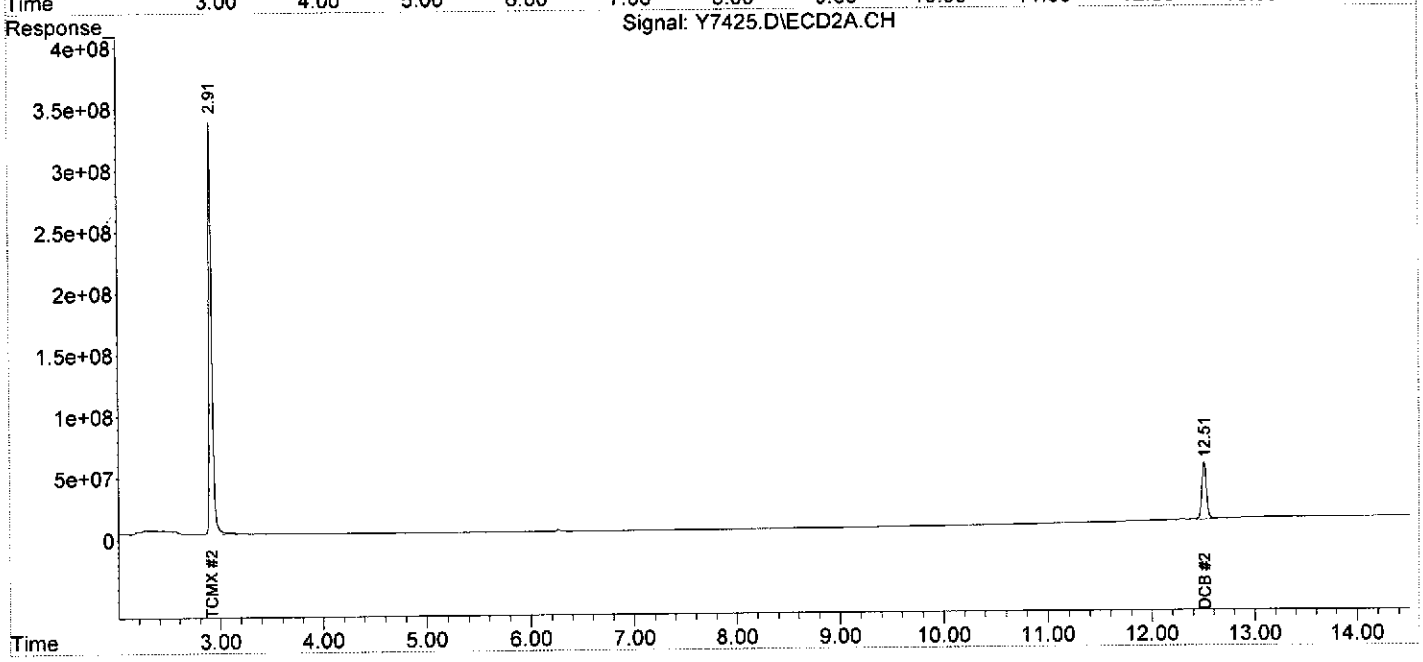
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-25-12\
Data File : Y7425.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 26 Jul 2012 3:17
Operator : YG
Sample : PCB,BLKS120724-08,S,5.00g,0,07/24/12,4
Misc : NA,NA,NA,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jul 26 10:11:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0626.M
Quant Title :
QLast Update : Sun Jul 22 13:20:51 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: BLKS120724-08
Client ID: PCB
Date Received: NA
Date Extracted: 07/24/2012
Date Analyzed: 07/27/2012
Data file: Y7484.D

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

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7484.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Jul 2012 15:52
Operator : YG
Sample : PCB,BLKS120724-08,S,5.00g,0,07/24/12,4
Misc : NA,NA,NA,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 17:20:15 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.92 | 22620.0E6 | 7756.9E6 | 237.928 | 221.925 |
| Spiked Amount 200.000 | | | Recovery | = | 118.96% | 110.96% |
| 2) S DCB | 12.10 | 12.51 | 2723.1E6 | 1671.7E6 | 132.138m | 194.530m# |
| Spiked Amount 200.000 | | | Recovery | = | 66.07% | 97.27% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1248 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1248 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

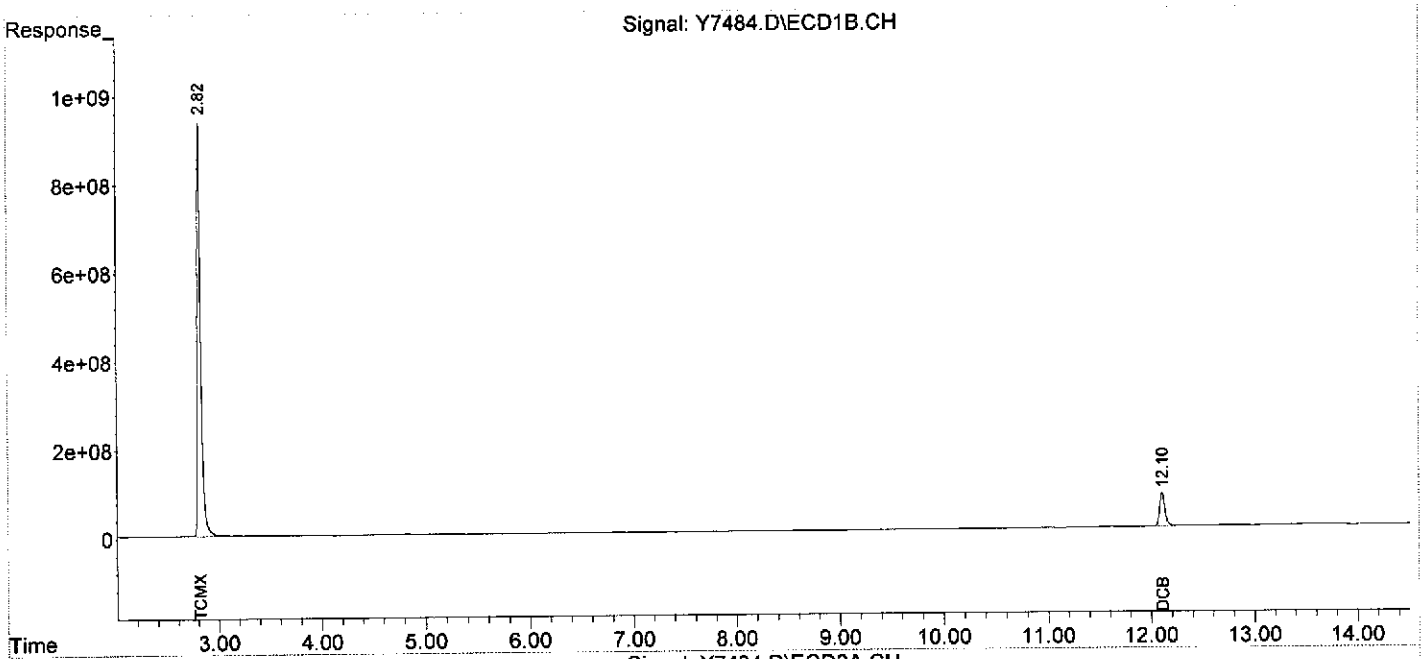
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

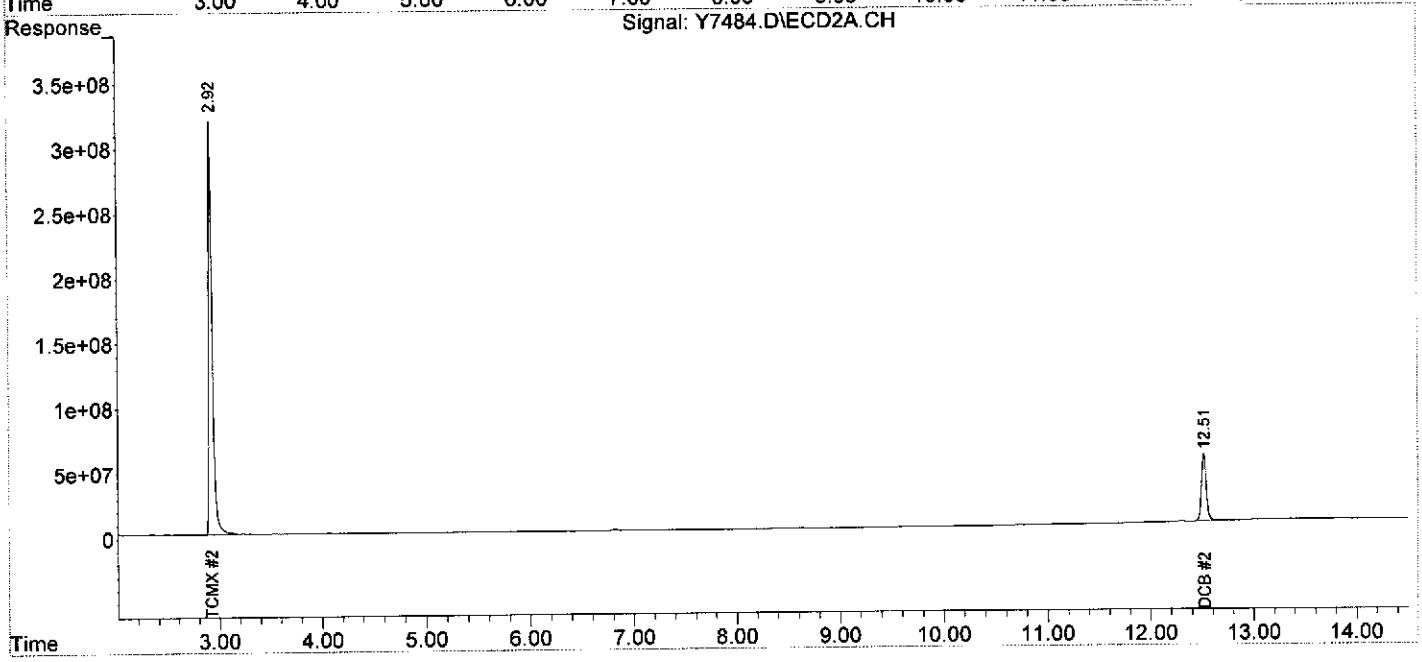
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-27-12\
Data File : Y7484.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 27 Jul 2012 15:52
Operator : YG
Sample : PCB,BLKS120724-08,S,5.00g,0,07/24/12,4
Misc : NA,NA,NA,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 01 17:20:15 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: BLKS120724-04
Client ID: PCB
Date Received: NA
Date Extracted: 07/24/2012
Date Analyzed: 07/30/2012
Data file: Y7642.D

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

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7642.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jul 2012 19:16
Operator : YG
Sample : PCB,BLKS120724-04,S,5.00g,0,07/24/12,4
Misc : NA,NA,NA,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:05:44 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 2.82 | 2.92 | 22528.6E6 | 6958.7E6 | 236.967 | 199.091 |
| Spiked Amount 200.000 | | | Recovery | = | 118.48% | 99.55% |
| 2) S DCB | 12.11 | 12.51 | 2881.7E6 | 1174.2E6 | 139.831m | 136.640m |
| Spiked Amount 200.000 | | | Recovery | = | 69.92% | 68.32% |
| Target Compounds | | | | | | |
| Sum Aroclor-1016 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1016 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1221 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1221 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1232 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1232 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1242 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1242 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1248 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1248 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1254 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1254 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1260 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1260 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1262 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1262 | | | | | 0.000 | 0.000 |
| Sum Aroclor-1268 | | | 0 | 0 | N.D. | N.D. |
| Average Aroclor-1268 | | | | | 0.000 | 0.000 |

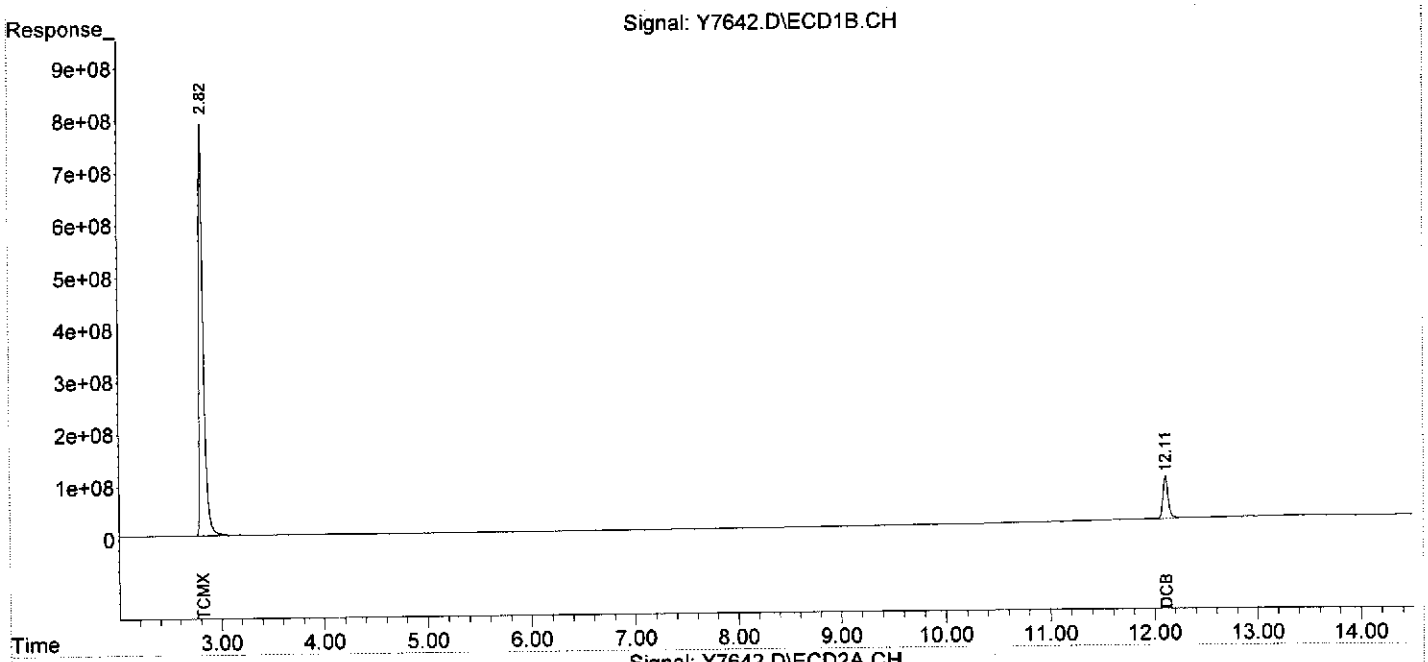
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

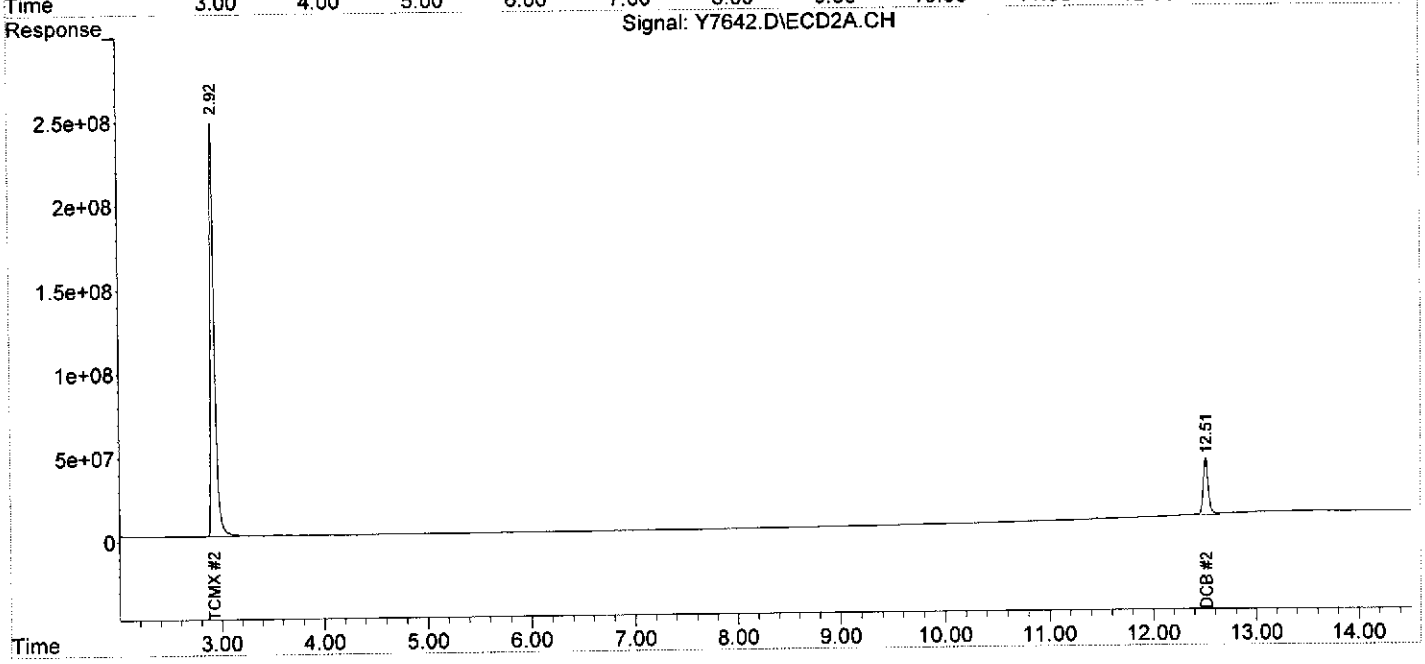
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-30-12\
Data File : Y7642.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 30 Jul 2012 19:16
Operator : YG
Sample : PCB,BLKS120724-04,S,5.00g,0,07/24/12,4
Misc : NA,NA,NA,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 12:05:44 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M
Quant Title :
QLast Update : Fri Jul 27 15:25:13 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



# INTEGRATED ANALYTICAL LABORATORIES

## PCB's

Lab ID: BLKS120723-12
Client ID: PCB
Date Received: NA
Date Extracted: 07/23/2012
Date Analyzed: 07/31/2012
Data file: R2217.D

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

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2217.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 15:32
Operator : IB
Sample : PCB,BLKS120723-12,S,5.00g,0,07/23/12,4
Misc : NA,NA,NA,1
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 13:48:22 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng#1 | ng#2 |
|---|---|---|---|---|---|---|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX | 3.47 | 3.40 | 53978.3E6 | 42965.6E6 | 306.121m | 316.841m |
| Spiked Amount 200.000 | | | Recovery | = | 153.06% | 158.42% |
| 2) S DCB | 13.10 | 13.20 | 22819.0E6 | 11532.5E6 | 294.582 | 332.448 |
| Spiked Amount 200.000 | | | Recovery | = | 147.29% | 166.22% |
| 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 |

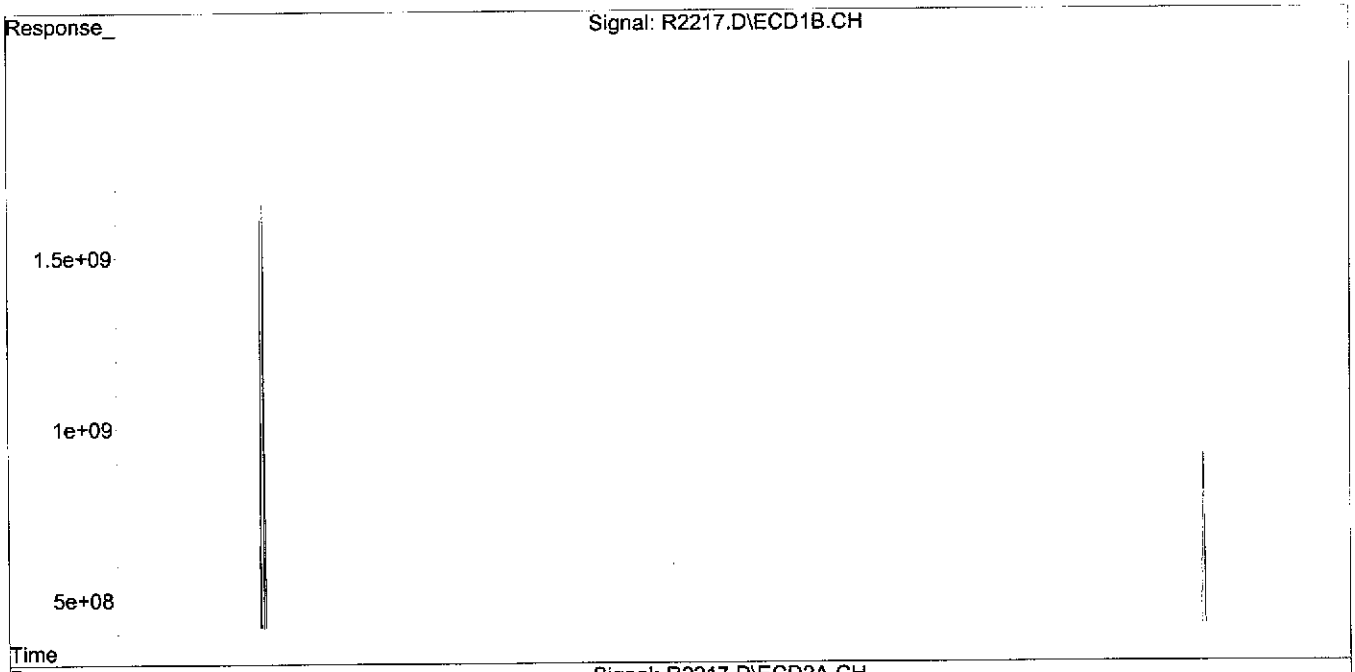
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

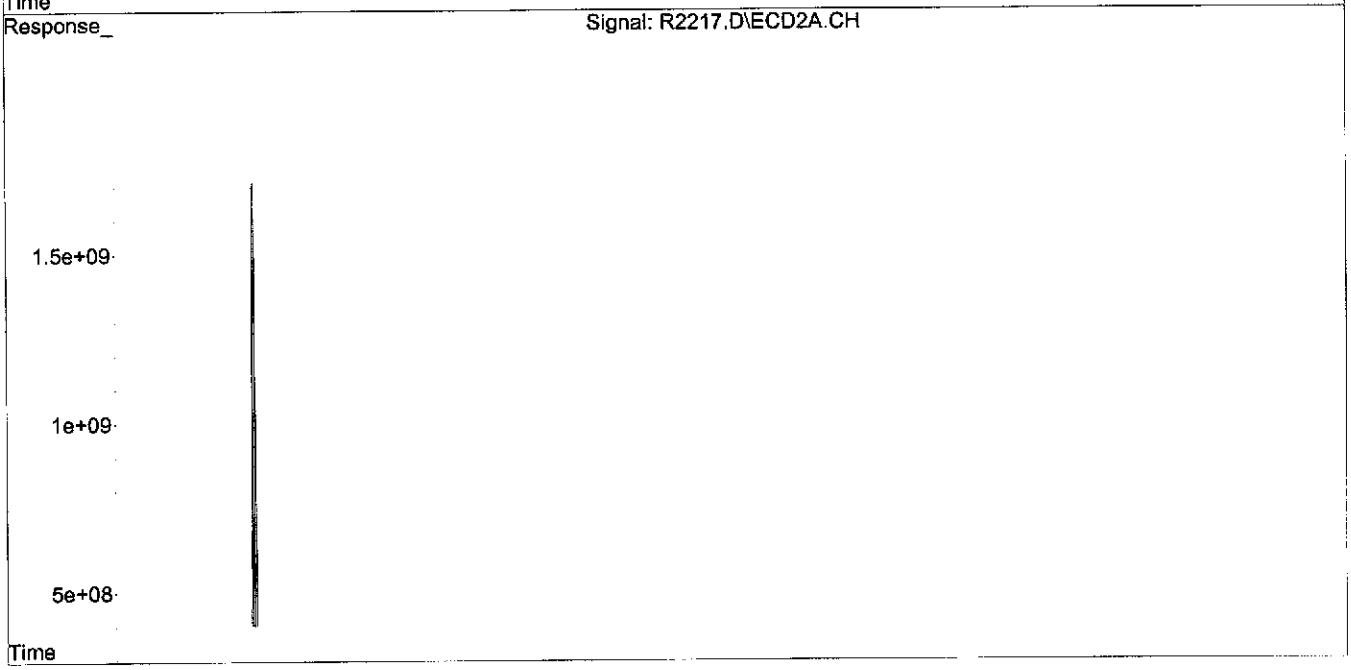
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\07-31-12\
Data File : R2217.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Jul 2012 15:32
Operator : IB
Sample : PCB,BLKS120723-12,S,5.00g,0,07/23/12,4
Misc : NA,NA,NA,1
ALS Vial : 49 Sample Multiplier: 1

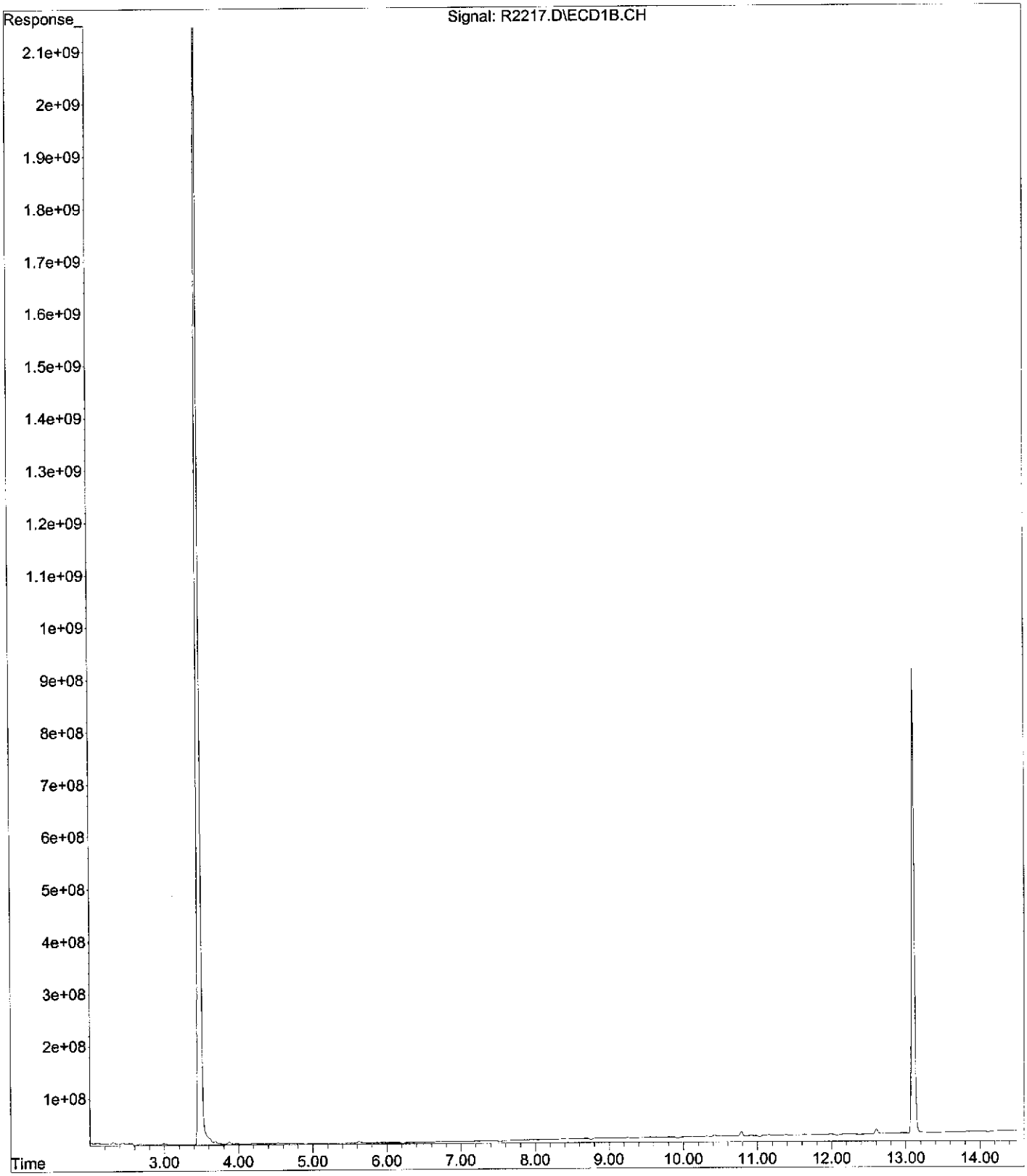
Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Aug 02 13:48:22 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0725.M
Quant Title :
QLast Update : Tue Jul 31 15:22:56 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



File :C:\MSDCHEM\1\DATA\07-31-12\R2217.D
Operator : IB
Acquired : 31 Jul 2012 15:32 using AcqMethod RPCB0725.M
Instrument : GC_R
Sample Name: PCB,BLKS120723-12,S,5.00g,0,07/23/12,4
Misc Info : NA,NA,NA,1
Vial Number: 49



File :C:\MSDCHEM\1\DATA\07-31-12\R2217.D
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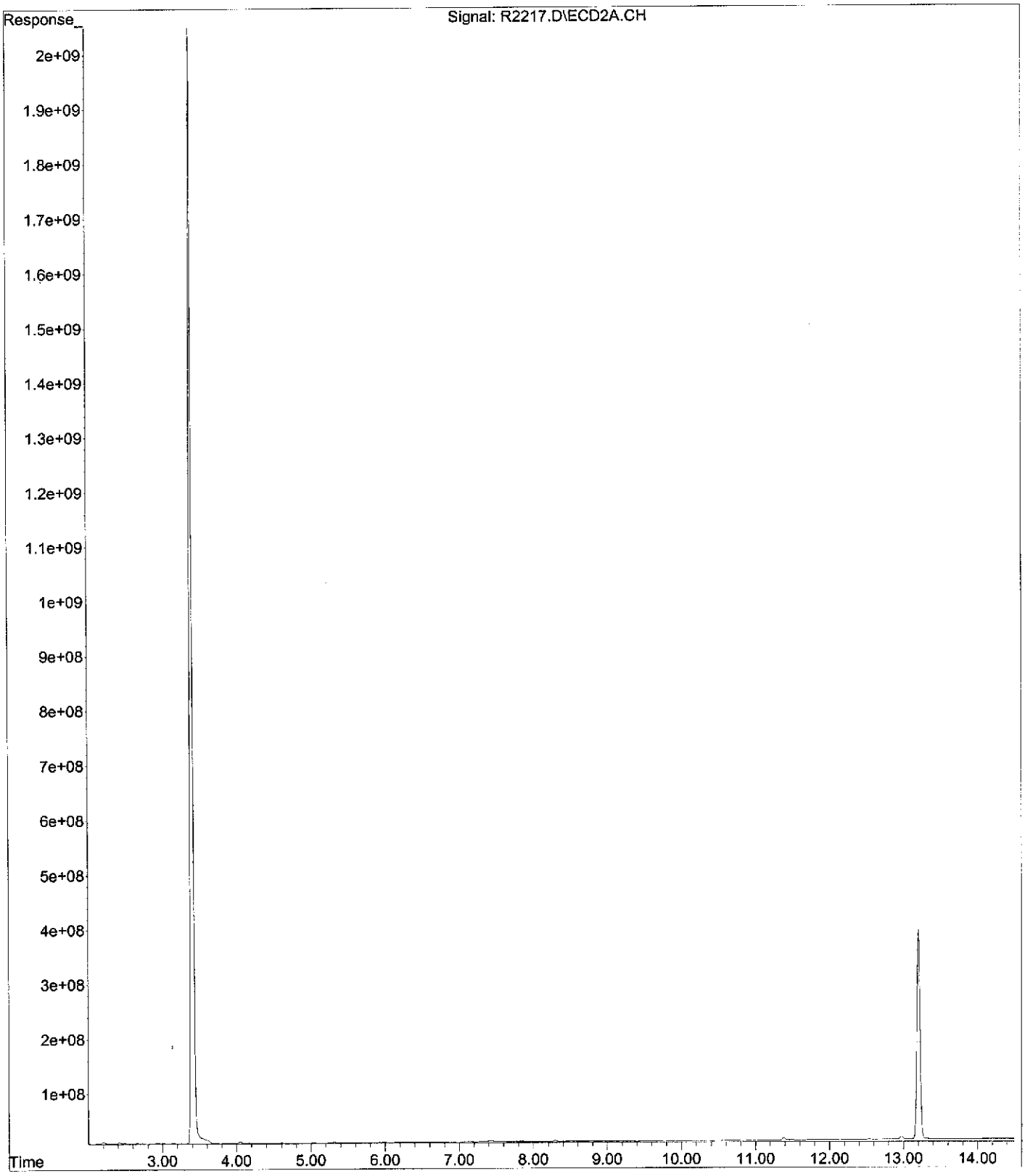

SAMPLE TRACKING

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

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

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

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

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

**PHC - MUST CHOOSE**

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

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

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

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

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

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

Cooler Temp <4 4 °C

**Sample 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T-42 (0-2.0') | | 7/16/12 | 9:07 | S | 1 | 1 | x | | | | | | |
| T-42 (2.0-3.0') | | | 9:08 | S | 1 | 2 | x | | | | | | |
| T-42 (3.0-4.0') | | | 9:09 | S | 1 | 3 | x | | | | | | |
| T-42 (4.0-6.0') | | | 9:10 | S | 1 | 4 | x | | | | | | |
| T-42 (6.0-8.0') | | | 9:11 | S | 1 | 5 | x | | | | | | |
| S-43 (0-2.0') | | | 9:35 | S | 1 | 6 | x | | | | | | |
| S-43 (2.0-4.0') | | | 9:36 | S | 1 | 7 | x | | | | | | |
| S-43 (4.0-6.0') | | | 9:37 | S | 1 | 8 | x | | | | | | |

Known Hazard: Yes or No Describe: | Conc. Expected: Low Med High | MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)

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

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

| Signature/Company | Date | Time | Signature/Company | Date | Time |
|---|---|---|---|---|---|
| Relinquished by: | 7/16/12 | 3:25 | Received by: | 7/16/12 | 15:25 |
| Relinquished by: | 7/16/12 | 16:35 | Received by: | 7/16/12 | 1635 |
| Relinquished by: | | | Received by: | | |
| Relinquished by: | | | Received by: | | |
| Relinquished by: | | | Received by: | | |

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| Fax #: (732) 295-2150 | FAX # (732) 295-2150 |
| Project Manager: James Clabby | INVOICE TO: Aceto Corp. |
| EMAIL Address: jclabby@jmcenvironmental.com | Address: 4 Tri Harbor Court |
| Sampler: Alton Hallgreen | Port Washington, NY 11050 |
| Project Name: Arsynco | (with copy to: JMC Environmental (attn.: J. Clabby)) |
| Project Location (State): NJ | Attn: Ed Kelly |
| Bottle Order #: | PO # 22126 |
| Quote # : SR041205 | |

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

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**PHC - MUST CHOOSE**

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

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

**ANALYTICAL PARAMETERS**

**# BOTTLES & PRESERVATIVES**

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

**SAMPLE INFORMATION**

| Client ID | Depth (ft only) | Sampling Date | Sampling Time | Matrix | # containers | IAL # | TCL PCB (8082) | HCL | HNO3 | MeOH | H2SO4 | NAOH/ZNAc | Sterile |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S-43 (6.0-8.0') | | 7/16/12 | 9:38 | S | 1 | 9 | x | | | | | | |
| S-43 (8.0'-10.0') | | | 9:39 | S | 1 | 10 | x | | | | | | |
| R-44 (0-2.0) | | | 10:04 | S | 1 | 11 | x | | | | | | |
| R-44 (2.0-4.0) | | | 10:05 | S | 1 | 12 | x | | | | | | |
| R-44 (4.0-6.0) | | | 10:06 | S | 1 | 13 | x | | | | | | |
| R-46 (0-2.0') | | | 10:25 | S | 1 | 14 | x | | | | | | |
| R-46 (20-40') | | | 10:26 | S | 1 | 15 | x | | | | | | |
| R-46 (40-60') | | | 10:27 | 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)

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| Signature/Company | Date | Time | Signature/Company | Date | Time |
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| Relinquished by: | 7/16/12 | 3:25 | Received by: | 7/16/12 | 15:25 |
| Relinquished by: | 7/16/12 | 16:35 | Received by: | 7/16/12 | 1635 |
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| Relinquished by: | | | Received by: | | |

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Lab Case # 07070

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Web: www.ialonline.com

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| Point Pleasant, NJ 08742 | | |
| Telephone #: (732) 295-2144 | Attn: | |
| Fax #: (732) 295-2150 | FAX # (732) 295-2150 | |
| Project Manager: James Clabby | INVOICE TO: | Aceto Corp. |
| EMAIL Address: jclabby@jmcenvironmental.com | Address: 4 Tri Harbor Court | |
| Sampler: Alton Hallgreen | Port Washington, NY 11050 | |
| Project Name: Ansynco | (with copy to: JMC Environmental (attn.: J. Clabby)) | |
| Project Location (State): NJ | Attn: Ed Kelly | |
| Bottle Order #: | PO # 22126 | |
| Quote # : SR041205 | | |

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

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

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

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

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

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

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

Cooler Temp <4 4 °C

## SAMPLE INFORMATION

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

ANALYTICAL PARAMETERS / # BOTTLES & PRESERVATIVES

| Client ID | Depth (ft only) | Sampling Date | Sampling Time | Matrix | # containers | IAL # | TCL PCB (8082) | HCL | HNO3 | MeOH | H2SO4 | NAOH/ZNAc | Sterile |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P-47 (0-2.0') | | 7/16/12 | 10:46 | S | 1 | 17 | x | | | | | | |
| P-47 (2.0-4.0') | | | 10:47 | S | 1 | 18 | x | | | | | | |
| P-47 (4.0-6.0) | | | 10:48 | S | 1 | 19 | x | | | | | | |
| O-43 (0-2.0') | | | 11:10 | S | 1 | 20 | x | | | | | | |
| O-43 (2.0-4.0') | | | 11:11 | S | 1 | 21 | x | | | | | | |
| O-43 (4.0-6.0') | | | 11:12 | S | 1 | 22 | x | | | | | | |
| O-43 (6.0-8.0') | | | 11:13 | S | 1 | 23 | x | | | | | | |
| F-42 (0-2.0) | | | 11:35 | S | 1 | 24 | x | | | | | | |

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

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

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

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| Relinquished by: | 7/16/12 | 16:35 | Received by: | 7/16/12 | 16:35 |
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Lab Case # 07070

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Integrated Analytical Labs
273 Franklin Rd
Randolph, NJ 07869

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

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

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

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**PHC - MUST CHOOSE**

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

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P-42 (2.0'-4.0') | | 7/16/12 | 11:37 | S | 1 | 25 | x | | | | | | |
| P-42 (4.0'-6.0') | | | 11:38 | S | 1 | 26 | x | | | | | | |
| P-41 (0-2.0) | | | 11:58 | S | 1 | 27 | x | | | | | | |
| P-41 (2.0-4.0') | | | 11:59 | S | 1 | 28 | x | | | | | | |
| P-41 (4.0-5.0') | | | 12:01 | S | 1 | 29 | x | | | | | | |
| P-41 (5.0'-6.0') | | | 12:02 | S | 1 | 30 | x | | | | | | |
| P-41 (6.0'-8.0') | | | 12:03 | S | 1 | 31 | x | | | | | | |
| Q-40 (0-2.0') | | | 12:30 | S | 1 | 32 | x | | | | | | |

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

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

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|---|---|---|---|---|---|
| Relinquished by: [signature] | 7/16/12 | 3:25 | Received by: [signature] | 7/16/12 | 15:35 |
| Relinquished by: [signature] | 7/16/12 | 1635 | Received by: [signature] | 7/16/12 | 1635 |
| Relinquished by: | | | Received by: | | |
| Relinquished by: | | | Received by: | | |
| Relinquished by: | | | Received by: | | |

Comments:

Lab Case # 07070

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| Project Name: Arsynco | (with copy to: JMC Environmental (attn.: J. Clabby)) |
| Project Location (State): NJ | Attn: Ed Kelly |
| Bottle Order #: | PO # 22126 |
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## SAMPLE INFORMATION

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q-40 (2.0-4.0) | | 7/16/12 | 12:31 | S | 1 | 33 | x | | | | | | |
| Q-40 (4.0-6.0) | | | 12:33 | S | 1 | 34 | x | | | | | | |
| Q-40 (6.0-8.0) | | | 12:35 | S | 1 | 35 | x | | | | | | |
| Q-41 (0-2.0) | | | 1:34 | S | 1 | 36 | x | | | | | | |
| Q-41 (2.0-4.0) | | | 1:35 | S | 1 | 37 | x | | | | | | |
| Q-41 (4.0-6.0) | | | 1:36 | S | 1 | 38 | x | | | | | | |
| Q-41 (6.0-8.0) | | | 1:37 | S | 1 | 39 | x | | | | | | |
| Q-41 (8.0-10.0') | | | 1:38 | S | 1 | 40 | x | | | | | | |

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

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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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q-41 (10.0'-12.0') | | 7/16/12 | 1:39 | S | 1 | 41 | x | | | | | | |
| Q-42 (0-2.0) | | | 2:06 | S | 1 | 42 | x | | | | | | |
| Q-42 (2.0-4.0) | | | 2:07 | S | 1 | 43 | x | | | | | | |
| Q-42 (4.0-6.0) | | | 2:08 | S | 1 | 44 | x | | | | | | |
| Q-42 (6.0-8.0) | | | 2:09 | S | 1 | 45 | x | | | | | | |
| Q-42 (8.0-10.0) | | | 2:10 | S | 1 | 46 | x | | | | | | |
| Q-43 (0-2.0) | | | 2:27 | S | 1 | 47 | x | | | | | | |
| Q-43 (2.0-4.0) | | | 2:28 | S | 1 | 48 | x | | | | | | |

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

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

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

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

| Signature/Company | Date | Time | Signature/Company | Date | Time |
|---|---|---|---|---|---|
| Relinquished by: | 7/16/12 | 3:25 | Received by: | 7/16/12 | 15:25 |
| Relinquished by: | 7/16/12 | 16:35 | Received by: | 7/16/12 | 1635 |
| Relinquished by: | | | Received by: | | |
| Relinquished by: | | | Received by: | | |
| Relinquished by: | | | Received by: | | |

Comments:

Lab Case # 07070

PAGE: 6 of 8

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0332

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

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

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

PBC - MUST CHOOSE

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

NJ EPH - C40 (5 day TAT)

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

Verbal/Fax: Std 2 wk unless otherwise specified

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

Other** (specify):

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

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

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

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

Cooler Temp <4 4°C

Sample Matrix

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

## SAMPLE INFORMATION

## ANALYTICAL PARAMETERS

## # BOTTLES & PRESERVATIVES

| Client ID | Depth (ft only) | Sampling Date | Sampling Time | Matrix | # containers | IAL # | TCL PCB (8082) | HCL | HNO3 | NaOH | H2SO4 | NaOH/ZnAc | Sterile |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q-43 (4.0-6.0') | | 7/16/12 | 2:29 | S | 1 | 49 | x | | | | | | |
| Q-43 (6.0-8.0) | | | 2:30 | S | 1 | 50 | x | | | | | | |
| Q-44 (0-2.0') | | | 2:41 | S | 1 | 51 | x | | | | | | |
| Q-44 (2.0'-4.0') | | | 2:42 | S | 1 | 52 | x | | | | | | |
| Q-44 (4.0'-6.0') | | | 2:43 | S | 1 | 53 | x | | | | | | |
| R-43 (0-2.0') | | | 3:05 | S | 1 | 54 | x | | | | | | |
| R-43 (2.0'-4.0') | | | 3:06 | S | 1 | 55 | x | | | | | | |
| R-43 (4.0'-5.0') | | | 3:08 | S | 1 | 56 | x | | | | | | |

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

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

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

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

| Signature/Company | Date | Time | Signature/Company | Date | Time |
|---|---|---|---|---|---|
| Relinquished by: | 7/16/12 | 3:25 | Received by: | 7/16/12 | 15:25 |
| Relinquished by: | 7/16/12 | 16:35 | Received by: | 7/16/12 | 1635 |
| Relinquished by: | | | Received by: | | |
| Relinquished by: | | | Received by: | | |
| Relinquished by: | | | Received by: | | |

Comments:

Lab Case # 07070

PAGE: 7 of 8

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0333

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

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

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

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

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

PRC - MUST CHOOSE

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

NJ EPH - C40 (5 day TAT)

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

Verbal/Fax: Std 2 wk unless otherwise specified

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

Other** (specify):

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

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

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

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

Cooler Temp <4 °C

Sample Matrix

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

SAMPLE INFORMATION

ANALYTICAL PARAMETERS

# BOTTLES & PRESERVATIVES

| Client ID | Depth (ft only) | Sampling Date | Sampling Time | Matrix | # containers | IAL # | TCL PCB (8082) | HCL | HNO3 | NaOH | H2SO4 | NAOH/ZNAc | Sterile |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B-43 (5.0'-6.0') | | 7/16/12 | 3:09 | S | 1 | 57 | x | | | | | | |
| B-43 (6.0'-8.0') | | ↓ | 3:10 | S | 1 | 58 | x | | | | | | |
| FB-13 | | ↓ | 3:20 | AQ | 2 | 59 | x | | | | | | |
| | | | | | | | x | | | | | | |
| | | | | | | | x | | | | | | |
| | | | | | | | x | | | | | | |
| | | | | | | | x | | | | | | |
| | | | | | | | x | | | | | | |

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

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

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

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

| | Signature/Company | Date | Time | Signature/Company | Date | Time |
|---|---|---|---|---|---|---|
| Relinquished by: | [signature] | 7/16/12 | 5:25 | Received by: [signature] | 7/16/12 | 15:25 |
| Relinquished by: | [signature] | 7/16/12 | 16:35 | Received by: [signature] | 7/16/12 | 1635 |
| Relinquished by: | | | | Received by: | | |
| Relinquished by: | | | | Received by: | | |
| Relinquished by: | | | | Received by: | | |

Comments:

Lab Case # 07070

PAGE: 8 of 8

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03334

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10/2010 rev

# PROJECT INFORMATION

E12-07070

**Case No.** E12-07070 **Project** ARSYNCO

| | | | |
|---|---|---|---|
| **Customer** | JMC Environmental Consultants | **P.O. #** | |
| **Contact** | Alton Hallgreen | **Received** | 7/16/2012 16:35 |
| **EMail** | ahallgreen@jmcenvironmental.co ☑ EMail EDDs<br>tadams@jmcenvironmental.com | **Verbal Due** | 7/30/2012 |
| **Phone** | (732) 295-2144 **Fax** 1(732) 295-2150 | **Report Due** | 8/6/2012 |

**Report To**

2109 Bridge Avenue
Building B
Point Pleasant, NJ 08742
Attn: Alton Hallgreen

**Bill To**

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

**Report Format** Reduced

**Additional Info** ☐ State Form ☐ Field Sampling ☐ Conditional VOA

| Lab ID | Client Sample ID | Depth Top / Bottom | Sampling Time | Matrix | Unit | # of Containers |
|---|---|---|---|---|---|---|
| 07070-001 | T-42 (0-2.0) | 0 / 2 | 7/16/2012@09:07 | Soil | mg/Kg | 1 |
| 07070-002 | T-42 (2.0-3.0) | 2 / 3 | 7/16/2012@09:08 | Soil | mg/Kg | 1 |
| 07070-003 | T-42 (3.0-4.0) | 3 / 4 | 7/16/2012@09:09 | Soil | mg/Kg | 1 |
| 07070-004 | T-42 (4.0-6.0) | 4 / 6 | 7/16/2012@09:10 | Soil | mg/Kg | 1 |
| 07070-005 | T-42 (6.0-8.0) | 6 / 8 | 7/16/2012@09:11 | Soil | mg/Kg | 1 |
| 07070-006 | S-43 (0-2.0) | 0 / 2 | 7/16/2012@09:35 | Soil | mg/Kg | 1 |
| 07070-007 | S-43 (2.0-4.0) | 2 / 4 | 7/16/2012@09:36 | Soil | mg/Kg | 1 |
| 07070-008 | S-43 (4.0-6.0) | 4 / 6 | 7/16/2012@09:37 | Soil | mg/Kg | 1 |
| 07070-009 | S-43 (6.0-8.0) | 6 / 8 | 7/16/2012@09:38 | Soil | mg/Kg | 1 |
| 07070-010 | S-43 (8.0-10.0) | 8 / 10 | 7/16/2012@09:39 | Soil | mg/Kg | 1 |
| 07070-011 | R-44 (0-2.0) | 0 / 2 | 7/16/2012@10:04 | Soil | mg/Kg | 1 |
| 07070-012 | R-44 (2.0-4.0) | 2 / 4 | 7/16/2012@10:05 | Soil | mg/Kg | 1 |
| 07070-013 | R-44 (4.0-6.0) | 4 / 6 | 7/16/2012@10:06 | Soil | mg/Kg | 1 |
| 07070-014 | R-46 (0-2.0) | 0 / 2 | 7/16/2012@10:25 | Soil | mg/Kg | 1 |
| 07070-015 | R-46 (2.0-4.0) | 2 / 4 | 7/16/2012@10:26 | Soil | mg/Kg | 1 |
| 07070-016 | R-46 (4.0-6.0) | 4 / 6 | 7/16/2012@10:27 | Soil | mg/Kg | 1 |
| 07070-017 | P-47 (0-2.0) | 0 / 2 | 7/16/2012@10:46 | Soil | mg/Kg | 1 |
| 07070-018 | P-47 (2.0-4.0) | 2 / 4 | 7/16/2012@10:47 | Soil | mg/Kg | 1 |
| 07070-019 | P-47 (4.0-6.0) | 4 / 6 | 7/16/2012@10:48 | Soil | mg/Kg | 1 |
| 07070-020 | O-43 (0-2.0) | 0 / 2 | 7/16/2012@11:10 | Soil | mg/Kg | 1 |
| 07070-021 | O-43 (2.0-4.0) | 2 / 4 | 7/16/2012@11:11 | Soil | mg/Kg | 1 |
| 07070-022 | O-43 (4.0-6.0) | 4 / 6 | 7/16/2012@11:12 | Soil | mg/Kg | 1 |
| 07070-023 | O-43 (6.0-8.0) | 6 / 8 | 7/16/2012@11:13 | Soil | mg/Kg | 1 |
| 07070-024 | P-42 (0-2.0) | 0 / 2 | 7/16/2012@11:35 | Soil | mg/Kg | 1 |
| 07070-025 | P-42 (2.0-4.0) | 2 / 4 | 7/16/2012@11:37 | Soil | mg/Kg | 1 |
| 07070-026 | P-42 (4.0-6.0) | 4 / 6 | 7/16/2012@11:38 | Soil | mg/Kg | 1 |
| 07070-027 | P-41 (0-2.0) | 0 / 2 | 7/16/2012@11:58 | Soil | mg/Kg | 1 |
| 07070-028 | P-41 (2.0-4.0) | 2 / 4 | 7/16/2012@11:59 | Soil | mg/Kg | 1 |
| 07070-029 | P-41 (4.0-5.0) | 4 / 5 | 7/16/2012@12:01 | Soil | mg/Kg | 1 |


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

# PROJECT INFORMATION

E12-07070

**Case No.** E12-07070 **Project** ARSYNCO

| Lab ID | Client Sample ID | Depth Top / Bottom | Sampling Time | Matrix | Unit | # of Containers |
|---|---|---|---|---|---|---|
| 07070-030 | P-41 (5.0-6.0) | 5 / 6 | 7/16/2012@12:02 | Soil | mg/Kg | 1 |
| 07070-031 | P-41 (6.0-8.0) | 6 / 8 | 7/16/2012@12:03 | Soil | mg/Kg | 1 |
| 07070-032 | Q-40 (0-2.0) | 0 / 2 | 7/16/2012@12:30 | Soil | mg/Kg | 1 |
| 07070-033 | Q-40 (2.0-4.0) | 2 / 4 | 7/16/2012@12:31 | Soil | mg/Kg | 1 |
| 07070-034 | Q-40 (4.0-6.0) | 4 / 6 | 7/16/2012@12:33 | Soil | mg/Kg | 1 |
| 07070-035 | Q-40 (6.0-8.0) | 6 / 8 | 7/16/2012@12:35 | Soil | mg/Kg | 1 |
| 07070-036 | Q-41 (0-2.0) | 0 / 2 | 7/16/2012@13:34 | Soil | mg/Kg | 1 |
| 07070-037 | Q-41 (2.0-4.0) | 2 / 4 | 7/16/2012@13:35 | Soil | mg/Kg | 1 |
| 07070-038 | Q-41 (4.0-6.0) | 4 / 6 | 7/16/2012@13:36 | Soil | mg/Kg | 1 |
| 07070-039 | Q-41 (6.0-8.0) | 6 / 8 | 7/16/2012@13:37 | Soil | mg/Kg | 1 |
| 07070-040 | Q-41 (8.0-10.0) | 8 / 10 | 7/16/2012@13:38 | Soil | mg/Kg | 1 |
| 07070-041 | Q-41 (10.0-12.0) | 10 / 12 | 7/16/2012@13:39 | Soil | mg/Kg | 1 |
| 07070-042 | Q-42 (0-2.0) | 0 / 2 | 7/16/2012@14:06 | Soil | mg/Kg | 1 |
| 07070-043 | Q-42 (2.0-4.0) | 2 / 4 | 7/16/2012@14:07 | Soil | mg/Kg | 1 |
| 07070-044 | Q-42 (4.0-6.0) | 4 / 6 | 7/16/2012@14:08 | Soil | mg/Kg | 1 |
| 07070-045 | Q-42 (6.0-8.0) | 6 / 8 | 7/16/2012@14:09 | Soil | mg/Kg | 1 |
| 07070-046 | Q-42 (8.0-10.0) | 8 / 10 | 7/16/2012@14:10 | Soil | mg/Kg | 1 |
| 07070-047 | Q-43 (0-2.0) | 0 / 2 | 7/16/2012@14:27 | Soil | mg/Kg | 1 |
| 07070-048 | Q-43 (2.0-4.0) | 2 / 4 | 7/16/2012@14:28 | Soil | mg/Kg | 1 |
| 07070-049 | Q-43 (4.0-6.0) | 4 / 6 | 7/16/2012@14:29 | Soil | mg/Kg | 1 |
| 07070-050 | Q-43 (6.0-8.0) | 6 / 8 | 7/16/2012@14:30 | Soil | mg/Kg | 1 |
| 07070-051 | Q-44 (0-2.0) | 0 / 2 | 7/16/2012@14:41 | Soil | mg/Kg | 1 |
| 07070-052 | Q-44 (2.0-4.0) | 2 / 4 | 7/16/2012@14:42 | Soil | mg/Kg | 1 |
| 07070-053 | Q-44 (4.0-6.0) | 4 / 6 | 7/16/2012@14:43 | Soil | mg/Kg | 1 |
| 07070-054 | R-43 (0-2.0) | 0 / 2 | 7/16/2012@15:05 | Soil | mg/Kg | 1 |
| 07070-055 | R-43 (2.0-4.0) | 2 / 4 | 7/16/2012@15:06 | Soil | mg/Kg | 1 |
| 07070-056 | R-43 (4.0-5.0) | 4 / 5 | 7/16/2012@15:08 | Soil | mg/Kg | 1 |
| 07070-057 | R-43 (5.0-6.0) | 5 / 6 | 7/16/2012@15:09 | Soil | mg/Kg | 1 |
| 07070-058 | R-43 (6.0-8.0) | 6 / 8 | 7/16/2012@15:10 | Soil | mg/Kg | 1 |
| 07070-059 | FB-13 | n/a | 7/16/2012@15:20 | Aqueous | mg/L | 2 |

| Sample # | Tests | Status | QA Method |
|---|---|---|---|
| 001 | TCL PCB | Run | 8082 |
| 002 | TCL PCB | Run | 8082 |
| 003 | TCL PCB | Run | 8082 |
| 004 | TCL PCB | Run | 8082 |
| 005 | TCL PCB | Run | 8082 |
| 006 | TCL PCB | Run | 8082 |
| 007 | TCL PCB | Run | 8082 |
| 008 | TCL PCB | Run | 8082 |
| 009 | TCL PCB | Run | 8082 |
| 010 | TCL PCB | Run | 8082 |
| 011 | TCL PCB | Run | 8082 |
| 012 | TCL PCB | Run | 8082 |
| 013 | TCL PCB | Run | 8082 |


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

# PROJECT INFORMATION

E12-07070

**Case No.** E12-07070 **Project** ARSYNCO

| Sample # | Tests | Status | QA Method |
|---|---|---|---|
| 014 | TCL PCB | Run | 8082 |
| 015 | TCL PCB | Run | 8082 |
| 016 | TCL PCB | Run | 8082 |
| 017 | TCL PCB | Run | 8082 |
| 018 | TCL PCB | Run | 8082 |
| 019 | TCL PCB | Run | 8082 |
| 020 | TCL PCB | Run | 8082 |
| 021 | TCL PCB | Run | 8082 |
| 022 | TCL PCB | Run | 8082 |
| 023 | TCL PCB | Run | 8082 |
| 024 | TCL PCB | Run | 8082 |
| 025 | TCL PCB | Run | 8082 |
| 026 | TCL PCB | Run | 8082 |
| 027 | TCL PCB | Run | 8082 |
| 028 | TCL PCB | Run | 8082 |
| 029 | TCL PCB | Run | 8082 |
| 030 | TCL PCB | Run | 8082 |
| 031 | TCL PCB | Run | 8082 |
| 032 | TCL PCB | Run | 8082 |
| 033 | TCL PCB | Run | 8082 |
| 034 | TCL PCB | Run | 8082 |
| 035 | TCL PCB | Run | 8082 |
| 036 | TCL PCB | Run | 8082 |
| 037 | TCL PCB | Run | 8082 |
| 038 | TCL PCB | Run | 8082 |
| 039 | TCL PCB | Run | 8082 |
| 040 | TCL PCB | Run | 8082 |
| 041 | TCL PCB | Run | 8082 |
| 042 | TCL PCB | Run | 8082 |
| 043 | TCL PCB | Run | 8082 |
| 044 | TCL PCB | Run | 8082 |
| 045 | TCL PCB | Run | 8082 |
| 046 | TCL PCB | Run | 8082 |
| 047 | TCL PCB | Run | 8082 |
| 048 | TCL PCB | Run | 8082 |
| 049 | TCL PCB | Run | 8082 |
| 050 | TCL PCB | Run | 8082 |
| 051 | TCL PCB | Run | 8082 |
| 052 | TCL PCB | Run | 8082 |
| 053 | TCL PCB | Run | 8082 |
| 054 | TCL PCB | Run | 8082 |
| 055 | TCL PCB | Run | 8082 |
| 056 | TCL PCB | Run | 8082 |
| 057 | TCL PCB | Run | 8082 |
| 058 | TCL PCB | Run | 8082 |
| 059 | TCL PCB | Run | 8082 |


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

# INTEGRATED ANALYTICAL LABORATORIES, LLC

## SAMPLE RECEIPT VERIFICATION

CASE NO: **E 12** **07070** CLIENT: JMC

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

**Comments**

COC: (COMPLETE) / INCOMPLETE

**KEY**

✓ = YES/NA
✗ = NO

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

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

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

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [signature] DATE 7/16/12

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

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

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

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL KJ DATE 7/17/12



REV 03/2009

# Laboratory Custody Chronicle

**IAL Case No.**
**E12-07070**

**Client** JMC Environmental Consultants

**Project** ARSYNCO

**Received On** 7/16/2012@16:35

**Department: GC**

| | | | Prep. Date | Analyst | Analysis Date | Analyst |
|---|---|---|---|---|---|---|
| TCL PCB | 07070-001 | Soil | 7/23/12 | Archimede | 7/25/12 | Julia |
| " | -002 | " | 7/23/12 | Archimede | 7/26/12 | Julia |
| " | -003 | " | 7/23/12 | Archimede | 7/25/12 | Julia |
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*Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288*

# *Laboratory Custody Chronicle*

***IAL Case No.***

**E12-07070**

***Client*** JMC Environmental Consultants

***Project*** ARSYNCO

***Received On*** 7/16/2012@16:35

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| " | -057 | " | 7/24/12 | Archimede | 7/28/12 | Julia |
| " | -058 | " | 7/24/12 | Archimede | 7/27/12 | Julia |
| " | -059 | Aqueous | 7/19/12 | Archimede | 7/24/12 | Julia |