



PCBs IN SURFACE SOILS REPORT

NYSDEC SPILL FILE NUMBER 13-00433

Woodbine Business Park
Canada Drive
Town of Dewitt, New York

September 15, 2015

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Figure 1: Sample Location Plan

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Table 1: Surface Soil and Soil Pile Sampling Results

ATTACHMENTS

Attachment A: Laboratory Analysis Reports – Soil Pile Sampling
Attachment B: Laboratory Analysis Reports – Surface Soil Sampling
Attachment C: Laboratory Analysis Reports – Soil Sampling at Depth

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1.0 INTRODUCTION

The Asbestos & Environmental Consulting Corporation (AECC) performed an investigation of polychlorinated biphenyls (PCBs) in surface soils at the vacant lots of the Woodbine Business Park (hereafter referenced as “WBP, or “Site”). The Site is located along Canada Drive, Loucks Road Extension, and Collamer Road (NYS Route 298) in the Town of Dewitt, New York.

1.1 PURPOSE

The purpose of the investigation was to evaluate the extent of PCB impacted shallow soils, which had been previously identified in topsoil that potentially originated at the Site (see Project History, below).

1.2 PROJECT HISTORY

A Phase I Environmental Site Assessment (ESA) was commissioned by Woodbine Business Park, Inc. (Woodbine) prior to development of the Site (limited to infrastructure improvements). The ESA report was completed by Beardsley Design Associates in October 2009. The ESA report stated that the prior uses of the Site were limited to agriculture (field crops) with a small sand quarry along Collamer Road. The report did not identify Recognized Environmental Conditions (RECs) originating at the Site (potential arsenic impacts originating from the adjacent cemetery were noted).

In early 2013, Woodbine was informed that PCBs were allegedly detected in surface soil samples collected at the location of a former topsoil pile on the Site (Soil Pile #1) that was created during site development activities. The samples were collected by Certified Environmental Services, Inc. (CES), on behalf of RH Law, Inc. (“RH Law”) in November 2012 without the prior knowledge or consent of Woodbine. Laboratory analysis of the four composite surface soil samples collected by CES revealed Aroclor-1248 concentrations ranging from 78 to 199 ppm (parts-per-million). No other Aroclors were detected.

The following section (Section 2 – Soil Sampling Events) details the subsequent sampling that has occurred at the Site in an effort to determine the extent of PCB contamination and locate the potential source of the contamination.

1.3 SITE CHARACTERISTICS

The Site is mostly flat and thickly vegetated by numerous weed and shrub species ranging two to eight feet in height depending on plant species and season. There are some areas (primarily to the east and south) that are forested with trees ranging from approximately one inch to one foot in trunk diameter. Soil moisture was observed to fluctuate depending upon time of year and location across the Site; however, the discrete reedy areas and the hardwood forest in the eastern portion of the Site were consistently moist. The soil tended to be a tan sandy loam, with some areas of darker coloration in and adjacent to the forested areas.

2.0 SOIL SAMPLING EVENTS AND RESULTS

All sample locations are shown on the Sample Location Plan (Figure 1).

Table 1 summarizes the results of all surface soil sampling performed by AECC at the Site from April 2013 to December 2014. Soil sample analysis results were compared to the applicable Soil Cleanup Objectives (SCOs) referenced in NYSDEC Commissioner’s Policy #51 (CP-51), and / or 6 NYCRR Part 375 (Part 375).

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The complete laboratory analysis reports are presented as Attachments A, B, and C.

2.1 METHODOLOGY

Sampling typically followed the following protocol:

Due to extensive vegetative growth and size of the site, AECC utilized GPS technology to locate sampling points in the field. First, AECC uploaded sample location coordinates from the planned sample grid (in AutoCAD format) into a handheld GPS device (Trimble Geo6000XH). AECC then used the GPS device to locate the uploaded sample location coordinates in the field.

The samples were collected at 6 to 8 inches below grade. AECC first broke the surface adjacent to each sampling location using a long-handled digging shovel, and then pried to lift / loosen the soil from beneath the sample location. Disposable plastic trowels were then used to collect the soil sample, which was immediately placed in a laboratory-provided glass jar.

All samples were placed in coolers and transported under proper chain-of-custody to Spectrum Analytical, Inc., an ELAP and NVLAP certified laboratory, for analysis of PCBs via USEPA SW-846 Method 8082 (PCB Aroclors). Duplicate samples were collected at a rate of one duplicate for every 20 samples, and were submitted to Life Science Laboratories, Inc. under separate chain-of-custody.

At the end of each sampling event, trowels, gloves, over-boots, and other waste materials were placed in a sealable, steel 55-gallon drum on-Site.

2.2 SAMPLING OF FORMER SOIL PILE LOCATION – APRIL 2013

In accordance with a Work Plan submitted to the New York State Department of Environmental Conservation (NYSDEC), AECC conducted soil sampling in an attempt to confirm the initial CES results.

On April 8, 2013, AECC personnel collected a total of twelve (12) “confirmatory” surface grab soil samples 6-8 inches below ground surface (bgs), approximately one foot from the CES locations (observed as open shallow holes). These twelve (12) grab samples, were combined into four (4) composite samples (samples CS-1 thru CS-4) to duplicate the prior work done by CES.

The PCB Aroclor-1248 was detected in all four of the samples collected, and ranged in concentration from 6.32 to 34.4 ppm. No other Aroclors were detected.

Upon receipt of the laboratory results, AECC called the New York State Spill Hotline on behalf of Woodbine, and Spill File Number 13-00433 was assigned.

2.3 SOIL PILE SAMPLING – MAY 2013

Two soil piles that were created during site development activities currently exist at the Site: a large soil pile located along Loucks Road Extension (Soil Pile #2), and a small soil pile located southeast of the Canada Drive cul-de-sac (Soil Pile #3). Note: Soil Pile #1 had already been removed from the Site, and deposited at the RH Law facility.

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On May 31, 2013, AECC personnel collected 10 grab soil samples (SP2-01 through SP2-10) from Soil Pile #2, and 6 grab soil samples (SP3-01 through SP3-06) from Soil Pile #3. All soil samples were collected from approximately 12-18 inches below the soil pile surface.

Aroclor-1248 was detected in nine of the ten samples collected from Soil Pile #2. The detected concentrations ranged from 0.0802 ppm in sample SP2-03 to 25.673 ppm in sample SP2-08.

The highest concentration of Aroclor-1248 was detected in sample SP2-08, where the concentration of Aroclor-1248 was 24.70 ppm. In addition, Aroclor-1260 was detected in six of the ten samples collected from Soil Pile #2. The highest concentration of Aroclor-1260 was also detected in sample SP2-08, where the concentration of Aroclor-1260 was 0.973 ppm.

PCBs were detected in one of the six samples collected from Soil Pile #3. Sample SP3-03 had a total PCB concentration of 0.046 ppm (Aroclor-1248 only), which is less than the Unrestricted SCO value of 0.1 ppm for total PCBs.

2.4 RETENTION POND BERM SAMPLING – MAY 2013

Woodbine informed AECC that some of the stockpiled soil originated from the area around the existing retention pond on the eastern portion of the site. As a result, AECC personnel collected 4 grab soil samples (Pond-01 through Pond-04) from the berm surrounding the retention pond at the northeast corner of the Site on May 31, 2013. No PCBs were detected in any of the samples collected from the berms.

2.5 ‘DEVELOPMENT PARCEL’ SAMPLING – JULY 2013

On July 17, 2013, AECC personnel collected 36 grab soil samples (SS-1 through SS-36). Since neither the EPA nor DEC had an applicable guidance for sampling frequency on large parcels, AECC followed the sampling frequency guidelines in the “Guidance for Evaluation Residual Pesticides on Lands Formerly Used for Agricultural Production” published by the Oregon Department of Environmental Quality, the exceptions being that none of the samples were composited and no subsurface samples (2-3 feet below grade) were collected. The sampling locations are displayed on the attached Sample Location Plan (Figure 1).

Of the 36 soil samples collected, three contained detectable concentrations. Samples SS-02, SS-11, and SS-30 had concentrations of 0.0254 ppm, 0.0475 ppm, and 0.0742 ppm, respectively (only Aroclor-1254). The detected concentrations are below the Unrestricted SCO value of 0.1 ppm for total PCBs.

2.6 ADDITIONAL DEVELOPMENT PARCEL SAMPLING – OCTOBER AND DECEMBER 2014

AECC personnel collected an additional 30 grab soil samples on October 7, 2014 (SS-37 through SS-66). The samples were collected using the same grid pattern as used in the initial development parcel sampling event, extended to the west and south. In addition, four grab soil samples (ROAD-1 through ROAD-4) were collected from soils adjacent to Collamer Road and Loucks Road Extension, and submitted to the laboratory under separate chain-of-custody.

PCBs were detected in 26 of the 34 samples, including all four of the ‘ROAD’ samples. Concentrations of detected PCBs ranged from below the Unrestricted SCO to 104.38 ppm in sample SS-37. A mixture of Aroclor-1248, Aroclor-1254, and Aroclor-1260 contributed to the total PCB concentrations.

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AECC collected an additional 12 samples on October 29, 2014 (identified as SS-67 thru SS-78). These sampling points were selected to further delineate the location of elevated PCB contamination revealed during prior sampling events. Of the 12 samples collected, 6 contained detectable concentrations of Aroclor-1248, Aroclor-1254, and / or Aroclor-1260. Sample SS-67 contained the highest detected concentration of total PCBs with 121.07 ppm PCBs. The other five samples in which PCBs were detected contained less than 5.6 ppm PCBs.

On December 2, 2014, AECC personnel performed an additional round of confirmatory / delineation sampling by collecting 19 samples (identified as SS-79 thru SS-97). Of the 19 samples collected, 17 contained detectable concentrations of Aroclor-1248, Aroclor-1254, and / or Aroclor-1260. Sample SS-83 contained the highest detected concentration of total PCBs with 4,404 ppm PCBs. Sample SS-82 contained the next-highest detected concentration of total PCBs with 367.7 ppm, and sample SS-86 contained 77.82 ppm PCBs. The other twelve samples in which PCBs were detected contained less than 14.4 ppm PCBs.

AECC personnel performed one final round of confirmatory / delineation sampling on December 15, 2014, by collecting an additional 9 samples (identified as SS-98 thru SS-106), as well as 8 samples from depth at specific, previously sampled, locations. Samples from depth were collected from the original sampling area (confirmatory sample CS-1, formerly beneath Soil Pile #1), from the area of greatest detected PCB concentration (surface samples SS-53 and SS-83), and from the edge of the greatest concentration of contamination (surface sample SS-87).

Aroclor-1248 and Aroclor-1254 were detected in 6 of the 9 new sampling locations, with the largest concentration detected in SS-99, totaling 96.7 ppm PCBs. All other locations from this round of sampling contained a concentration of less than 0.13 ppm PCBs.

Aroclor-1248, Aroclor-1254, and / or Aroclor-1260 were detected in all 8 soil samples collected from depth. In general, total PCB concentrations trended downward as depth of the sample collection point increased, although SS-83 did not exactly follow this trend. Sample SS-83 (surface) had a concentration of 4,404 ppm total PCBs, while the 1.5' bgs sample had a concentration of 66.6 ppm and the 2.5' bgs sample had a concentration of 297 ppm.

2.7 CONFIRMATORY DEVELOPMENT PARCEL SAMPLING – OCTOBER 2014

On October 9, 2014, AECC personnel collected 11 confirmatory samples around the previously sampled locations SS-02, SS-11, and SS-30 to determine if the original "hits" were anomalies in the otherwise "clean" eastern portion of the Site, or if they were part of larger areas of contamination. The sampling plan consisted of the collection of four grab samples around each original sample location (except that only three samples were collected in the vicinity of SS-02, due to the proximity of Soil Pile #3). The confirmatory samples were located at the cardinal directions 20 feet from the original sample locations.

Of the three samples collected around SS-02, one detected no PCBs, one detected a mixture of Aroclor-1248 and Aroclor-1254 totaling 0.0788 ppm PCBs (below the Unrestricted SCO), and one contained a total concentration of PCBs of 2.39 ppm (Aroclor-1248, Aroclor-1254, and Aroclor-1260 all contributed to this total), which is above the Unrestricted SCO for total PCBs and is greater than the concentration of PCBs originally detected in sample SS-02.

PCBs were not detected in any of the four samples collected around SS-11.

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Aroclor-1254 (only) was detected in two of the four samples collected around SS-30 at concentrations below the Unrestricted SCO (0.0175 and 0.0183 ppm).

2.8 CONFIRMATORY 'SOIL PILE 3' SAMPLING – DECEMBER 2014

On December 29, 2014, AECC personnel collected 2 composite samples (SP3-07 and SP3-08) from the previously-sampled Soil Pile #3 near the cul-de-sac. The sampling frequency was performed in accordance with the NYSDEC Commissioner's Policy (CP-51) sampling guidelines for stockpiled soils. No PCBs were detected in either of the composite samples.

3.0 CONCLUSIONS

The source of the PCB contamination is still unknown.

The following trends were noted after tabulating and mapping the results of the sampling events:

- The eastern and southern portions of the Site are relatively free of PCB contamination. The few "hits" tended to contain only Aroclor-1254.
- The limited sampling conducted in the northern portion of the site did not suggest that this area is a concern for extensive PCB contamination. Laboratory analysis revealed that only one of the eight samples collected in this area contained PCBs, and that concentration was below the Unrestricted SCO.
- In the western portion of the Site, the heaviest contamination appears to extend out in an approximate 125-foot radius, centered around sampling locations SS-82 and SS-83, which also happen to be the samples with the highest recorded PCB concentrations. Typically, Aroclor-1248, Aroclor-1254, and Aroclor-1260 were detected in these samples.
- The samples collected in the vicinity of Loucks Road Extension and Canada Drive show elevated PCB concentrations. Typically, Aroclor-1248, Aroclor-1254, and Aroclor-1260 were detected in these samples.

If you should have any questions regarding the information presented in this report, please feel free to contact our office at your convenience.

Sincerely,
Asbestos & Environmental Consulting Corporation



Richard D. McKenna
Project Manager

FIGURE 1

SAMPLE LOCATION PLAN

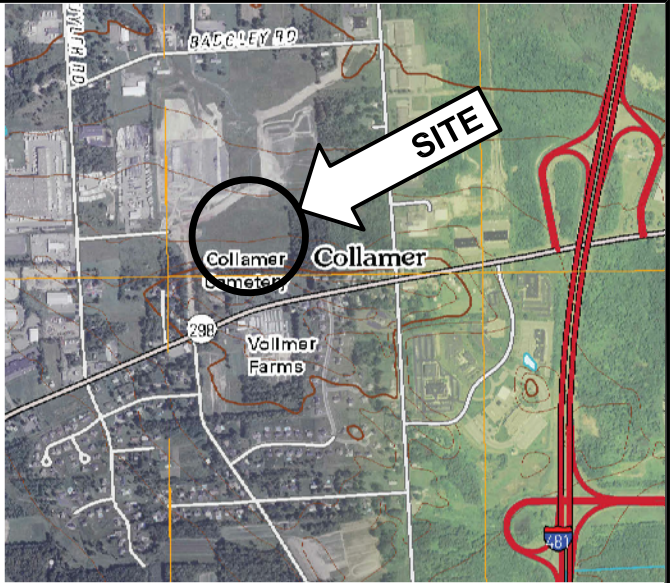
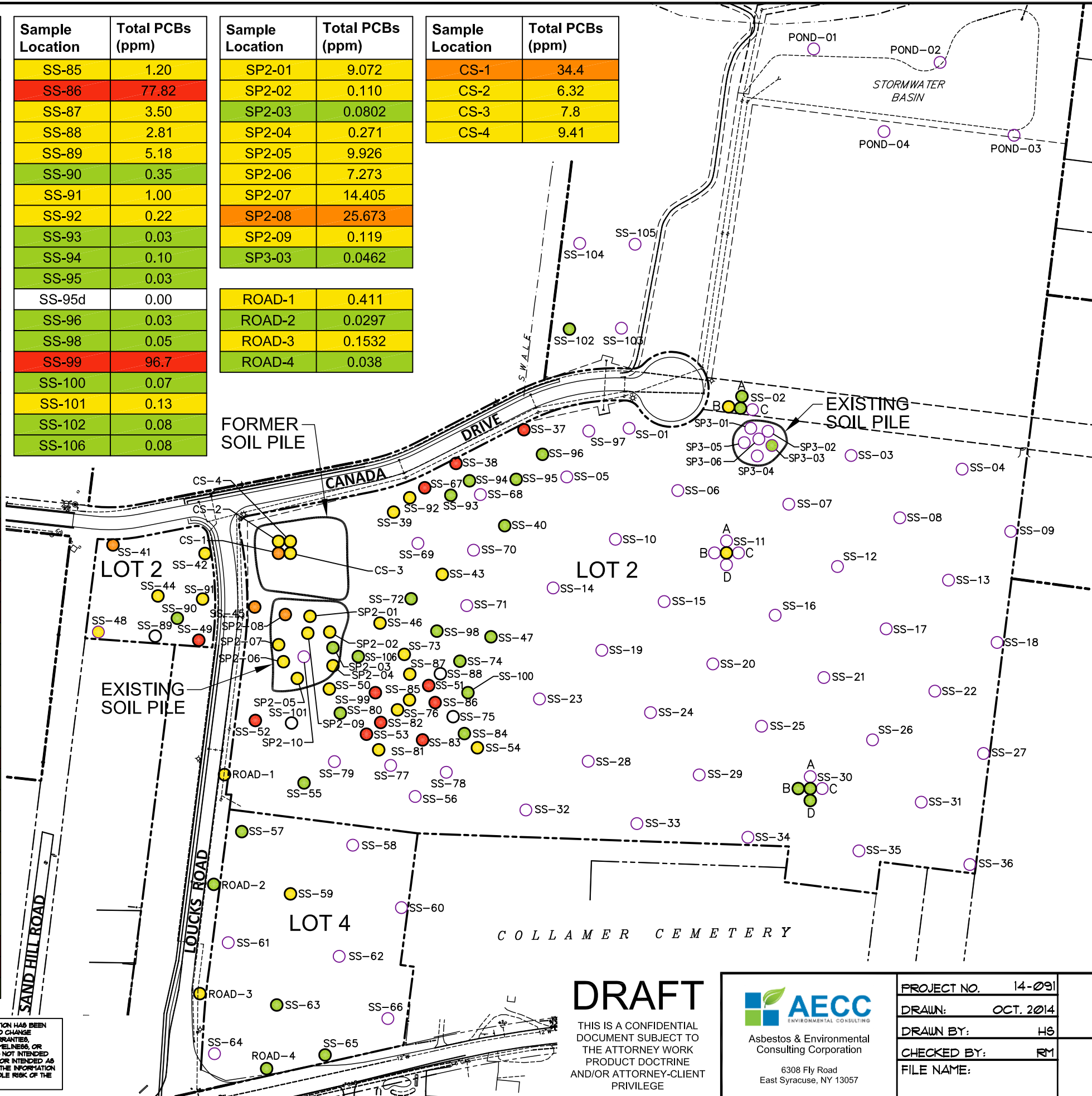
Sample Location	Total PCBs (ppm)
SS-02	0.03
SS-02A	0.08
SS-02Ad	0.046
SS-02B	2.39
SS-11	0.05
SS-11d	0.26
SS-30	0.07
SS-30d	0.06
SS-30B	0.02
SS-30D	0.02
SS-37	104.38
SS-38	87.43
SS-39	0.77
SS-40	0.04
SS-40d	0.00
SS-41	38.53
SS-42	15.48
SS-43	0.27
SS-44	0.19
SS-45	37.12
SS-46	0.59
SS-47	0.02
SS-49	90.51
SS-50	0.19
SS-51	137.94
SS-52	66.52
SS-53	197.84
SS-54	0.13
SS-55	0.04
SS-57	0.03
SS-59	1.68
SS-63	0.09
SS-65	0.07
SS-67	121.07
SS-72	0.05
SS-73	0.57
SS-74	0.02
SS-75	1.37
SS-75d	6.90
SS-76	5.52
SS-80	0.18
SS-81	14.32
SS-82	367.7
SS-83	4,404
SS-84	0.27

Sample Location	Total PCBs (ppm)
SS-85	1.20
SS-86	77.82
SS-87	3.50
SS-88	2.81
SS-89	5.18
SS-90	0.35
SS-91	1.00
SS-92	0.22
SS-93	0.03
SS-94	0.10
SS-95	0.03
SS-95d	0.00
SS-96	0.03
SS-98	0.05
SS-99	96.7
SS-100	0.07
SS-101	0.13
SS-102	0.08
SS-106	0.08

Sample Location	Total PCBs (ppm)
SP2-01	9.072
SP2-02	0.110
SP2-03	0.0802
SP2-04	0.271
SP2-05	9.926
SP2-06	7.273
SP2-07	14.405
SP2-08	25.673
SP2-09	0.119
SP3-03	0.0462

Sample Location	Total PCBs (ppm)
ROAD-1	0.411
ROAD-2	0.0297
ROAD-3	0.1532
ROAD-4	0.038

Sample Location	Total PCBs (ppm)
CS-1	34.4
CS-2	6.32
CS-3	7.8
CS-4	9.41



SITE LOCATION

LEGEND:

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- RIGHT-OF-WAY
- SURFACE SOIL SAMPLE LOCATION

NOTES:

- BASE MAP MODIFIED FROM ELECTRONIC DRAWING FILES PROVIDED BY CLIENT.
- PCB CONCENTRATION EXCEEDS 50 ppm (HAZARDOUS)
 - PCB CONCENTRATION BETWEEN 25 AND 50 ppm (ABOVE INDUSTRIAL USE SCO BUT LESS THAN THE HAZARDOUS WASTE CHARACTERIZATION LIMIT)
 - PCB CONCENTRATION BETWEEN 0.1 AND 25 ppm (ABOVE UNRESTRICTED USE SCO BUT BELOW THE INDUSTRIAL USE SCO)
 - PCB CONCENTRATION LESS THAN 0.1 ppm (BELOW UNRESTRICTED USE SCO)
 - NO PCBs DETECTED



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PROJECT NO.	14-091
DRAWN:	OCT. 2014
DRAWN BY:	HS
CHECKED BY:	RM
FILE NAME:	

SAMPLE LOCATION PLAN

WOODBINE BUSINESS PARK
CANADA DRIVE, TOWN OF DEWITT
ONONDAGA COUNTY, NEW YORK

FIGURE

1

TABLE 1

SURFACE SOIL AND SOIL PILE SAMPLING RESULTS

Soil Piles	PCB Aroclor	CAS Number	CS-1	CS-2	CS-3	CS-4	SP2-01	SP2-02	SP2-03	SP2-04	SP2-05	SP2-06	SP2-07	SP2-08	SP2-09	SP2-10	SP3-01	SP3-02	SP3-03	SP3-04	SP3-05	SP3-06	SP3-07*	SP3-08*
			4/8/2013	4/8/2013	4/8/2013	4/8/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	12/29/2014	12/29/2014
	Aroclor-1248	12672-29-6	34.4	6.32	7.8	9.41	8.78	0.11	0.0648	0.271	9.64	7.08	13.9	24.7	0.119	BRL	BRL	BRL	0.0462	BRL	BRL	BRL	BRL	BRL
	Aroclor-1254	11097-69-1	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
	Aroclor-1260	11096-82-5	BRL	BRL	BRL	BRL	0.292	BRL	0.0154	BRL	0.286	0.193	0.505	0.973	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
	Total PCBs		34.4	6.32	7.8	9.41	9.072	0.11	0.0802	0.271	9.926	7.273	14.405	25.673	0.119	0	0	0	0.0462	0	0	0	0	0

Surface Soil Samples	PCB Aroclor	CAS Number	SS-01	SS-02	SS-02A	SS-02Ad	SS-02B	SS-02C	SS-03	SS-04	SS-05	SS-06	SS-07	SS-07d	SS-08	SS-09	SS-10	SS-11	SS-11d	SS-11A	SS-11B	SS-11C	SS-11D	SS-12
			7/13/2013	7/13/2013	10/9/2014	10/9/2014	10/9/2014	10/9/2014	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	10/9/2014	10/9/2014	10/9/2014	10/9/2014	7/13/2013
	Aroclor-1248	12672-29-6	BRL	BRL	0.024	BRL	1.2	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
	Aroclor-1254	11097-69-1	BRL	0.0254	0.0548	0.046	1.1	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.0465	0.12	BRL	BRL	BRL	BRL	BRL
	Aroclor-1260	11096-82-5	BRL	BRL	BRL	BRL	0.0871	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.14	BRL	BRL	BRL	BRL	BRL
	Total PCBs		0	0.0254	0.0788	0.046	2.3871	0	0	0	0	0	0	0	0	0	0	0.0465	0.26	0	0	0	0	0
	PCB Aroclor	CAS Number	SS-13	SS-14	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21	SS-22	SS-23	SS-23d	SS-24	SS-25	SS-26	SS-27	SS-28	SS-29	SS-30	SS-30d	SS-30A	SS-30B
			7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	10/9/2014	10/9/2014
	Aroclor-1248	12672-29-6	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
	Aroclor-1254	11097-69-1	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.0742	0.064	BRL	0.0183
	Aroclor-1260	11096-82-5	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
	Total PCBs		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0742	0.064	0	0.0183
	PCB Aroclor	CAS Number	SS-30C	SS-30D	SS-31	SS-32	SS-33	SS-34	SS-35	SS-36	SS-37	SS-38	SS-39	SS-40	SS-40d	SS-41	SS-42	SS-43	SS-44	SS-45	SS-46	SS-47	SS-48	SS-49
			10/9/2014	10/9/2014	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	7/13/2013	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014
	Aroclor-1248	12672-29-6	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	54.3	44.8	0.207	BRL	BRL	19.7	7.46	0.112	0.0451	17.3	0.194	BRL	BRL	32.3
	Aroclor-1254	11097-69-1	BRL	0.0175	BRL	BRL	BRL	BRL	BRL	BRL	46	39.3	0.487	0.0353	BRL	17.4	7.4	0.117	0.123	18.3	0.333	0.0204	BRL	53.1
	Aroclor-1260	11096-82-5	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	4.08	3.33	0.0771	BRL	BRL	1.43	0.616	0.0456	0.0263	1.52	0.0603	BRL	BRL	5.11
	Total PCBs		0	0.0175	0	0	0	0	0	0	104.38	87.43	0.7711	0.0353	0	38.53	15.476	0.2746	0.1944	37.12	0.5873	0.0204	0	90.51
	PCB Aroclor	CAS Number	SS-50	SS-51	SS-52	SS-53	SS-54	SS-55	SS-56	SS-57	SS-58	SS-59	SS-60	SS-60d	SS-61	SS-62	SS-63	SS-64	SS-65	SS-66	SS-67	SS-68	SS-69	SS-70
			10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/29/2014	10/29/2014	10/29/2014	10/29/2014
	Aroclor-1248	12672-29-6	0.0695	78	25.3	98.1	0.0557	0.0373	BRL	BRL	BRL	0.619	BRL	BRL	BRL	BRL	0.0282	BRL	BRL	BRL	61.3	BRL	BRL	BRL
	Aroclor-1254	11097-69-1	0.0947	54.5	37.5	93.1	0.0792	BRL	BRL	0.0258	BRL	0.974	BRL	BRL	BRL	BRL	0.0655	BRL	0.0746	BRL	56.4	BRL	BRL	BRL
	Aroclor-1260	11096-82-5	0.0276	5.44	3.72	6.64	BRL	BRL	BRL	BRL	BRL	0.0875	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	3.37	BRL	BRL	BRL
	Total PCBs		0.1918	137.94	66.52	197.84	0.1349	0.0373	0	0.0258	0	1.6805	0	0	0	0	0.0937	0	0.0746	0	121.07	0	0	0
	PCB Aroclor	CAS Number	SS-71	SS-72	SS-73	SS-74	SS-75	SS-75d	SS-76	SS-77	SS-78	SS-79	SS-80	SS-81	SS-82	SS-83	SS-84	SS-85	SS-86	SS-87	SS-88	SS-89	SS-90	SS-91
			10/29/2014	10/29/2014	10/29/2014	10/29/2014	10/29/2014	10/29/2014	10/29/2014	10/29/2014	10/29/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014
	Aroclor-1248	12672-29-6	BRL	BRL	BRL	BRL	BRL	6.9	2.69	BRL	BRL	BRL	0.0798	BRL	184	2440	0.271	BRL	42	BRL	BRL	2.43	0.11	BRL
	Aroclor-1254	11097-69-1	BRL	0.0302	0.516	0.0179	1.28	BRL	2.63	BRL	BRL	BRL	0.102	13.5	172	1840	BRL	1.11	33.1	3.29	2.66	2.56	0.207	0.907
	Aroclor-1260	11096-82-5	BRL	0.0168	0.0518	BRL	0.0883	BRL	0.203	BRL	BRL	BRL	BRL	0.818	11.7	124	BRL	0.0943	2.72	0.207	0.147	0.185	0.0318	0.0952
	Total PCBs		0	0.047	0.5678	0.0179	1.3683	6.9	5.523	0	0	0	0.1818	14.318	367.7	4404	0.271	1.2043	77.82	3.497	2.807	5.175	0.3488	1.0022
	PCB Aroclor	CAS Number	SS-92	SS-93	SS-94	SS-95	SS-95d	SS-96	SS-97	SS-98	SS-99	SS-100	SS-101	SS-102	SS-103	SS-104	SS-105	SS-105d	SS-106	Pond-01	Pond-02	Pond-03	Pond-04	Road 1
			12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014	5/31/2013	5/31/2013	5/31/2013	5/31/2013	10/7/2014
	Aroclor-1248	12672-29-6	0.116	BRL	0.0324	BRL	BRL	BRL	BRL	0.0254	49.1	0.0365	0.0611	0.0489	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.164
	Aroclor-1254	11097-69-1	0.101	0.0266	0.0661	BRL	BRL	0.0309	BRL	0.0224	47.6	0.0321	0.0647	0.0279	BRL	BRL	BRL	BRL	0.0763	BRL	BRL	BRL	BRL	0.217
	Aroclor-1260	11096-82-5	BRL	BRL	BRL	0.0276	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.03
	Total PCBs		0.217	0.0266	0.0985	0.0276	0	0.0309	0	0.0478	96.7	0.0686	0.1258	0.0768	0	0	0	0	0.0763	0	0	0	0	0.411
	PCB Aroclor	CAS Number	Road 2	Road 3	Road 4																			
			10/7/2014	10/7/2014	10/7/2014																			
	Aroclor-1248	12672-29-6	BRL	0.0537	BRL																			
	Aroclor-1254	11097-69-1	0.0297	0.0995	0.038																			
	Aroclor-1260	11096-82-5	BRL	BRL	BRL																			
	Total PCBs		0.0297	0.1532	0.038																			

At Depth	PCB Aroclor	CAS Number	CS-1 (1.5')	CS-1 (2.5')	SS-53 (1.5')	SS-53 (2.5')	SS-83 (1.5')	SS-83 (2.5')	SS-87 (1.5')	SS-87 (2.5')
			12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014	12/15/2014
	Aroclor-1248	12672-29-6	0.941	0.172	7.79	3.21	38.9	177	2.68	0.106
	Aroclor-1254	11097-69-1	0.657	0.129	5.52	2.85	27.7	120	2.07	0.067
	Aroclor-1260	11096-82-5	0.0546	BRL	BRL	BRL	BRL	BRL	0.13	BRL
	Total PCBs		1.6526	0.301	13.31	6.06	66.6	297	4.88	0.173

All concentrations in milligrams per kilogram (mg/kg or approximate parts per million - ppm)

BRL - Below Reportable/Detectable Limit

* - Composite Sample

The following PCB Aroclors were not found above the detection limit in any of the above samples: Aroclor-1016, -1221, -1232, -1242, -1262, -1268

Total PCB Concentration less than 0.1 ppm (Below Unrestricted Use SCO per 6 NYCRR 375, Table 375-6.8(a))

Total PCB Concentration between 0.1 and 25 ppm (Above Unrestricted SCO but below the Industrial SCO, per 6 NYCRR 375, Table 375-6.8(a))

Total PCB Concentration between 25 and 50 ppm (Above Industrial Use SCO but less than the Hazardous Waste Characterization (Toxicity) limit)

Total PCB Concentration exceeds 50 ppm (Hazardous Waste Characterization (Toxicity) limit)

ATTACHMENT A

LABORATORY ANALYSIS REPORTS - SOIL PILE SAMPLING

Report Date:
11-Apr-13 15:00



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

AECC Environmental Consulting
6308 Fly Road
East Syracuse, NY 13057
Attn: Rico McKenna

Project: WBP - East Syracuse, NY
Project #: 13-067

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SB67363-01	CS-1	Soil	08-Apr-13 15:40	09-Apr-13 21:00
SB67363-02	CS-2	Soil	08-Apr-13 15:45	09-Apr-13 21:00
SB67363-03	CS-3	Soil	08-Apr-13 15:50	09-Apr-13 21:00
SB67363-04	CS-4	Soil	08-Apr-13 15:55	09-Apr-13 21:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 10 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 13.5 degrees Celsius. The condition of these samples was further noted as received on ice. The samples were transported on ice to the laboratory facility and the temperature was recorded at 1.3 degrees Celsius upon receipt at the laboratory. Please refer to the Chain of Custody for details specific to sample receipt times.

An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Spikes:

1307976-MS1 *Source: SB67363-01*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Aroclor-1016
Aroclor-1016 [2C]
Aroclor-1260
Aroclor-1260 [2C]

1307976-MSD1 *Source: SB67363-01*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Aroclor-1016
Aroclor-1016 [2C]
Aroclor-1260
Aroclor-1260 [2C]

Duplicates:

1307976-DUP1 *Source: SB67363-01*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

Samples:

SB67363-01 *CS-I*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SW846 8082A

Samples:

SB67363-01 CS-1

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB67363-02 CS-2

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB67363-03 CS-3

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB67363-04 CS-4

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sample Acceptance Check Form

Client: AECC Environmental Consulting
Project: WBP - East Syracuse, NY / 13-067
Work Order: SB67363
Sample(s) received on: 4/9/2013
Received by: Vickie Knowles

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
1. Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Were custody seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Were samples received at a temperature of $\leq 6^{\circ}\text{C}$?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Were samples cooled on ice upon transfer to laboratory representative?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Were samples refrigerated upon transfer to laboratory representative?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Were sample containers received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Were samples accompanied by a Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Did sample container labels agree with Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Were samples received within method-specific holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Identification

CS-1

SB67363-01

Client Project #

13-067

Matrix

Soil

Collection Date/Time

08-Apr-13 15:40

Received

09-Apr-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GC

Polychlorinated Biphenyls

GS1

Prepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 533	U, D	µg/kg dry	1070	533	50	SW846 8082A	10-Apr-13	11-Apr-13	IMR	1307976	X
11104-28-2	Aroclor-1221	< 960	U, D	µg/kg dry	1070	960	50	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 684	U, D	µg/kg dry	1070	684	50	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 628	U, D	µg/kg dry	1070	628	50	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	34,400	D	µg/kg dry	1070	432	50	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 888	U, D	µg/kg dry	1070	888	50	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 661	U, D	µg/kg dry	1070	661	50	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 993	U, D	µg/kg dry	1070	993	50	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 335	U, D	µg/kg dry	1070	335	50	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	87.0	%					1	SM2540 G Mod.	10-Apr-13	10-Apr-13	DT	1307977	
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Sample Identification

CS-2

SB67363-02

Client Project #

13-067

Matrix

Soil

Collection Date/Time

08-Apr-13 15:45

Received

09-Apr-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GC

Polychlorinated Biphenyls

GS1

Prepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 105	U, D	µg/kg dry	211	105	10	SW846 8082A	10-Apr-13	11-Apr-13	IMR	1307976	X
11104-28-2	Aroclor-1221	< 190	U, D	µg/kg dry	211	190	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 135	U, D	µg/kg dry	211	135	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 124	U, D	µg/kg dry	211	124	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	6,320	D	µg/kg dry	211	85.4	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 176	U, D	µg/kg dry	211	176	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 131	U, D	µg/kg dry	211	131	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 196	U, D	µg/kg dry	211	196	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.2	U, D	µg/kg dry	211	66.2	10	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	

General Chemistry Parameters*This laboratory report is not valid without an authorized signature on the cover page.*

Sample Identification

CS-2

SB67363-02

Client Project #

13-067

Matrix

Soil

Collection Date/Time

08-Apr-13 15:45

Received

09-Apr-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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General Chemistry Parameters

% Solids

86.9

%

1

SM2540 G Mod.

10-Apr-13

10-Apr-13

DT

1307977

Sample Identification

CS-3

SB67363-03

Client Project #

13-067

Matrix

Soil

Collection Date/Time

08-Apr-13 15:50

Received

09-Apr-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 122	U, D	µg/kg dry	245	122	10	SW846 8082A	10-Apr-13	11-Apr-13	IMR	1307976	X
11104-28-2	Aroclor-1221	< 221	U, D	µg/kg dry	245	221	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 157	U, D	µg/kg dry	245	157	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 144	U, D	µg/kg dry	245	144	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	7,800	D	µg/kg dry	245	120	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 204	U, D	µg/kg dry	245	204	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 152	U, D	µg/kg dry	245	152	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 228	U, D	µg/kg dry	245	228	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 76.9	U, D	µg/kg dry	245	76.9	10	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids

80.0

%

1

SM2540 G Mod.

10-Apr-13

10-Apr-13

DT

1307977

Sample Identification

CS-4

SB67363-04

Client Project #

13-067

Matrix

Soil

Collection Date/Time

08-Apr-13 15:55

Received

09-Apr-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GC

Polychlorinated Biphenyls

GS1

Prepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 115	U, D	µg/kg dry	231	115	10	SW846 8082A	10-Apr-13	11-Apr-13	IMR	1307976	X
11104-28-2	Aroclor-1221	< 208	U, D	µg/kg dry	231	208	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 148	U, D	µg/kg dry	231	148	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 136	U, D	µg/kg dry	231	136	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	9,410	D	µg/kg dry	231	113	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 192	U, D	µg/kg dry	231	192	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 143	U, D	µg/kg dry	231	143	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 215	U, D	µg/kg dry	231	215	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 72.4	U, D	µg/kg dry	231	72.4	10	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	150			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	81.5	%					1	SM2540 G Mod.	10-Apr-13	10-Apr-13	DT	1307977	
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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1307976 - SW846 3545A										
Blank (1307976-BLK1)					<u>Prepared & Analyzed: 10-Apr-13</u>					
Aroclor-1016	< 9.99	U	µg/kg wet	9.99						
Aroclor-1016 [2C]	< 9.98	U	µg/kg wet	9.98						
Aroclor-1221	< 18.0	U	µg/kg wet	18.0						
Aroclor-1221 [2C]	< 13.1	U	µg/kg wet	13.1						
Aroclor-1232	< 12.8	U	µg/kg wet	12.8						
Aroclor-1232 [2C]	< 15.7	U	µg/kg wet	15.7						
Aroclor-1242	< 11.8	U	µg/kg wet	11.8						
Aroclor-1242 [2C]	< 7.86	U	µg/kg wet	7.86						
Aroclor-1248	< 9.81	U	µg/kg wet	9.81						
Aroclor-1248 [2C]	< 8.11	U	µg/kg wet	8.11						
Aroclor-1254	< 16.7	U	µg/kg wet	16.7						
Aroclor-1254 [2C]	< 8.49	U	µg/kg wet	8.49						
Aroclor-1260	< 12.4	U	µg/kg wet	12.4						
Aroclor-1260 [2C]	< 8.93	U	µg/kg wet	8.93						
Aroclor-1262	< 18.6	U	µg/kg wet	18.6						
Aroclor-1262 [2C]	< 19.2	U	µg/kg wet	19.2						
Aroclor-1268	< 6.28	U	µg/kg wet	6.28						
Aroclor-1268 [2C]	< 9.90	U	µg/kg wet	9.90						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	20.0		µg/kg wet		20.0		100	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	23.0		µg/kg wet		20.0		115	30-150		
Surrogate: Decachlorobiphenyl (Sr)	24.0		µg/kg wet		20.0		120	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	25.0		µg/kg wet		20.0		125	30-150		
LCS (1307976-BS1)					<u>Prepared & Analyzed: 10-Apr-13</u>					
Aroclor-1016	270		µg/kg wet	9.99	250		108	40-140		
Aroclor-1016 [2C]	234		µg/kg wet	9.98	250		94	40-140		
Aroclor-1260	247		µg/kg wet	12.4	250		99	40-140		
Aroclor-1260 [2C]	246		µg/kg wet	8.93	250		98	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	19.0		µg/kg wet		20.0		95	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	20.0		µg/kg wet		20.0		100	30-150		
Surrogate: Decachlorobiphenyl (Sr)	21.0		µg/kg wet		20.0		105	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	22.0		µg/kg wet		20.0		110	30-150		
LCS Dup (1307976-BSD1)					<u>Prepared & Analyzed: 10-Apr-13</u>					
Aroclor-1016	273		µg/kg wet	9.99	250		109	40-140	1	30
Aroclor-1016 [2C]	248		µg/kg wet	9.98	250		99	40-140	6	30
Aroclor-1260	248		µg/kg wet	12.4	250		99	40-140	0.4	30
Aroclor-1260 [2C]	225		µg/kg wet	8.93	250		90	40-140	9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	19.0		µg/kg wet		20.0		95	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	19.0		µg/kg wet		20.0		95	30-150		
Surrogate: Decachlorobiphenyl (Sr)	22.0		µg/kg wet		20.0		110	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	21.0		µg/kg wet		20.0		105	30-150		
Duplicate (1307976-DUP1)					<u>Prepared: 10-Apr-13 Analyzed: 11-Apr-13</u>					
			GS1	Source: SB67363-01						
Aroclor-1016	< 561	U, D	µg/kg dry	561		BRL				30
Aroclor-1016 [2C]	< 561	U, D	µg/kg dry	561		BRL				30
Aroclor-1221	< 1010	U, D	µg/kg dry	1010		BRL				30
Aroclor-1221 [2C]	< 734	U, D	µg/kg dry	734		BRL				30
Aroclor-1232	< 721	U, D	µg/kg dry	721		BRL				30
Aroclor-1232 [2C]	< 881	U, D	µg/kg dry	881		BRL				30
Aroclor-1242	< 662	U, D	µg/kg dry	662		BRL				30
Aroclor-1242 [2C]	< 441	U, D	µg/kg dry	441		BRL				30
Aroclor-1248	45400	D	µg/kg dry	551		34000			29	30

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1307976 - SW846 3545A										
<u>Duplicate (1307976-DUP1)</u>		GS1	<u>Source: SB67363-01</u>		<u>Prepared: 10-Apr-13 Analyzed: 11-Apr-13</u>					
Aroclor-1248 [2C]	45600	D	µg/kg dry	455		34400			28	30
Aroclor-1254	< 937	U, D	µg/kg dry	937		BRL				30
Aroclor-1254 [2C]	< 477	U, D	µg/kg dry	477		BRL				30
Aroclor-1260	< 697	U, D	µg/kg dry	697		BRL				30
Aroclor-1260 [2C]	< 502	U, D	µg/kg dry	502		480				30
Aroclor-1262	< 1050	U, D	µg/kg dry	1050		BRL				30
Aroclor-1262 [2C]	< 1080	U, D	µg/kg dry	1080		BRL				30
Aroclor-1268	< 353	U, D	µg/kg dry	353		BRL				30
Aroclor-1268 [2C]	< 556	U, D	µg/kg dry	556		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	0.00	S01, U	µg/kg dry		22.5			30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	0.00	S01, U	µg/kg dry		22.5			30-150		
Surrogate: Decachlorobiphenyl (Sr)	0.00	S01, U	µg/kg dry		22.5			30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	0.00	S01, U	µg/kg dry		22.5			30-150		
<u>Matrix Spike (1307976-MS1)</u>		GS1	<u>Source: SB67363-01</u>		<u>Prepared: 10-Apr-13 Analyzed: 11-Apr-13</u>					
Aroclor-1016	12100	QM2, D	µg/kg dry	108	270	BRL	4490	40-140		
Aroclor-1016 [2C]	13600	QM2, D	µg/kg dry	108	270	BRL	5020	40-140		
Aroclor-1260	2530	QM2, D	µg/kg dry	134	270	BRL	936	40-140		
Aroclor-1260 [2C]	2620	QM2, D	µg/kg dry	96.5	270	480	790	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	32.4		µg/kg dry		21.6		150	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	32.4		µg/kg dry		21.6		150	30-150		
Surrogate: Decachlorobiphenyl (Sr)	32.4		µg/kg dry		21.6		150	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	32.4		µg/kg dry		21.6		150	30-150		
<u>Matrix Spike Dup (1307976-MSD1)</u>		GS1	<u>Source: SB67363-01</u>		<u>Prepared: 10-Apr-13 Analyzed: 11-Apr-13</u>					
Aroclor-1016	10400	QM2, D	µg/kg dry	111	278	BRL	3750	40-140	18	30
Aroclor-1016 [2C]	11200	QM2, D	µg/kg dry	111	278	BRL	4050	40-140	21	30
Aroclor-1260	2490	QM2, D	µg/kg dry	138	278	BRL	896	40-140	4	30
Aroclor-1260 [2C]	2580	QM2, D	µg/kg dry	99.1	278	480	755	40-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	33.3		µg/kg dry		22.2		150	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	33.3		µg/kg dry		22.2		150	30-150		
Surrogate: Decachlorobiphenyl (Sr)	33.3		µg/kg dry		22.2		150	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	33.3		µg/kg dry		22.2		150	30-150		

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Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

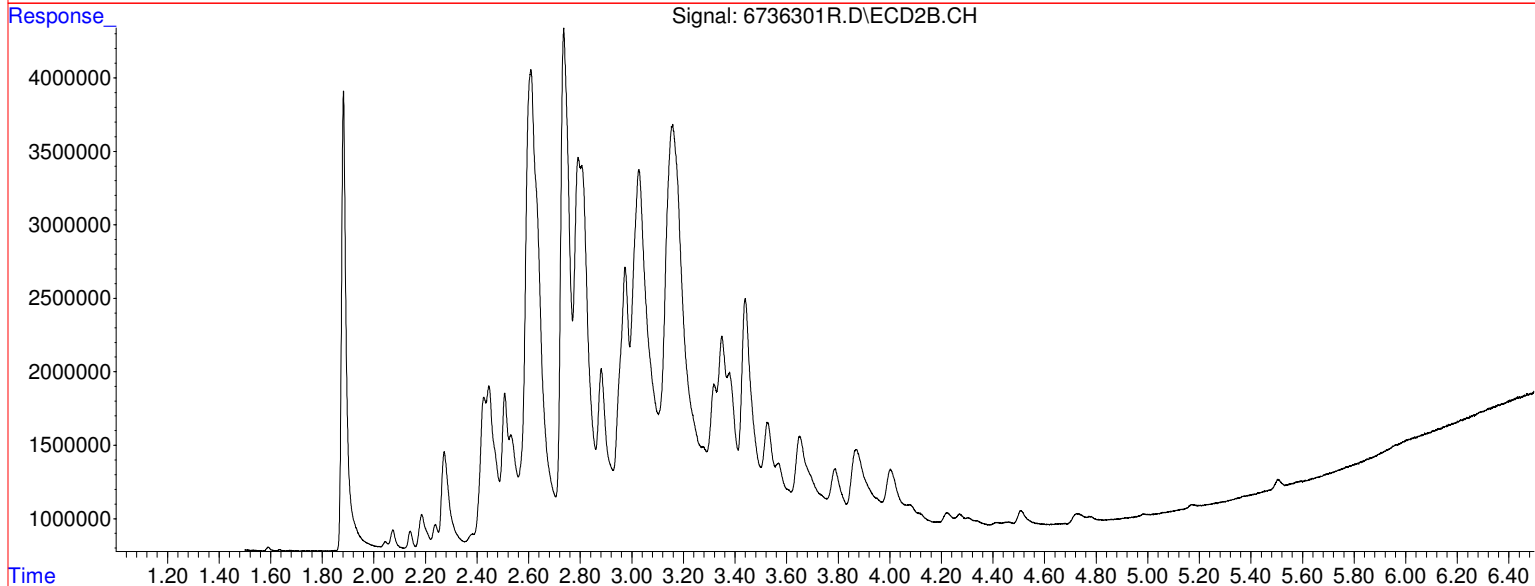
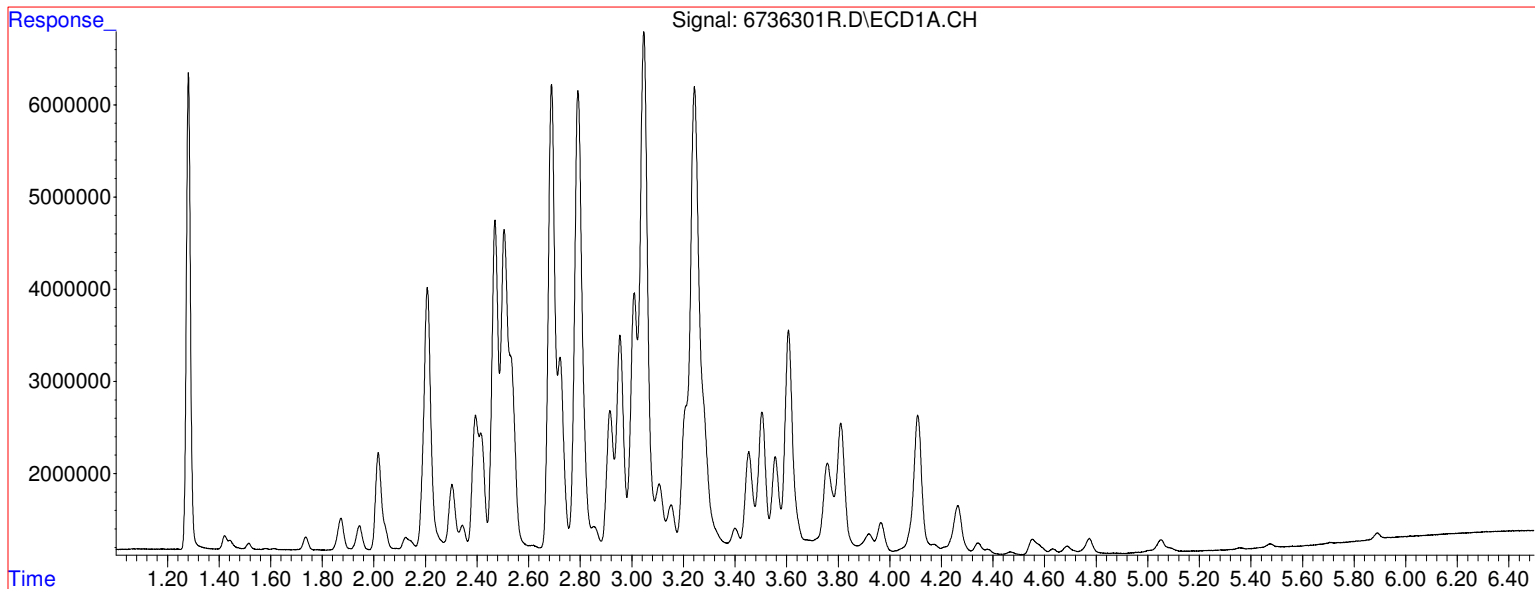
Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor

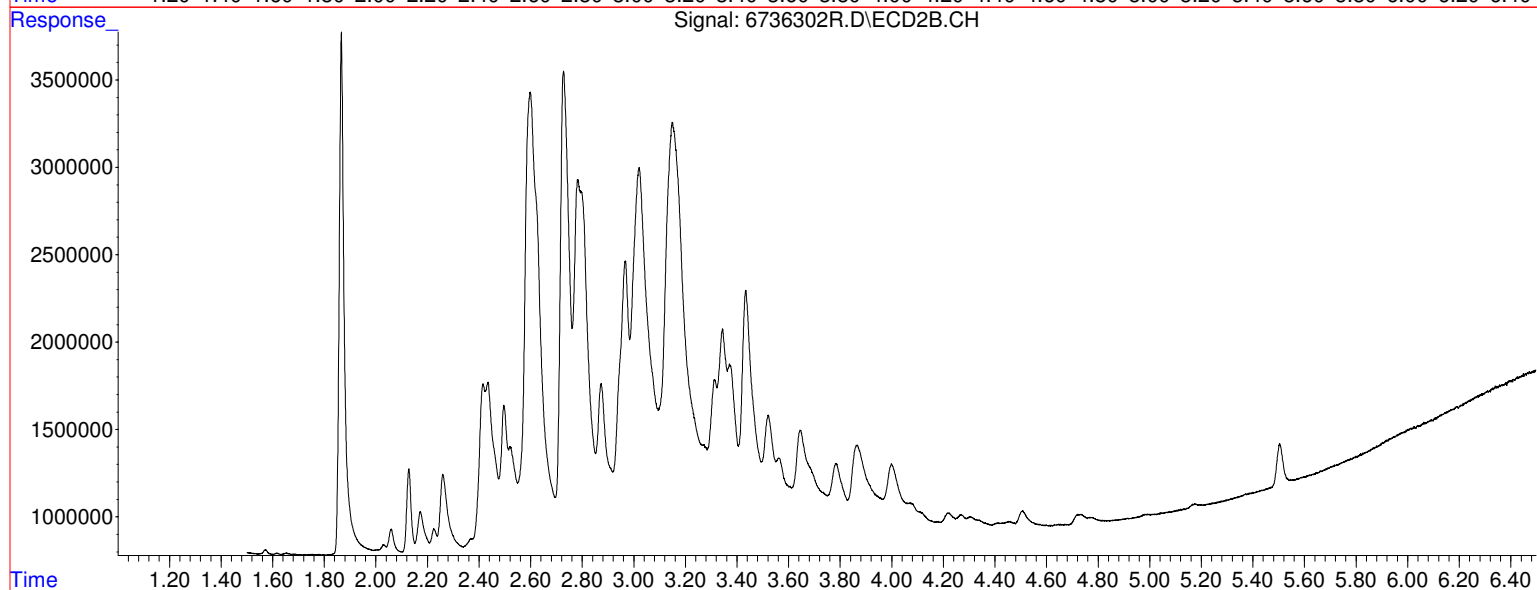
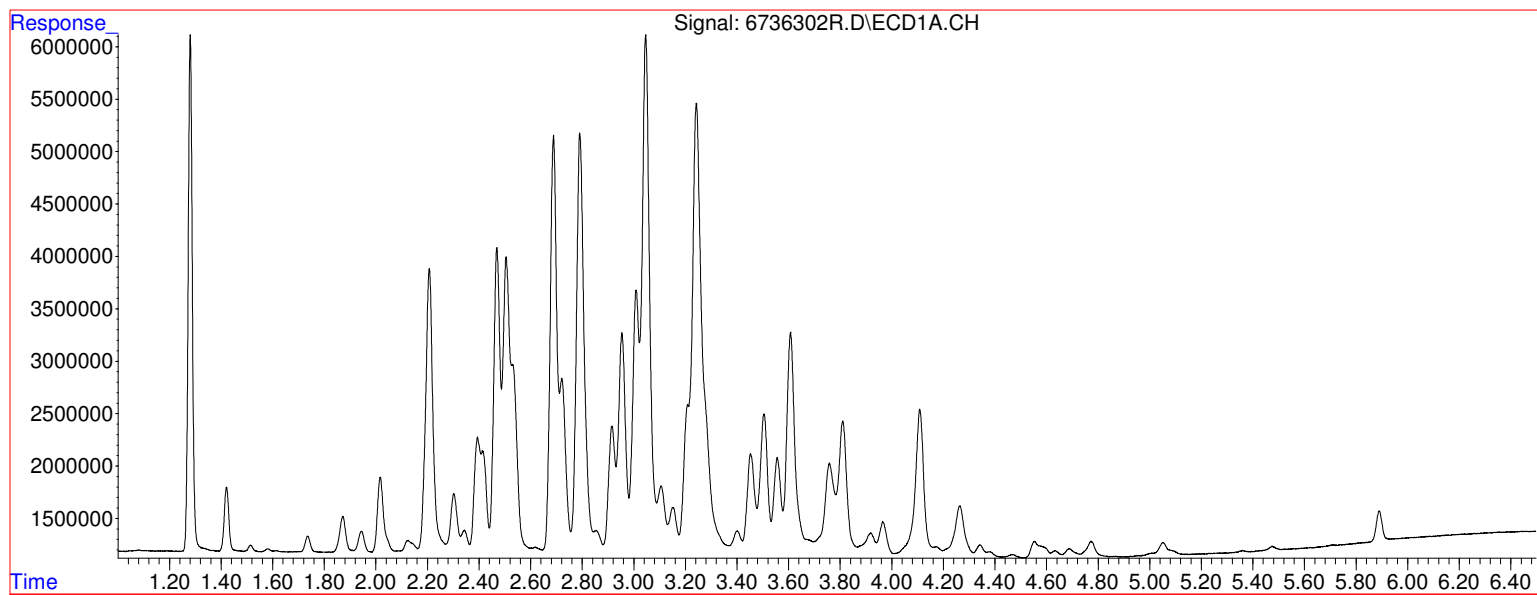
File :G:\Apr2013\HPS12\DATA\PCB120410\6736301R.D
Operator : IMR
Acquired : 11 Apr 2013 9:01 am using AcqMethod 60120306.M
Instrument : HP G1530A
Sample Name: SB67363-01 @ CS-1
Misc Info : 1:50 DIL
Vial Number: 14

????????



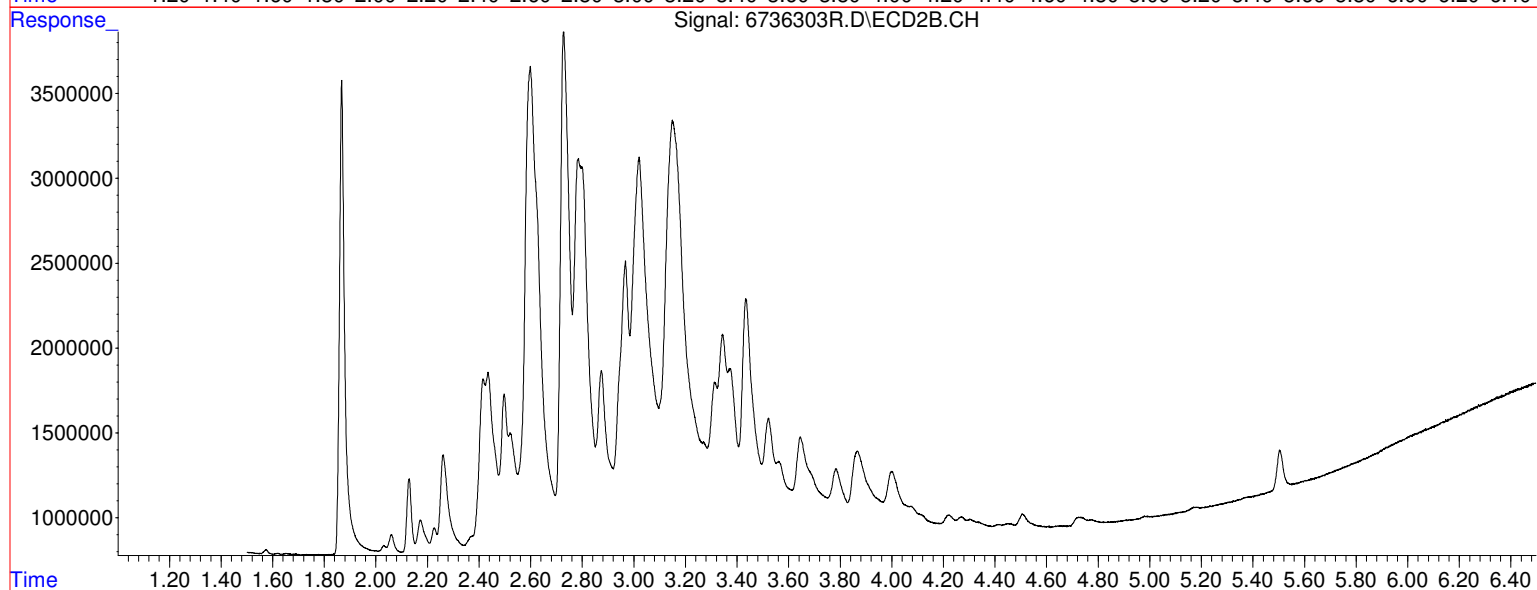
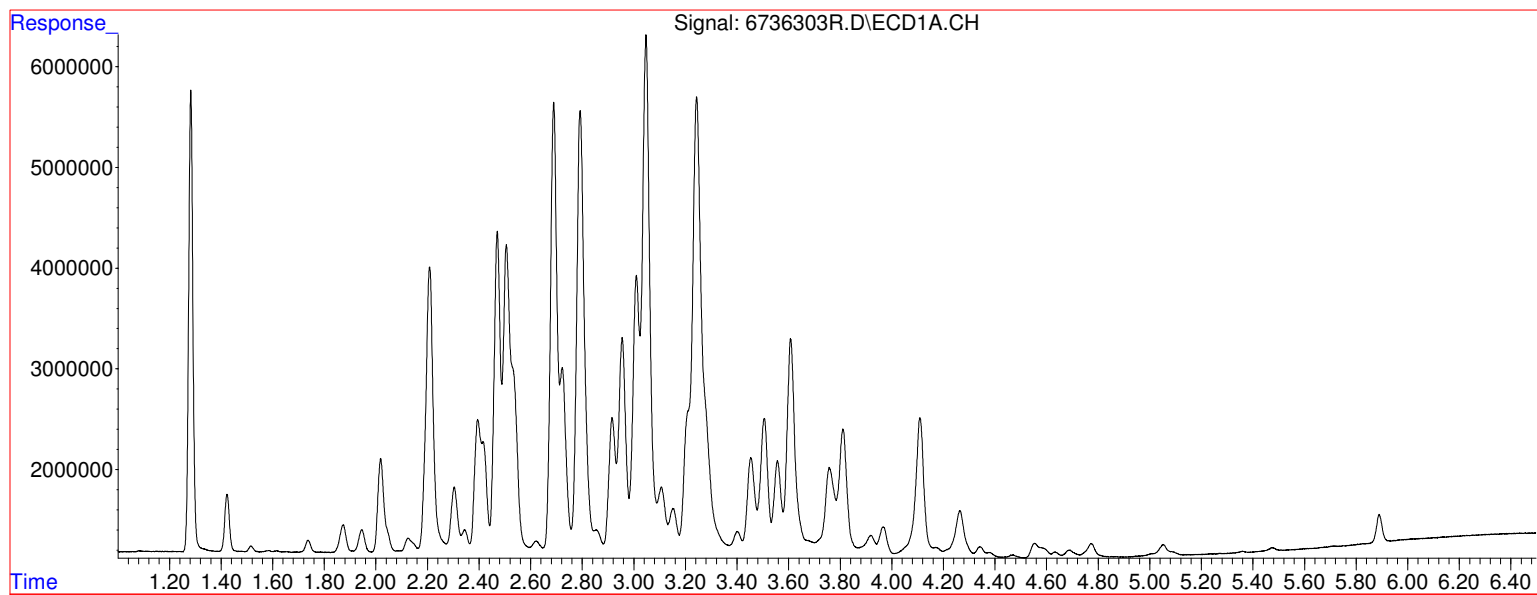
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Operator : IMR
Acquired : 11 Apr 2013 9:11 am using AcqMethod 60120306.M
Instrument : HP G1530A
Sample Name: SB67363-02 @ CS-2
Misc Info : 1:10 DIL
Vial Number: 15

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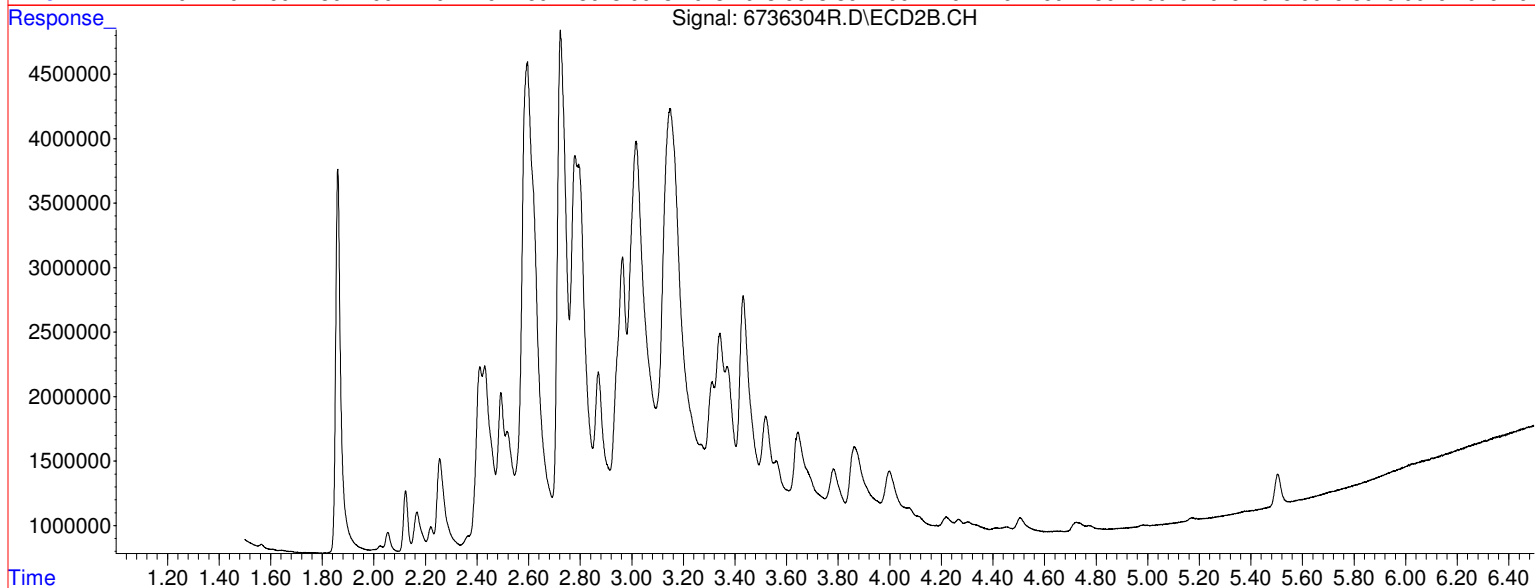
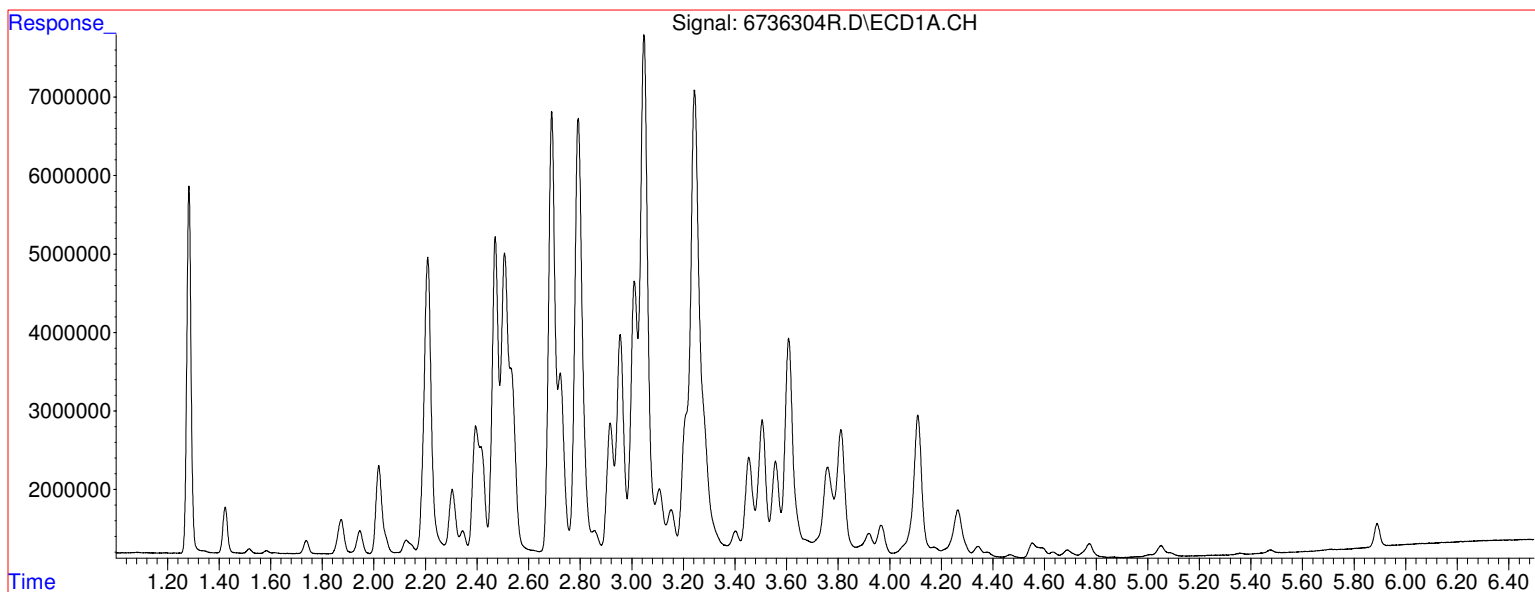
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Operator : IMR
Acquired : 11 Apr 2013 9:21 am using AcqMethod 60120306.M
Instrument : HP G1530A
Sample Name: SB67363-03 @ CS-3
Misc Info : 1:10 DIL
Vial Number: 16

????????



File :G:\Apr2013\HPS12\DATA\PCB120410\6736304R.D
Operator : IMR
Acquired : 11 Apr 2013 9:31 am using AcqMethod 60120306.M
Instrument : HP G1530A
Sample Name: SB67363-04 @ CS-4
Misc Info : 1:10 DIL
Vial Number: 17

????????





CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3-DAY
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To:

AEC

6308 Fly Rd

E STRAUSS NY 13057

Telephone #: 315-432-9400

Project Mgr. Rica Mckenna

P.O. No.: 13-067

RQN:

Sampler(s): Rich M

Site Name:

$$\frac{1}{2}$$

Location: ENST Syracuse

State: NY

Sampler(s): Rich McKenna

1= $\text{Na}_2\text{S}_2\text{O}_3$ 2= HCl 3= H_2SO_4

8=NaHSO₄ 9=Deionized Water

GW=Groundwater

O=O _{il}	SW=Surface Water	SO=Soil	SL=Sludge	A=Air
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X1=	X2=
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$$X_3 =$$

G=Grab C=CComposite

[illegible]

11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • FAX 413-789-4076 • www.spectrum-analytical.com

Revised Feb 2012

SR47263 HM

Report Date:
14-Jun-13 13:58



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

AECC Environmental Consulting
6308 Fly Road
East Syracuse, NY 13057
Attn: Rico McKenna

Project: WBP - Collamer, NY
Project #: 13-067

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SB70857-01	SP2-01	Soil	31-May-13 13:40	31-May-13 16:15
SB70857-02	SP2-02	Soil	31-May-13 13:45	31-May-13 16:15
SB70857-03	SP2-03	Soil	31-May-13 13:50	31-May-13 16:15
SB70857-04	SP2-04	Soil	31-May-13 13:55	31-May-13 16:15
SB70857-05	SP2-05	Soil	31-May-13 14:00	31-May-13 16:15
SB70857-06	SP2-06	Soil	31-May-13 14:05	31-May-13 16:15
SB70857-07	SP2-07	Soil	31-May-13 14:10	31-May-13 16:15
SB70857-08	SP2-08	Soil	31-May-13 14:15	31-May-13 16:15
SB70857-09	SP2-09	Soil	31-May-13 14:20	31-May-13 16:15
SB70857-10	SP2-10	Soil	31-May-13 14:25	31-May-13 16:15
SB70857-11	SP3-01	Soil	31-May-13 15:00	31-May-13 16:15
SB70857-12	SP3-02	Soil	31-May-13 15:05	31-May-13 16:15
SB70857-13	SP3-03	Soil	31-May-13 15:10	31-May-13 16:15
SB70857-14	SP3-04	Soil	31-May-13 15:15	31-May-13 16:15
SB70857-15	SP3-05	Soil	31-May-13 15:20	31-May-13 16:15
SB70857-16	SP3-06	Soil	31-May-13 15:25	31-May-13 16:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 24 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 12.4 degrees Celsius. The condition of these samples was further noted as received on ice. The samples were transported on ice to the laboratory facility and the temperature was recorded at 1.1 degrees Celsius upon receipt at the laboratory. Samples were received within 24 hours of collection. Please refer to the Chain of Custody for details specific to sample receipt times.

An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Laboratory Control Samples:

1313358 BSD

Aroclor-1016 RPD 37% (30%) is outside individual acceptance criteria.

Samples:

SB70857-01 *SP2-01*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB70857-05 *SP2-05*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB70857-06 *SP2-06*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB70857-07 *SP2-07*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB70857-08 *SP2-08*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sample Acceptance Check Form

Client: AECC Environmental Consulting
 Project: WBP - Collamer, NY / 13-067
 Work Order: SB70857
 Sample(s) received on: 5/31/2013
 Received by: Vickie Knowles

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
1. Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Were custody seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Were samples received at a temperature of $\leq 6^{\circ}\text{C}$?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Were samples cooled on ice upon transfer to laboratory representative?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Were samples refrigerated upon transfer to laboratory representative?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Were sample containers received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Were samples accompanied by a Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Did sample container labels agree with Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Were samples received within method-specific holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Identification

SP2-01

SB70857-01

Client Project #

13-067

Matrix

Soil

Collection Date/Time

31-May-13 13:40

Received

31-May-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GC

Polychlorinated Biphenyls

GS1

Prepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 112	U, D	µg/kg dry	225	112	10	SW846 8082A	07-Jun-13	13-Jun-13	IMR	1313358	X
11104-28-2	Aroclor-1221	< 202	U, D	µg/kg dry	225	202	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 144	U, D	µg/kg dry	225	144	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 132	U, D	µg/kg dry	225	132	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	8,780	D	µg/kg dry	225	110	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 187	U, D	µg/kg dry	225	187	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	292	D	µg/kg dry	225	139	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 209	U, D	µg/kg dry	225	209	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 70.5	U, D	µg/kg dry	225	70.5	10	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	150			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	150			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	150			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	87.6	%					1	SM2540 G Mod.	10-Jun-13	10-Jun-13	DT	1313546	
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This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

SP2-02

SB70857-02

Client Project #

13-067

Matrix

Soil

Collection Date/Time

31-May-13 13:45

Received

31-May-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 11.1	U	µg/kg dry	22.2	11.1	1	SW846 8082A	07-Jun-13	12-Jun-13	BLM	1313358	X
11104-28-2	Aroclor-1221	< 20.0	U	µg/kg dry	22.2	20.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 14.3	U	µg/kg dry	22.2	14.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 13.1	U	µg/kg dry	22.2	13.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	110		µg/kg dry	22.2	9.00	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 18.5	U	µg/kg dry	22.2	18.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 13.8	U	µg/kg dry	22.2	13.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.7	U	µg/kg dry	22.2	20.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 6.97	U	µg/kg dry	22.2	6.97	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	125			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	125			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	85.3	%					1	SM2540 G Mod.	10-Jun-13	10-Jun-13	DT	1313546	
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Sample Identification

SP2-03

SB70857-03

Client Project #

13-067

Matrix

Soil

Collection Date/Time

31-May-13 13:50

Received

31-May-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 11.0	U	µg/kg dry	22.0	11.0	1	SW846 8082A	07-Jun-13	12-Jun-13	BLM	1313358	X
11104-28-2	Aroclor-1221	< 19.8	U	µg/kg dry	22.0	19.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 14.1	U	µg/kg dry	22.0	14.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.9	U	µg/kg dry	22.0	12.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	64.8		µg/kg dry	22.0	8.91	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 18.3	U	µg/kg dry	22.0	18.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	15.4	J	µg/kg dry	22.0	9.81	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.5	U	µg/kg dry	22.0	20.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 6.90	U	µg/kg dry	22.0	6.90	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	120			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	120			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	88.6	%					1	SM2540 G Mod.	10-Jun-13	10-Jun-13	DT	1313546	
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Sample Identification

SP2-04

SB70857-04

Client Project #

13-067

Matrix

Soil

Collection Date/Time

31-May-13 13:55

Received

31-May-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GC

Polychlorinated Biphenyls

Prepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 11.2	U	µg/kg dry	22.3	11.2	1	SW846 8082A	07-Jun-13	12-Jun-13	BLM	1313358	X
11104-28-2	Aroclor-1221	< 20.1	U	µg/kg dry	22.3	20.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 14.3	U	µg/kg dry	22.3	14.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 13.1	U	µg/kg dry	22.3	13.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	271		µg/kg dry	22.3	9.05	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 18.6	U	µg/kg dry	22.3	18.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 13.8	U	µg/kg dry	22.3	13.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.8	U	µg/kg dry	22.3	20.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 7.01	U	µg/kg dry	22.3	7.01	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	115			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	120			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	89.3	%					1	SM2540 G Mod.	10-Jun-13	10-Jun-13	DT	1313546	
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Sample Identification

SP2-05

SB70857-05

Client Project #

13-067

Matrix

Soil

Collection Date/Time

31-May-13 14:00

Received

31-May-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GC

Polychlorinated Biphenyls

GS1

Prepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 110	U, D	µg/kg dry	220	110	10	SW846 8082A	07-Jun-13	13-Jun-13	IMR	1313358	X
11104-28-2	Aroclor-1221	< 198	U, D	µg/kg dry	220	198	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 141	U, D	µg/kg dry	220	141	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 130	U, D	µg/kg dry	220	130	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	9,640	D	µg/kg dry	220	108	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 183	U, D	µg/kg dry	220	183	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	286	D	µg/kg dry	220	136	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 205	U, D	µg/kg dry	220	205	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 69.0	U, D	µg/kg dry	220	69.0	10	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	87.6	%					1	SM2540 G Mod.	10-Jun-13	10-Jun-13	DT	1313546	
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Sample Identification

SP2-06

SB70857-06

Client Project #

13-067

Matrix

Soil

Collection Date/Time

31-May-13 14:05

Received

31-May-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GC

Polychlorinated Biphenyls

GS1

Prepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 113	U, D	µg/kg dry	227	113	10	SW846 8082A	07-Jun-13	13-Jun-13	IMR	1313358	X
11104-28-2	Aroclor-1221	< 204	U, D	µg/kg dry	227	204	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 146	U, D	µg/kg dry	227	146	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 134	U, D	µg/kg dry	227	134	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	7,080	D	µg/kg dry	227	111	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 189	U, D	µg/kg dry	227	189	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	193	J, D	µg/kg dry	227	141	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 211	U, D	µg/kg dry	227	211	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 71.3	U, D	µg/kg dry	227	71.3	10	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	150			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	150			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	86.2	%					1	SM2540 G Mod.	10-Jun-13	10-Jun-13	DT	1313546	
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Sample Identification

SP2-07

SB70857-07

Client Project #

13-067

Matrix

Soil

Collection Date/Time

31-May-13 14:10

Received

31-May-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GC

Polychlorinated Biphenyls

GS1

Prepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 105	U, D	µg/kg dry	210	105	10	SW846 8082A	07-Jun-13	13-Jun-13	IMR	1313358	X
11104-28-2	Aroclor-1221	< 189	U, D	µg/kg dry	210	189	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 135	U, D	µg/kg dry	210	135	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 124	U, D	µg/kg dry	210	124	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	13,900	D	µg/kg dry	210	85.2	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 175	U, D	µg/kg dry	210	175	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	505	D	µg/kg dry	210	130	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 196	U, D	µg/kg dry	210	196	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.0	U, D	µg/kg dry	210	66.0	10	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	150			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	91.0	%					1	SM2540 G Mod.	10-Jun-13	10-Jun-13	DT	1313546	
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Sample Identification

SP2-08

SB70857-08

Client Project #

13-067

Matrix

Soil

Collection Date/Time

31-May-13 14:15

Received

31-May-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 105	U, D	µg/kg dry	209	105	10	SW846 8082A	07-Jun-13	13-Jun-13	IMR	1313358	X
11104-28-2	Aroclor-1221	< 189	U, D	µg/kg dry	209	189	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 134	U, D	µg/kg dry	209	134	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 123	U, D	µg/kg dry	209	123	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	24,700	D	µg/kg dry	209	103	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 174	U, D	µg/kg dry	209	174	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	973	D	µg/kg dry	209	130	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 195	U, D	µg/kg dry	209	195	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.7	U, D	µg/kg dry	209	65.7	10	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	150			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	150			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	150			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	150			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	93.3	%					1	SM2540 G Mod.	10-Jun-13	10-Jun-13	DT	1313546	
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Sample Identification

SP2-09

SB70857-09

Client Project #

13-067

Matrix

Soil

Collection Date/Time

31-May-13 14:20

Received

31-May-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GC

Polychlorinated Biphenyls

Prepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 10.5	U	µg/kg dry	20.9	10.5	1	SW846 8082A	07-Jun-13	12-Jun-13	BLM	1313358	X
11104-28-2	Aroclor-1221	< 18.8	U	µg/kg dry	20.9	18.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 13.4	U	µg/kg dry	20.9	13.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.3	U	µg/kg dry	20.9	12.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	119		µg/kg dry	20.9	10.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 17.4	U	µg/kg dry	20.9	17.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 13.0	U	µg/kg dry	20.9	13.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19.5	U	µg/kg dry	20.9	19.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 6.57	U	µg/kg dry	20.9	6.57	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	115			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	120			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	125			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	130			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	92.1	%					1	SM2540 G Mod.	10-Jun-13	10-Jun-13	DT	1313546	
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Sample Identification

SP2-10

SB70857-10

Client Project #

13-067

Matrix

Soil

Collection Date/Time

31-May-13 14:25

Received

31-May-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GC

Polychlorinated Biphenyls

Prepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 10.8	U	µg/kg dry	21.7	10.8	1	SW846 8082A	07-Jun-13	12-Jun-13	BLM	1313358	X
11104-28-2	Aroclor-1221	< 19.5	U	µg/kg dry	21.7	19.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 13.9	U	µg/kg dry	21.7	13.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.8	U	µg/kg dry	21.7	12.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 10.6	U	µg/kg dry	21.7	10.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 18.1	U	µg/kg dry	21.7	18.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 13.4	U	µg/kg dry	21.7	13.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.2	U	µg/kg dry	21.7	20.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 6.81	U	µg/kg dry	21.7	6.81	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	130			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	120			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	125			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	130			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	88.7	%					1	SM2540 G Mod.	10-Jun-13	10-Jun-13	DT	1313546	
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Sample Identification

SP3-01

SB70857-11

Client Project #

13-067

Matrix

Soil

Collection Date/Time

31-May-13 15:00

Received

31-May-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 13.1	U	µg/kg dry	26.2	13.1	1	SW846 8082A	07-Jun-13	12-Jun-13	BLM	1313358	X
11104-28-2	Aroclor-1221	< 23.6	U	µg/kg dry	26.2	23.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 16.8	U	µg/kg dry	26.2	16.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 15.4	U	µg/kg dry	26.2	15.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 12.8	U	µg/kg dry	26.2	12.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.8	U	µg/kg dry	26.2	21.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16.2	U	µg/kg dry	26.2	16.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.4	U	µg/kg dry	26.2	24.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 8.22	U	µg/kg dry	26.2	8.22	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	130			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	125			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	130			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	135			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	74.7	%					1	SM2540 G Mod.	10-Jun-13	10-Jun-13	DT	1313546	
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Sample Identification

SP3-02

SB70857-12

Client Project #

13-067

Matrix

Soil

Collection Date/Time

31-May-13 15:05

Received

31-May-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GC

Polychlorinated Biphenyls

Prepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 12.2	U	µg/kg dry	24.4	12.2	1	SW846 8082A	07-Jun-13	12-Jun-13	BLM	1313358	X
11104-28-2	Aroclor-1221	< 22.0	U	µg/kg dry	24.4	22.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 15.7	U	µg/kg dry	24.4	15.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 14.4	U	µg/kg dry	24.4	14.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 12.0	U	µg/kg dry	24.4	12.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.3	U	µg/kg dry	24.4	20.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 15.1	U	µg/kg dry	24.4	15.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.7	U	µg/kg dry	24.4	22.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 7.66	U	µg/kg dry	24.4	7.66	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	130			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	125			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	130			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	135			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	75.9	%					1	SM2540 G Mod.	10-Jun-13	10-Jun-13	DT	1313547	
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Sample Identification

SP3-03

SB70857-13

Client Project #

13-067

Matrix

Soil

Collection Date/Time

31-May-13 15:10

Received

31-May-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GC

Polychlorinated Biphenyls

Prepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 12.8	U	µg/kg dry	25.7	12.8	1	SW846 8082A	07-Jun-13	12-Jun-13	BLM	1313358	X
11104-28-2	Aroclor-1221	< 23.1	U	µg/kg dry	25.7	23.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 16.5	U	µg/kg dry	25.7	16.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 15.1	U	µg/kg dry	25.7	15.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	46.2		µg/kg dry	25.7	12.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.4	U	µg/kg dry	25.7	21.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 15.9	U	µg/kg dry	25.7	15.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.9	U	µg/kg dry	25.7	23.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 8.07	U	µg/kg dry	25.7	8.07	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	120			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	125			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	76.9	%					1	SM2540 G Mod.	10-Jun-13	10-Jun-13	DT	1313547	
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Sample Identification

SP3-04

SB70857-14

Client Project #

13-067

Matrix

Soil

Collection Date/Time

31-May-13 15:15

Received

31-May-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GC

Polychlorinated Biphenyls

Prepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 12.5	U	µg/kg dry	25.0	12.5	1	SW846 8082A	07-Jun-13	12-Jun-13	BLM	1313358	X
11104-28-2	Aroclor-1221	< 22.5	U	µg/kg dry	25.0	22.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 16.1	U	µg/kg dry	25.0	16.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 14.7	U	µg/kg dry	25.0	14.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 12.3	U	µg/kg dry	25.0	12.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.9	U	µg/kg dry	25.0	20.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 15.5	U	µg/kg dry	25.0	15.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.3	U	µg/kg dry	25.0	23.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 7.86	U	µg/kg dry	25.0	7.86	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	125			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	120			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	120			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	130			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	77.6	%					1	SM2540 G Mod.	10-Jun-13	10-Jun-13	DT	1313547	
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Sample Identification

SP3-05

SB70857-15

Client Project #

13-067

Matrix

Soil

Collection Date/Time

31-May-13 15:20

Received

31-May-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GC

Polychlorinated Biphenyls

Prepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 12.8	U	µg/kg dry	25.6	12.8	1	SW846 8082A	07-Jun-13	12-Jun-13	BLM	1313358	X
11104-28-2	Aroclor-1221	< 23.0	U	µg/kg dry	25.6	23.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 16.4	U	µg/kg dry	25.6	16.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 15.1	U	µg/kg dry	25.6	15.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 12.5	U	µg/kg dry	25.6	12.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.3	U	µg/kg dry	25.6	21.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 15.9	U	µg/kg dry	25.6	15.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.8	U	µg/kg dry	25.6	23.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 8.03	U	µg/kg dry	25.6	8.03	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	120			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	125			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	75.5	%					1	SM2540 G Mod.	10-Jun-13	10-Jun-13	DT	1313547	
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Sample Identification

SP3-06

SB70857-16

Client Project #

13-067

Matrix

Soil

Collection Date/Time

31-May-13 15:25

Received

31-May-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 12.9	U	µg/kg dry	25.9	12.9	1	SW846 8082A	07-Jun-13	12-Jun-13	BLM	1313358	X
11104-28-2	Aroclor-1221	< 23.3	U	µg/kg dry	25.9	23.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 16.6	U	µg/kg dry	25.9	16.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 15.3	U	µg/kg dry	25.9	15.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 12.7	U	µg/kg dry	25.9	12.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.6	U	µg/kg dry	25.9	21.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16.1	U	µg/kg dry	25.9	16.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.1	U	µg/kg dry	25.9	24.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 8.13	U	µg/kg dry	25.9	8.13	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	120			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	125			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	130			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	75.9	%					1	SM2540 G Mod.	10-Jun-13	10-Jun-13	DT	1313547	
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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1313358 - SW846 3545A										
Blank (1313358-BLK1)					Prepared: 07-Jun-13 Analyzed: 09-Jun-13					
Aroclor-1016	< 9.99	U	µg/kg wet	9.99						
Aroclor-1016 [2C]	< 9.98	U	µg/kg wet	9.98						
Aroclor-1221	< 18.0	U	µg/kg wet	18.0						
Aroclor-1221 [2C]	< 13.1	U	µg/kg wet	13.1						
Aroclor-1232	< 12.8	U	µg/kg wet	12.8						
Aroclor-1232 [2C]	< 15.7	U	µg/kg wet	15.7						
Aroclor-1242	< 11.8	U	µg/kg wet	11.8						
Aroclor-1242 [2C]	< 7.86	U	µg/kg wet	7.86						
Aroclor-1248	< 9.81	U	µg/kg wet	9.81						
Aroclor-1248 [2C]	< 8.11	U	µg/kg wet	8.11						
Aroclor-1254	< 16.7	U	µg/kg wet	16.7						
Aroclor-1254 [2C]	< 8.49	U	µg/kg wet	8.49						
Aroclor-1260	< 12.4	U	µg/kg wet	12.4						
Aroclor-1260 [2C]	< 8.93	U	µg/kg wet	8.93						
Aroclor-1262	< 18.6	U	µg/kg wet	18.6						
Aroclor-1262 [2C]	< 19.2	U	µg/kg wet	19.2						
Aroclor-1268	< 6.28	U	µg/kg wet	6.28						
Aroclor-1268 [2C]	< 9.90	U	µg/kg wet	9.90						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	20.0		µg/kg wet		20.0		100	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	21.0		µg/kg wet		20.0		105	30-150		
Surrogate: Decachlorobiphenyl (Sr)	18.0		µg/kg wet		20.0		90	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	20.0		µg/kg wet		20.0		100	30-150		
LCS (1313358-BS1)					Prepared: 07-Jun-13 Analyzed: 09-Jun-13					
Aroclor-1016	290		µg/kg wet	9.99	250		116	40-140		
Aroclor-1016 [2C]	233		µg/kg wet	9.98	250		93	40-140		
Aroclor-1260	221		µg/kg wet	12.4	250		88	40-140		
Aroclor-1260 [2C]	268		µg/kg wet	8.93	250		107	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	20.0		µg/kg wet		20.0		100	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	22.0		µg/kg wet		20.0		110	30-150		
Surrogate: Decachlorobiphenyl (Sr)	15.0		µg/kg wet		20.0		75	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	23.0		µg/kg wet		20.0		115	30-150		
LCS Dup (1313358-BSD1)					Prepared: 07-Jun-13 Analyzed: 09-Jun-13					
Aroclor-1016	199	QR2	µg/kg wet	9.99	250		80	40-140	37	30
Aroclor-1016 [2C]	230		µg/kg wet	9.98	250		92	40-140	1	30
Aroclor-1260	175		µg/kg wet	12.4	250		70	40-140	23	30
Aroclor-1260 [2C]	234		µg/kg wet	8.93	250		94	40-140	14	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	19.0		µg/kg wet		20.0		95	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	21.0		µg/kg wet		20.0		105	30-150		
Surrogate: Decachlorobiphenyl (Sr)	15.0		µg/kg wet		20.0		75	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	21.0		µg/kg wet		20.0		105	30-150		
Duplicate (1313358-DUP1)					Source: SB70857-10 Prepared: 07-Jun-13 Analyzed: 13-Jun-13					
Aroclor-1016	< 11.2	U	µg/kg dry	11.2		BRL				30
Aroclor-1016 [2C]	< 11.2	U	µg/kg dry	11.2		BRL				30
Aroclor-1221	< 20.2	U	µg/kg dry	20.2		BRL				30
Aroclor-1221 [2C]	< 14.6	U	µg/kg dry	14.6		BRL				30
Aroclor-1232	< 14.4	U	µg/kg dry	14.4		BRL				30
Aroclor-1232 [2C]	< 17.6	U	µg/kg dry	17.6		BRL				30
Aroclor-1242	< 13.2	U	µg/kg dry	13.2		BRL				30
Aroclor-1242 [2C]	< 8.80	U	µg/kg dry	8.80		BRL				30
Aroclor-1248	< 11.0	U	µg/kg dry	11.0		BRL				30

This laboratory report is not valid without an authorized signature on the cover page.

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1313358 - SW846 3545A										
<u>Duplicate (1313358-DUP1)</u>				<u>Source: SB70857-10</u>				<u>Prepared: 07-Jun-13 Analyzed: 13-Jun-13</u>		
Aroclor-1248 [2C]	< 9.08	U	µg/kg dry	9.08		BRL				30
Aroclor-1254	< 18.7	U	µg/kg dry	18.7		BRL				30
Aroclor-1254 [2C]	< 9.51	U	µg/kg dry	9.51		BRL				30
Aroclor-1260	< 13.9	U	µg/kg dry	13.9		BRL				30
Aroclor-1260 [2C]	< 10.0	U	µg/kg dry	10.0		BRL				30
Aroclor-1262	< 20.9	U	µg/kg dry	20.9		BRL				30
Aroclor-1262 [2C]	< 21.5	U	µg/kg dry	21.5		BRL				30
Aroclor-1268	< 7.03	U	µg/kg dry	7.03		BRL				30
Aroclor-1268 [2C]	< 11.1	U	µg/kg dry	11.1		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	23.5		µg/kg dry		22.4		105	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	26.9		µg/kg dry		22.4		120	30-150		
Surrogate: Decachlorobiphenyl (Sr)	26.9		µg/kg dry		22.4		120	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	29.1		µg/kg dry		22.4		130	30-150		
<u>Matrix Spike (1313358-MS1)</u>				<u>Source: SB70857-10</u>				<u>Prepared: 07-Jun-13 Analyzed: 13-Jun-13</u>		
Aroclor-1016	302		µg/kg dry	11.1	277	BRL	109	40-140		
Aroclor-1016 [2C]	279		µg/kg dry	11.0	277	BRL	101	40-140		
Aroclor-1260	277		µg/kg dry	13.7	277	BRL	100	40-140		
Aroclor-1260 [2C]	215		µg/kg dry	9.88	277	BRL	78	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	26.5		µg/kg dry		22.1		120	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	27.7		µg/kg dry		22.1		125	30-150		
Surrogate: Decachlorobiphenyl (Sr)	25.4		µg/kg dry		22.1		115	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	25.4		µg/kg dry		22.1		115	30-150		
<u>Matrix Spike Dup (1313358-MSD1)</u>				<u>Source: SB70857-10</u>				<u>Prepared: 07-Jun-13 Analyzed: 13-Jun-13</u>		
Aroclor-1016	326		µg/kg dry	11.1	278	BRL	118	40-140	7	30
Aroclor-1016 [2C]	301		µg/kg dry	11.1	278	BRL	108	40-140	7	30
Aroclor-1260	316		µg/kg dry	13.8	278	BRL	114	40-140	13	30
Aroclor-1260 [2C]	260		µg/kg dry	9.91	278	BRL	94	40-140	19	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	27.8		µg/kg dry		22.2		125	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	28.9		µg/kg dry		22.2		130	30-150		
Surrogate: Decachlorobiphenyl (Sr)	26.6		µg/kg dry		22.2		120	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	28.9		µg/kg dry		22.2		130	30-150		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1313547 - General Preparation										
<u>Duplicate (1313547-DUP1)</u>				<u>Source: SB70857-12</u>		<u>Prepared & Analyzed: 10-Jun-13</u>				
% Solids	75.1		%			75.9			1	20

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

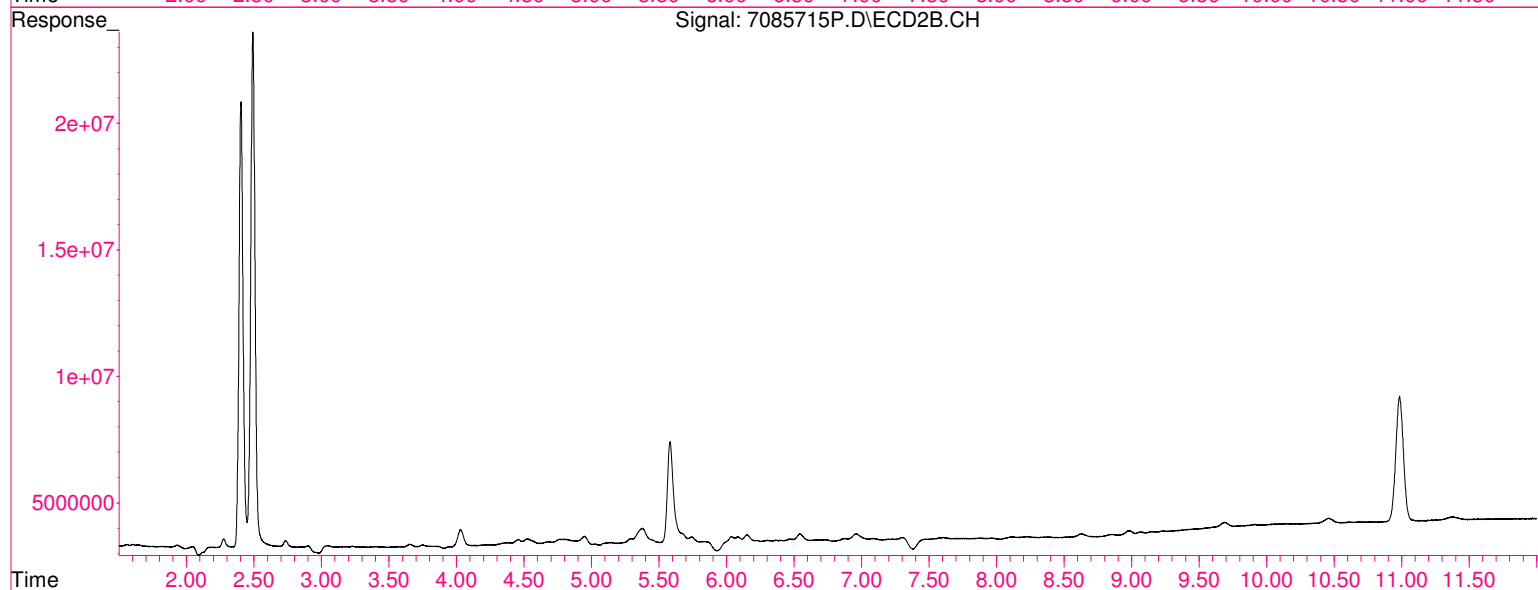
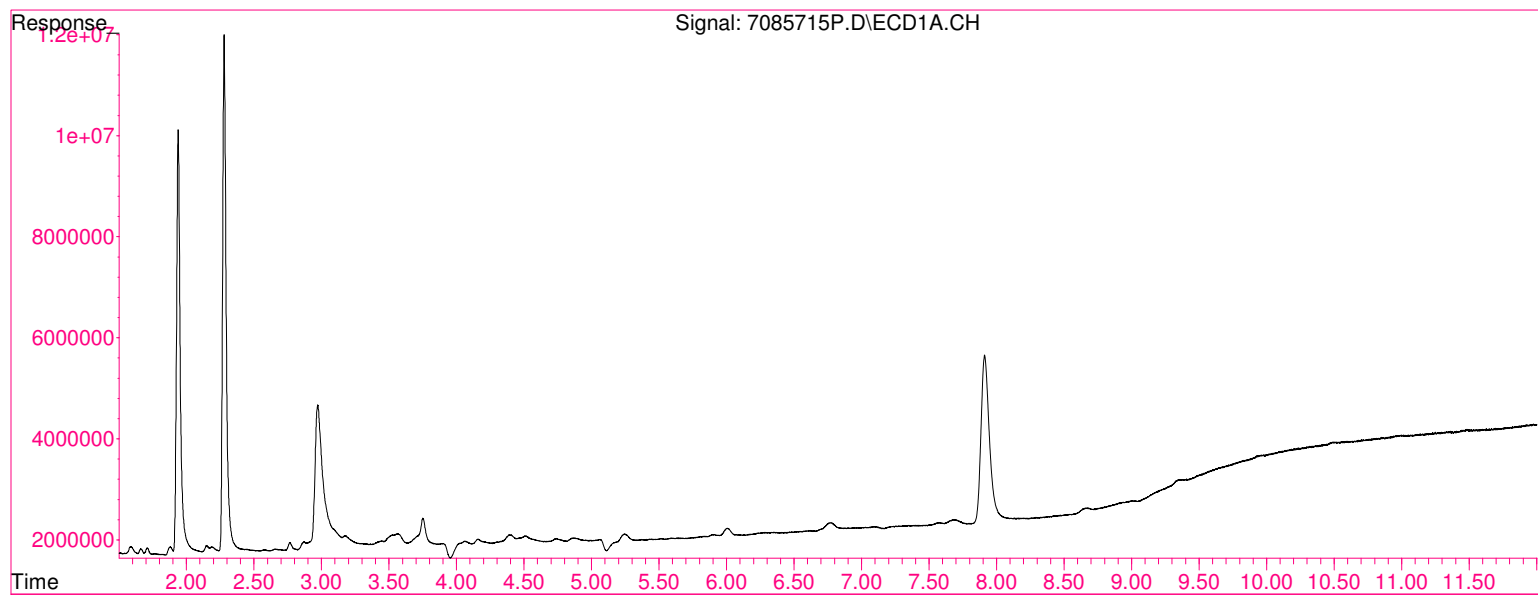
Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

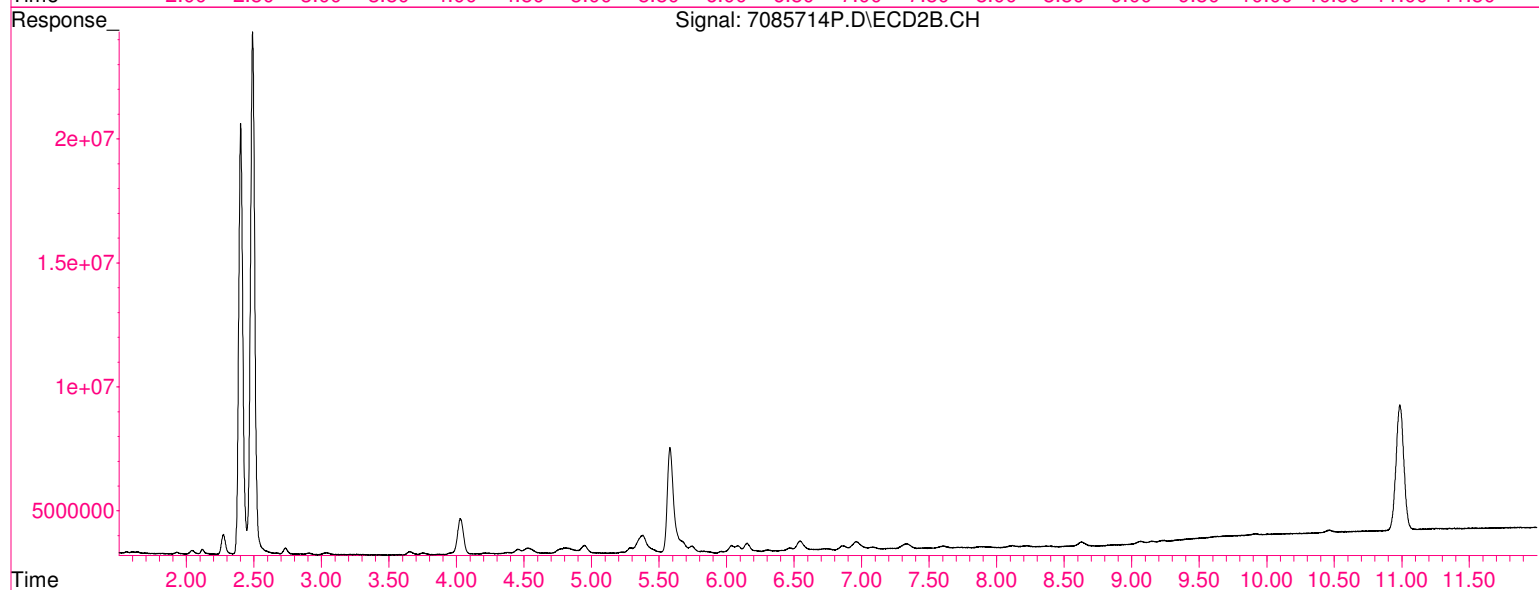
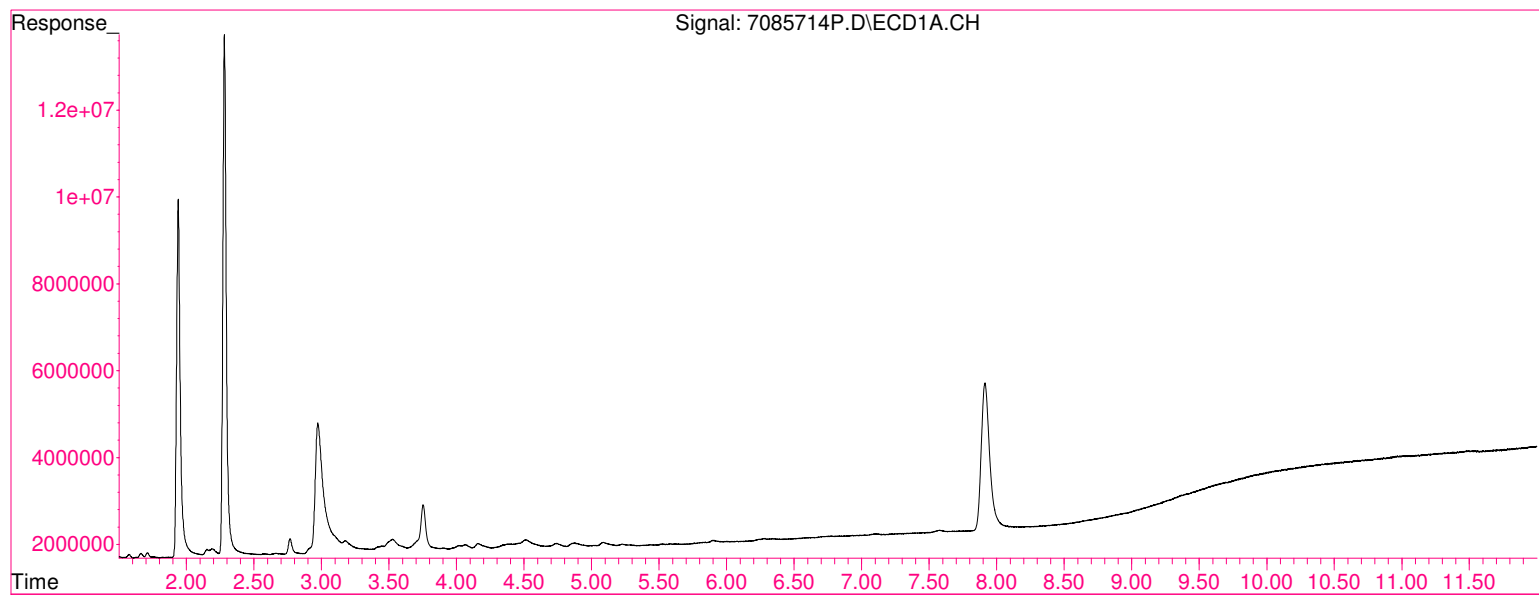
Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Rebecca Merz

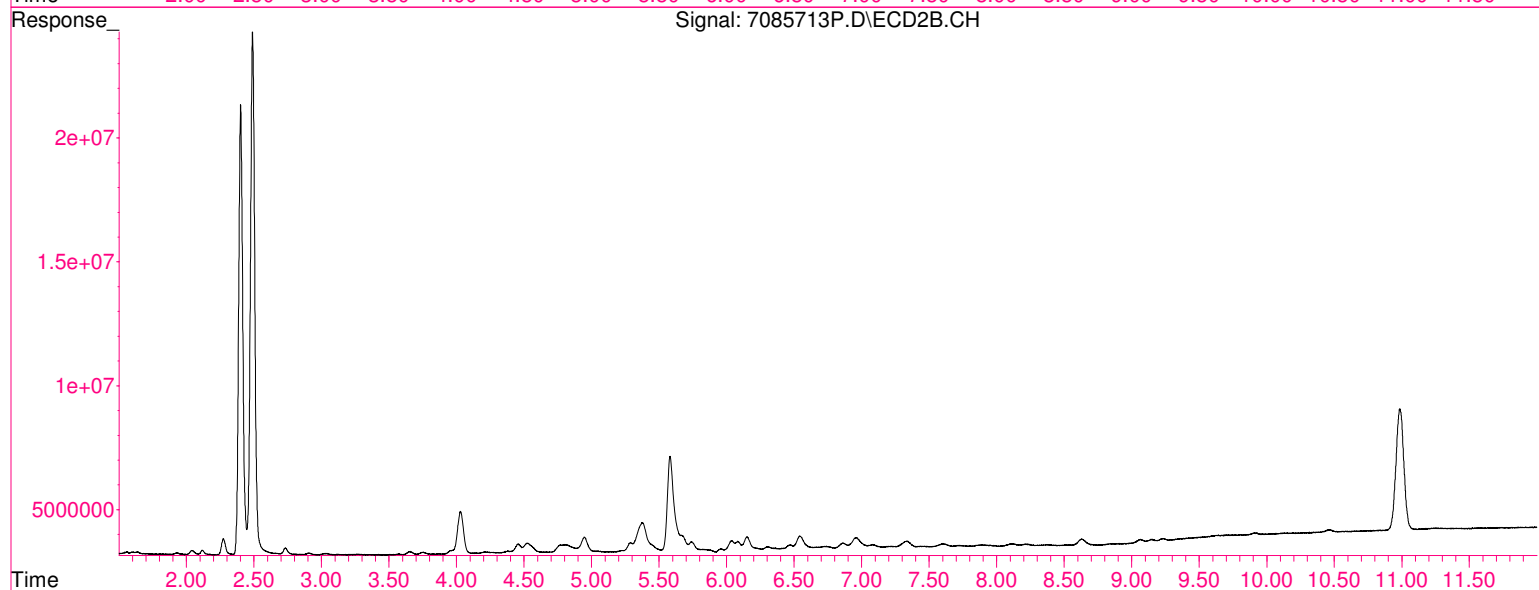
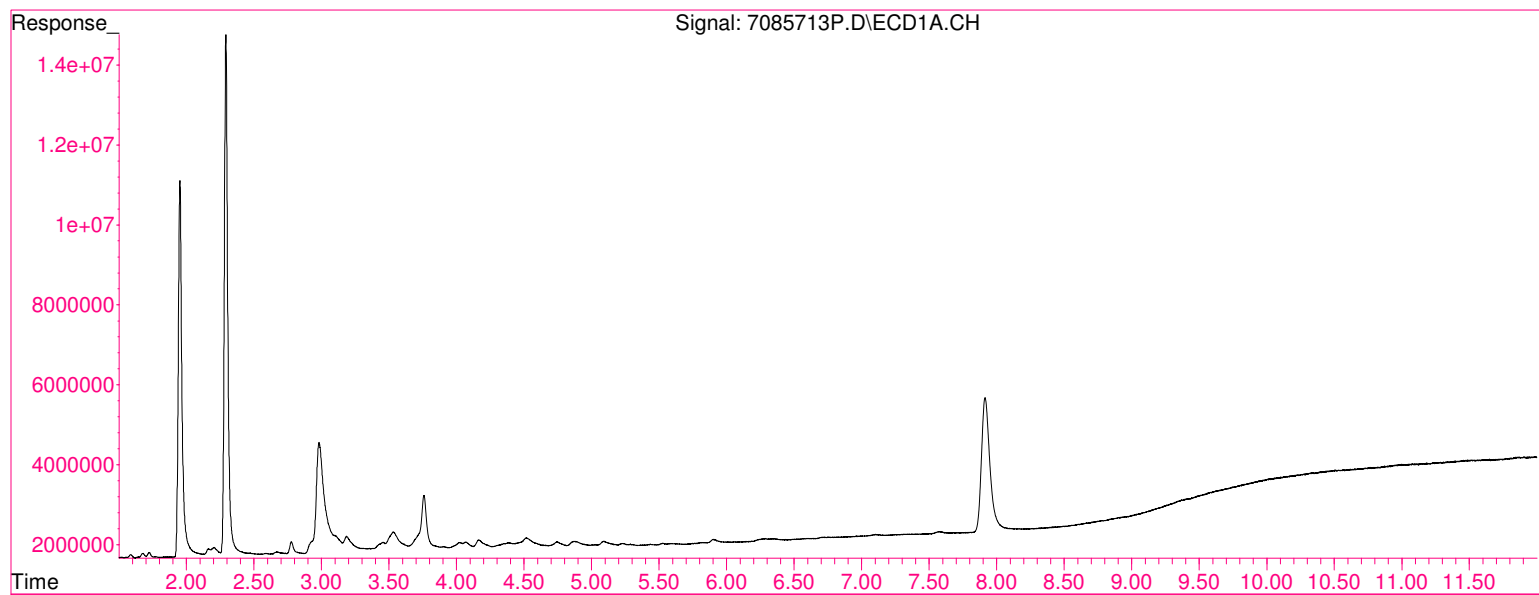
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Instrument : HP G1530A
Sample Name: SB70857-15 @ SP3-05
Misc Info : ????????
Vial Number: 89



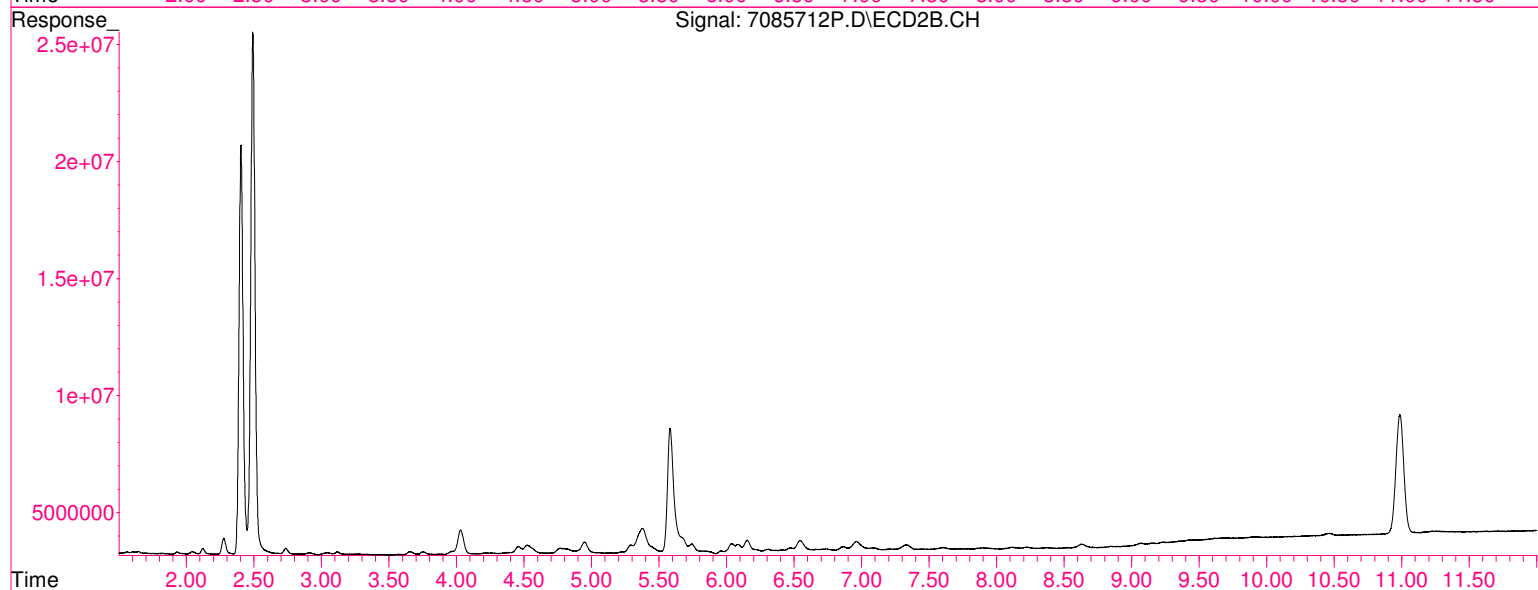
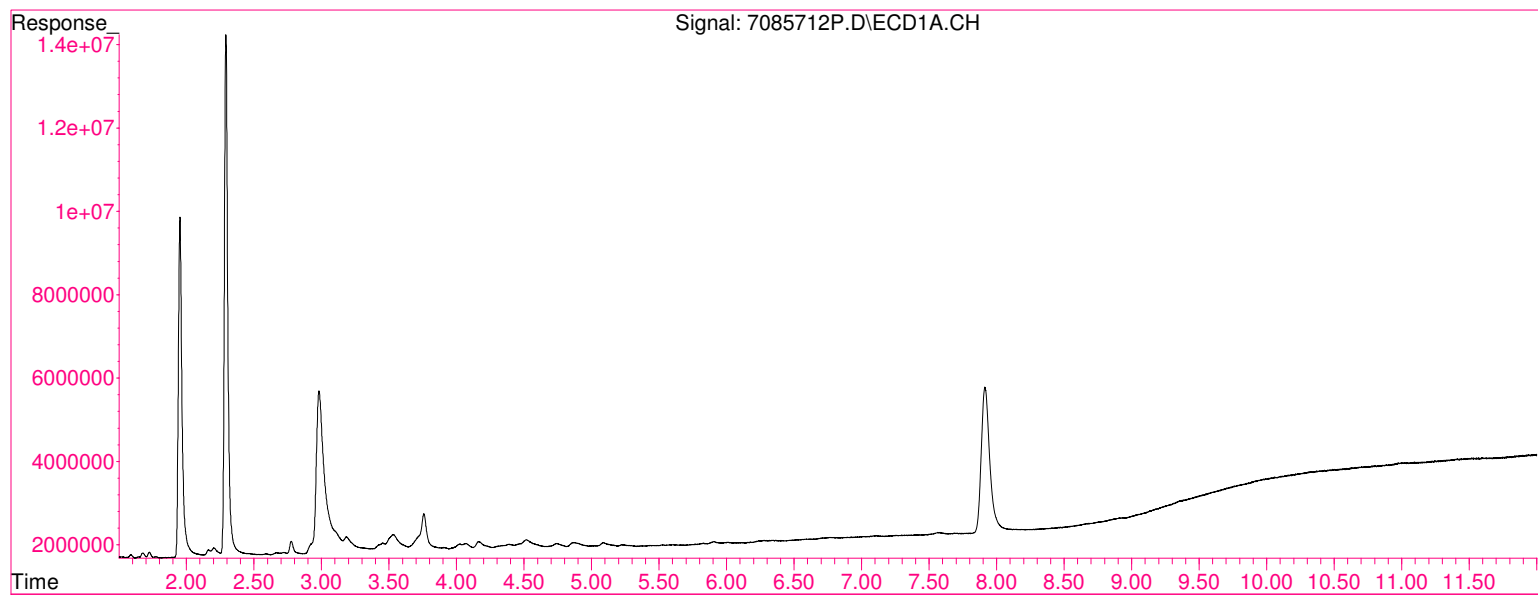
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Instrument : HP G1530A
Sample Name: SB70857-14 @ SP3-04
Misc Info : ????????
Vial Number: 88



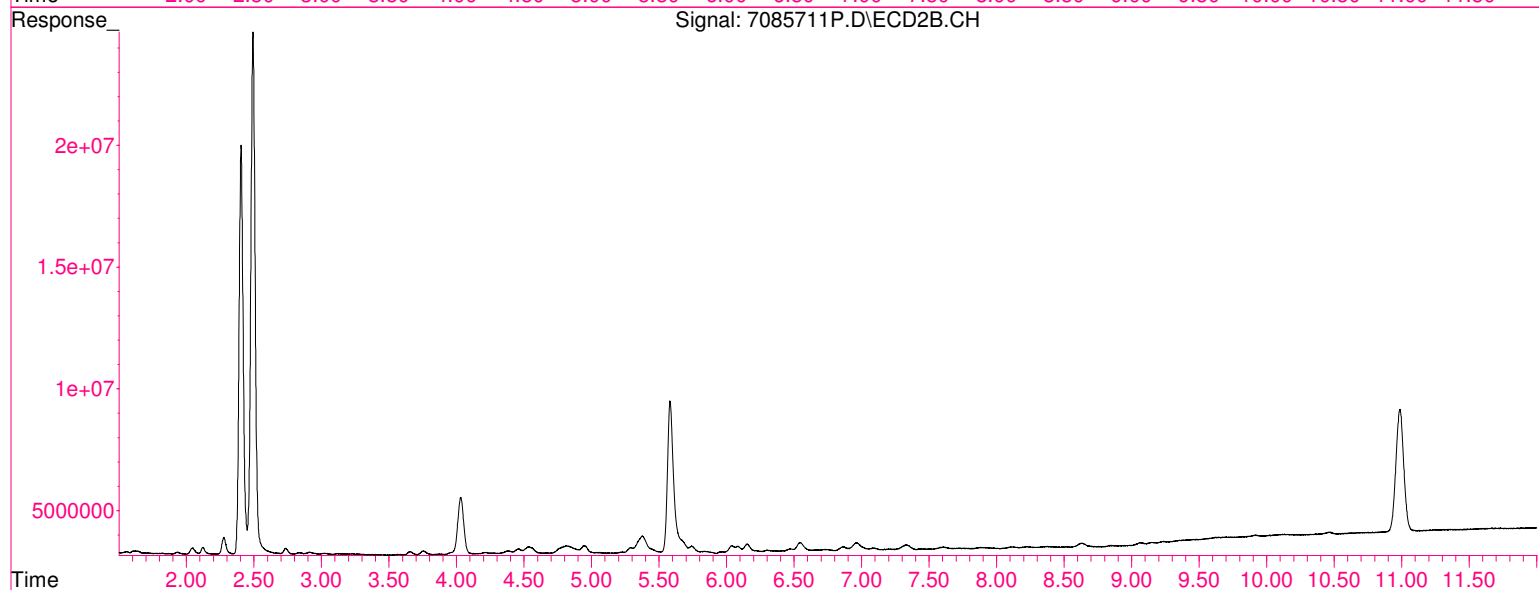
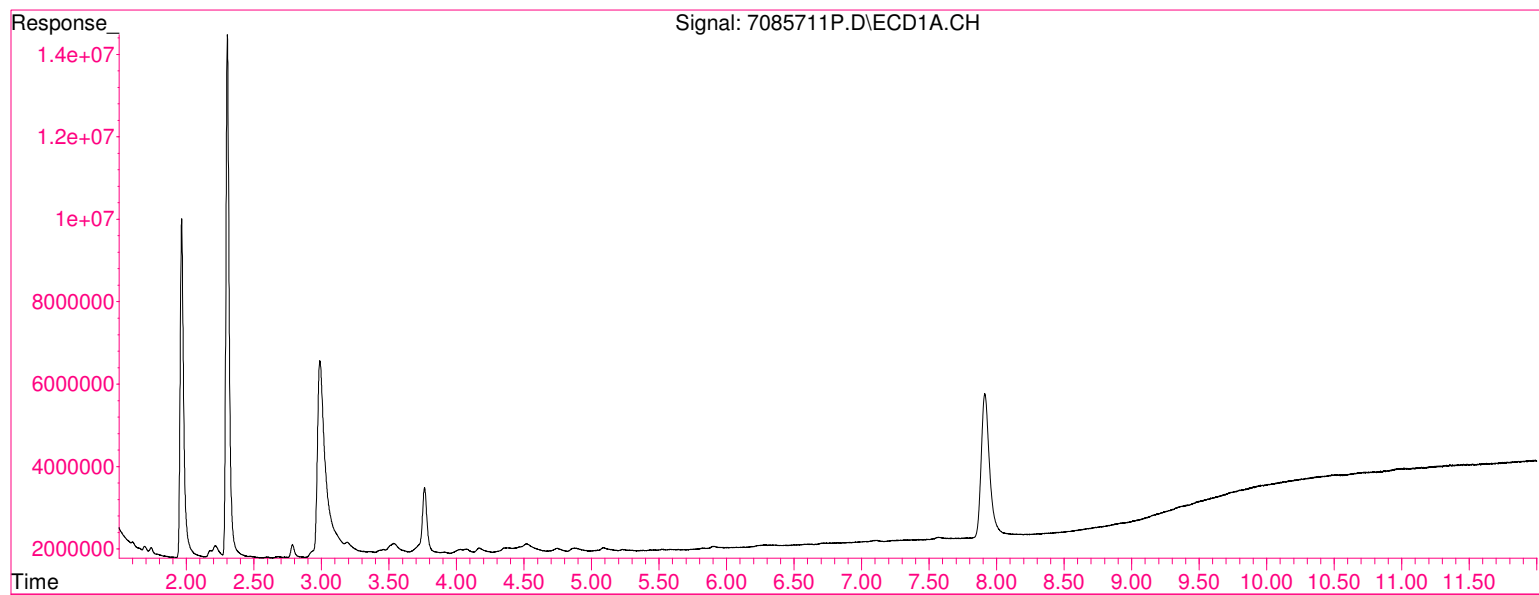
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Sample Name: SB70857-13 @ SP3-03
Misc Info : ????????
Vial Number: 87



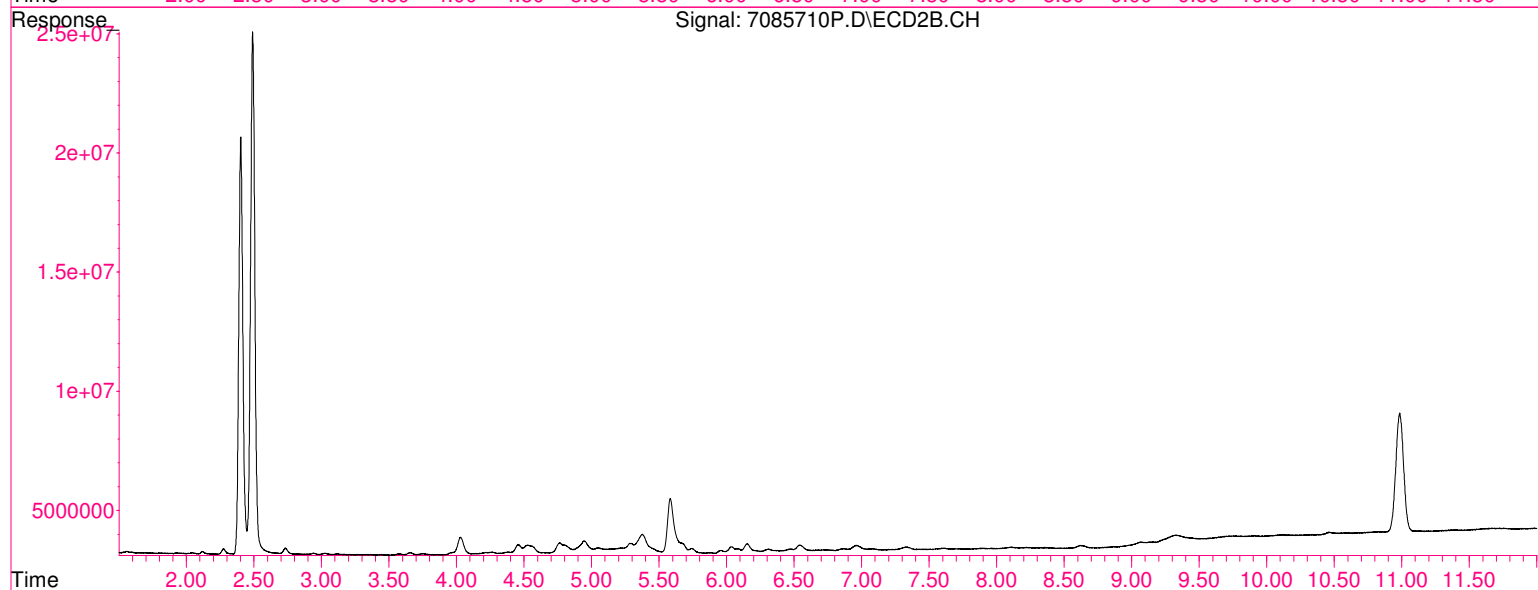
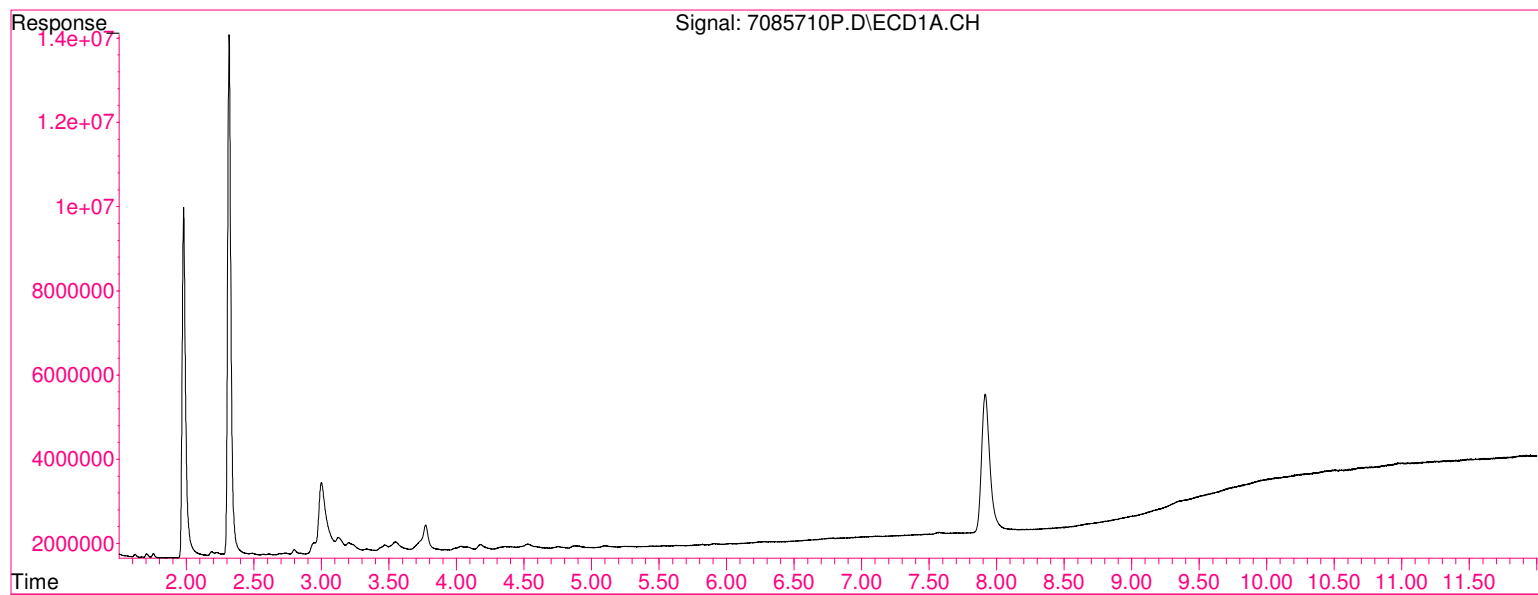
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Sample Name: SB70857-12 @ SP3-02
Misc Info : ????????
Vial Number: 86



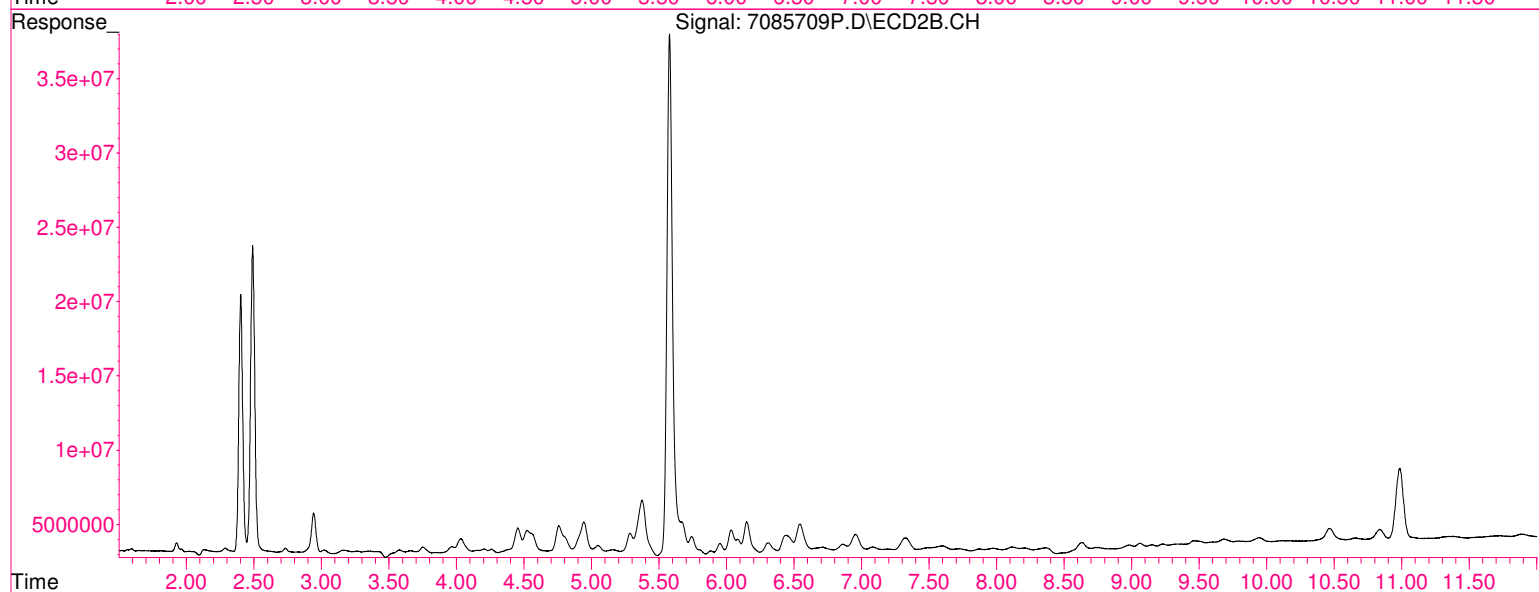
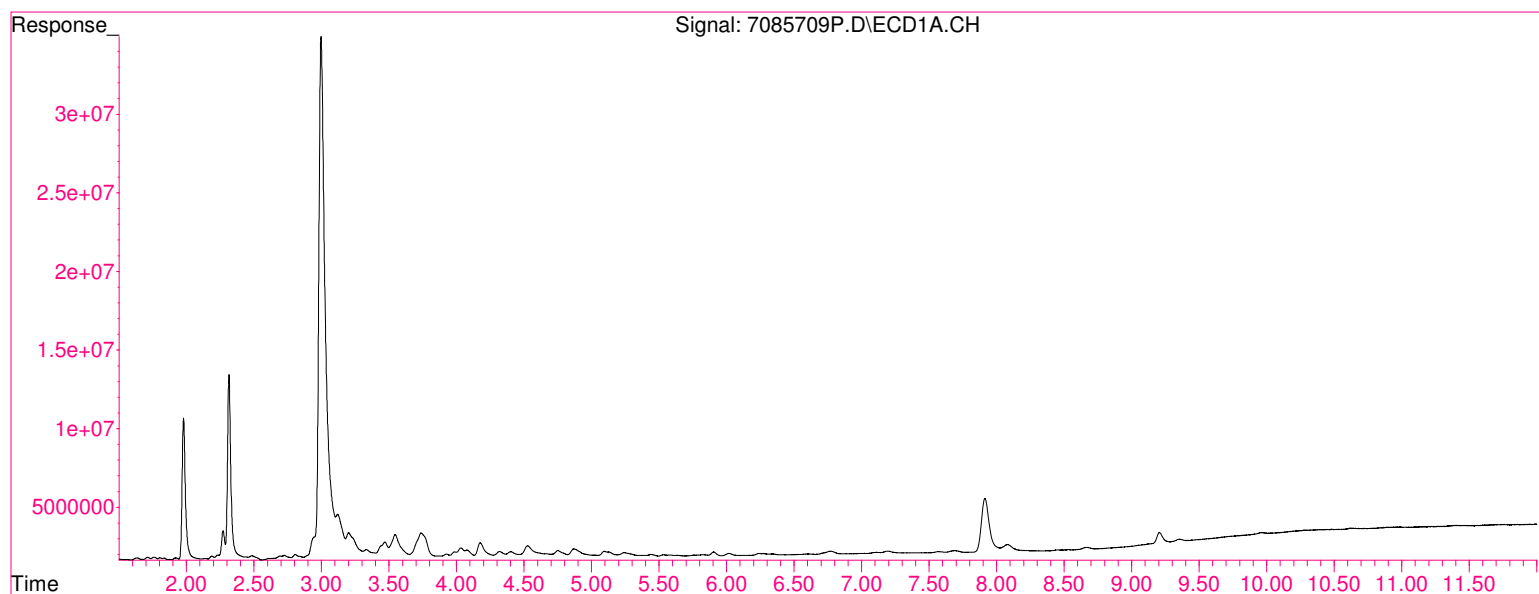
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Instrument : HP G1530A
Sample Name: SB70857-11 @ SP3-01
Misc Info : ????????
Vial Number: 85



File :G:\Jun2013\HPS11\data\PCB110611\7085710P.D
Operator : BLM
Acquired : 12 Jun 2013 5:39 pm using AcqMethod 60110424.M
Instrument : HP G1530A
Sample Name: SB70857-10 @ SP2-10
Misc Info : ????????
Vial Number: 84

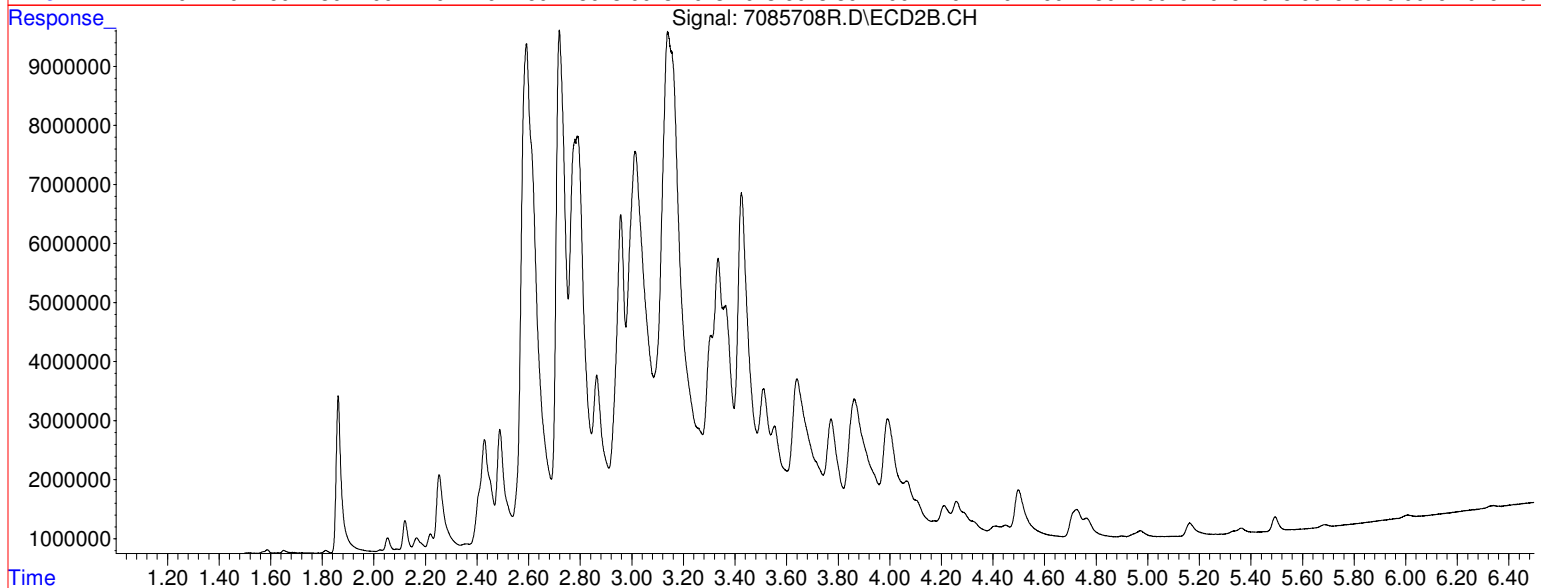
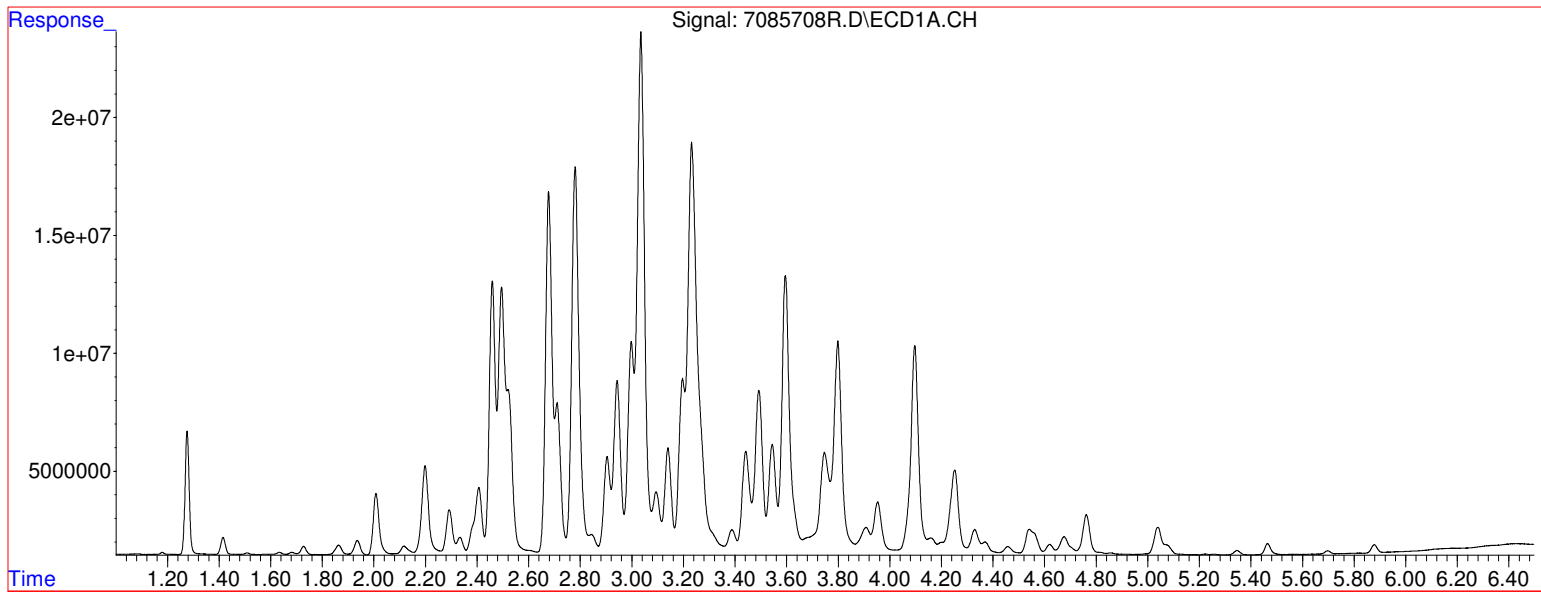


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Instrument : HP G1530A
Sample Name: SB70857-09 @ SP2-09
Misc Info : ????????
Vial Number: 83



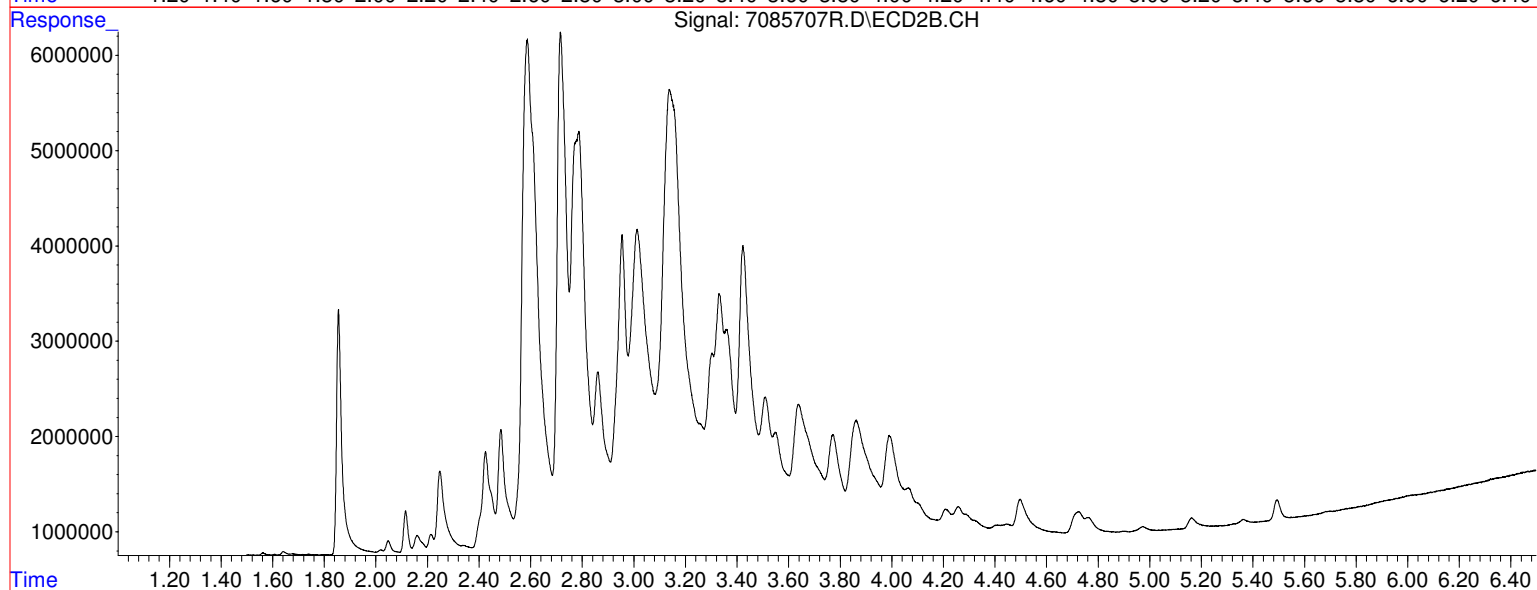
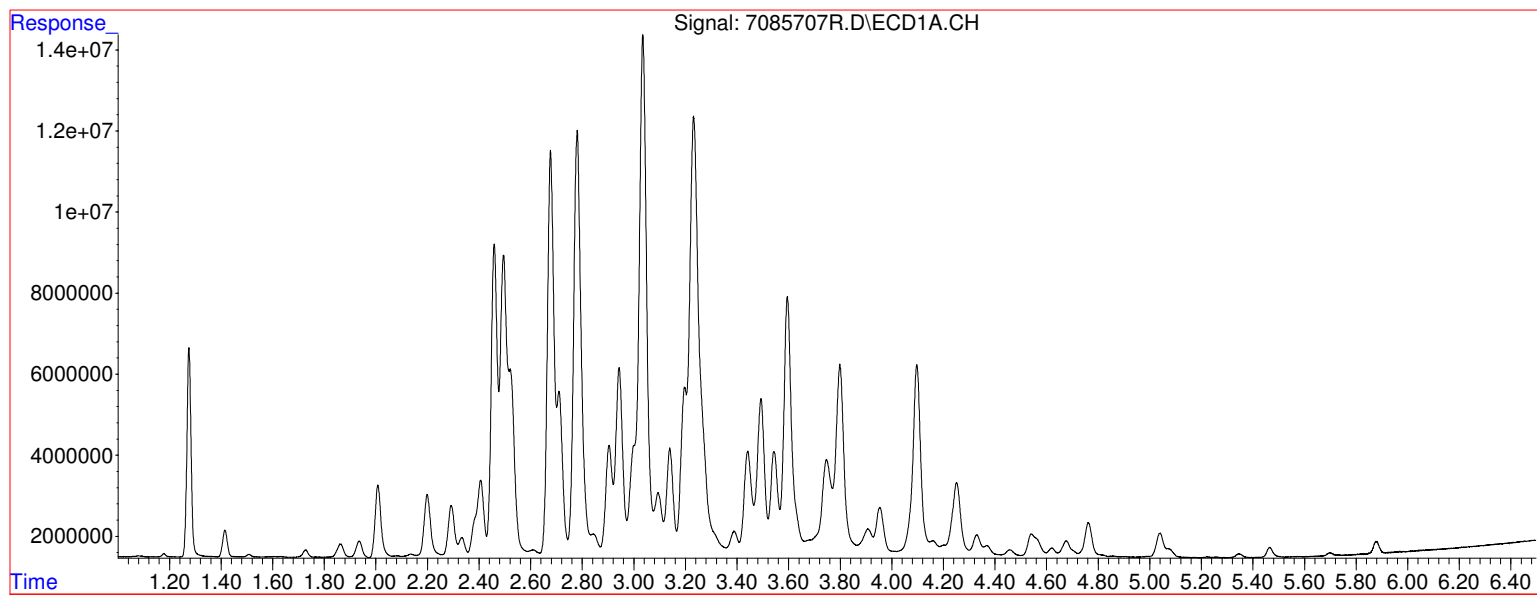
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Sample Name: SB70857-08 @ SP2-08
Misc Info : 1:10 DIL
Vial Number: 93

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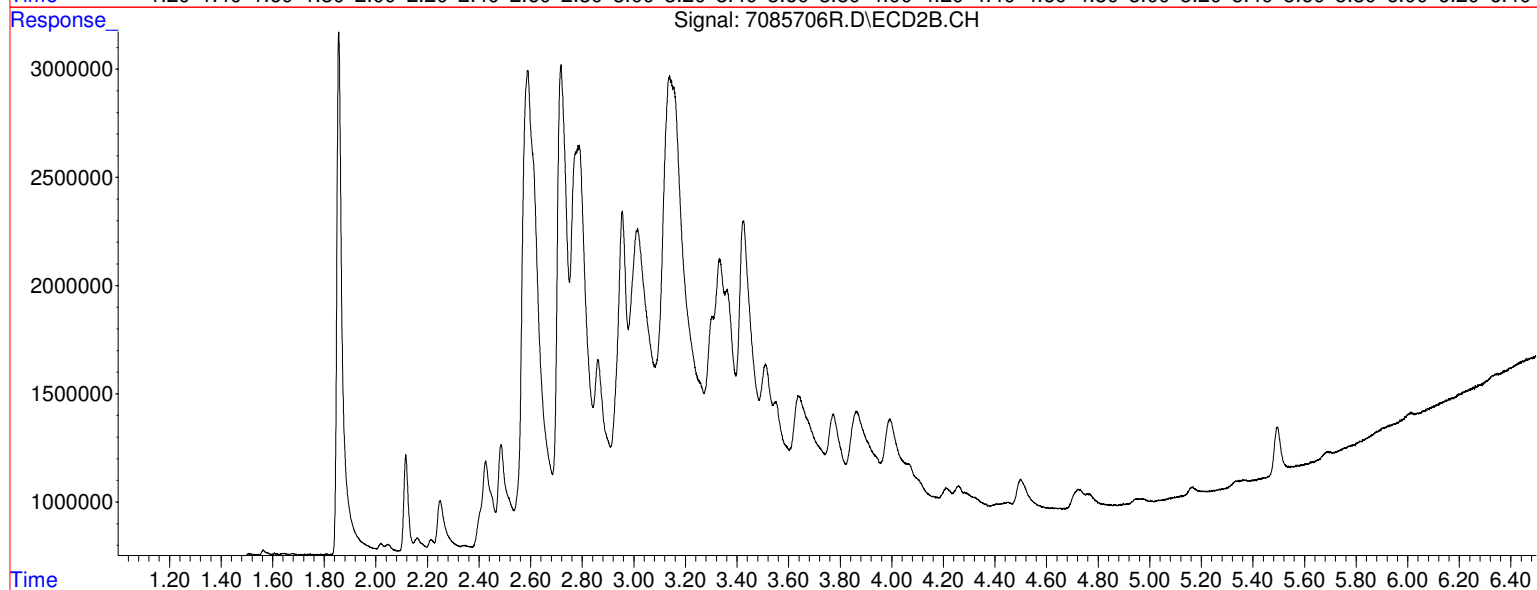
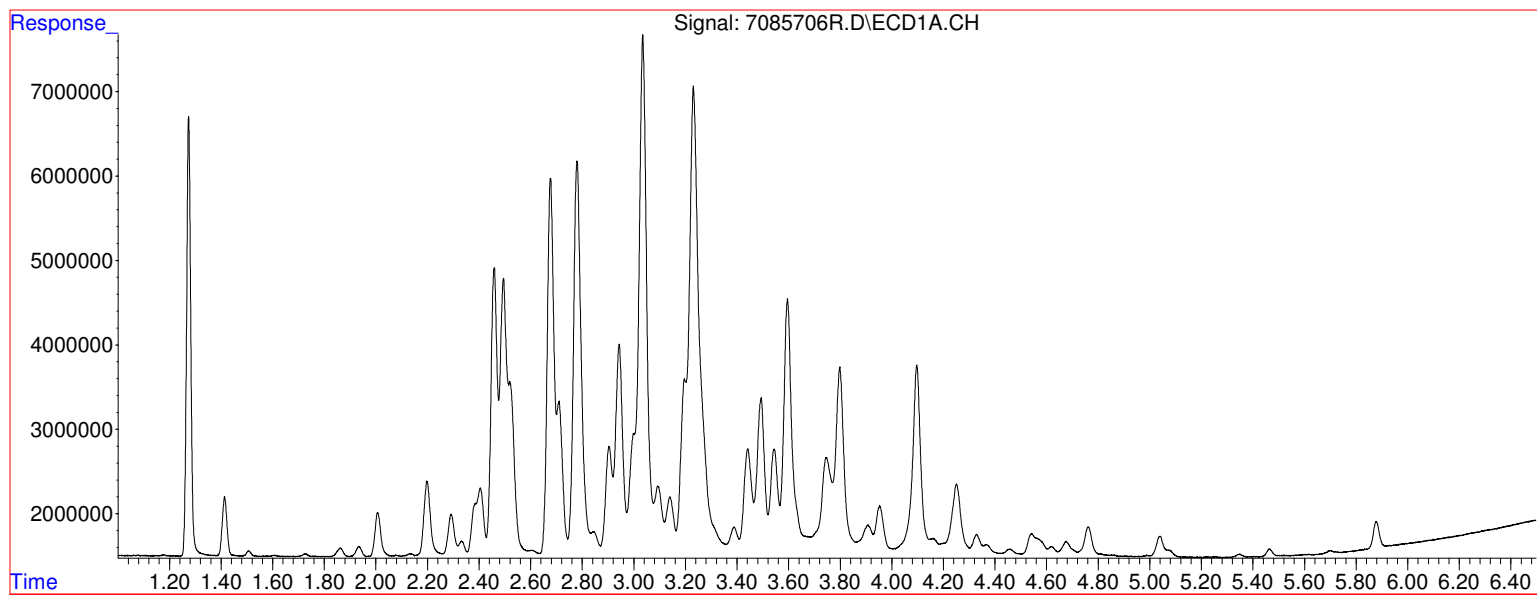
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Instrument : HP G1530A
Sample Name: SB70857-07 @ SP2-07
Misc Info : 1:10 DIL
Vial Number: 92

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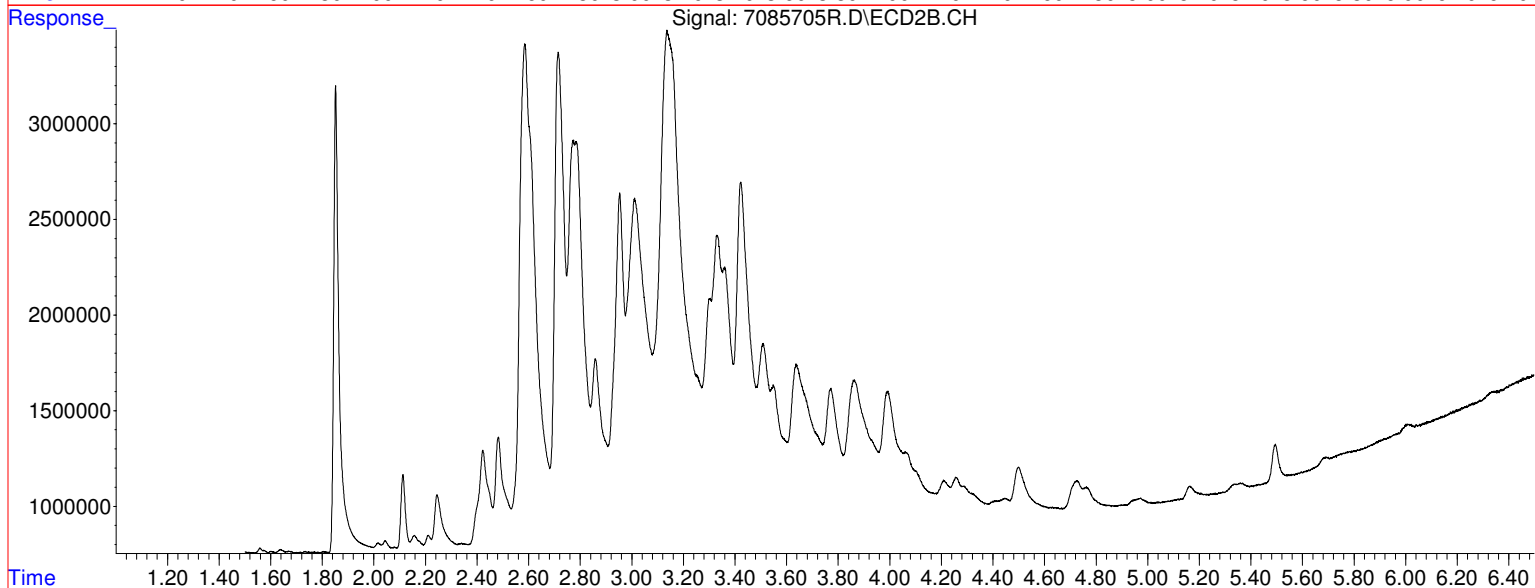
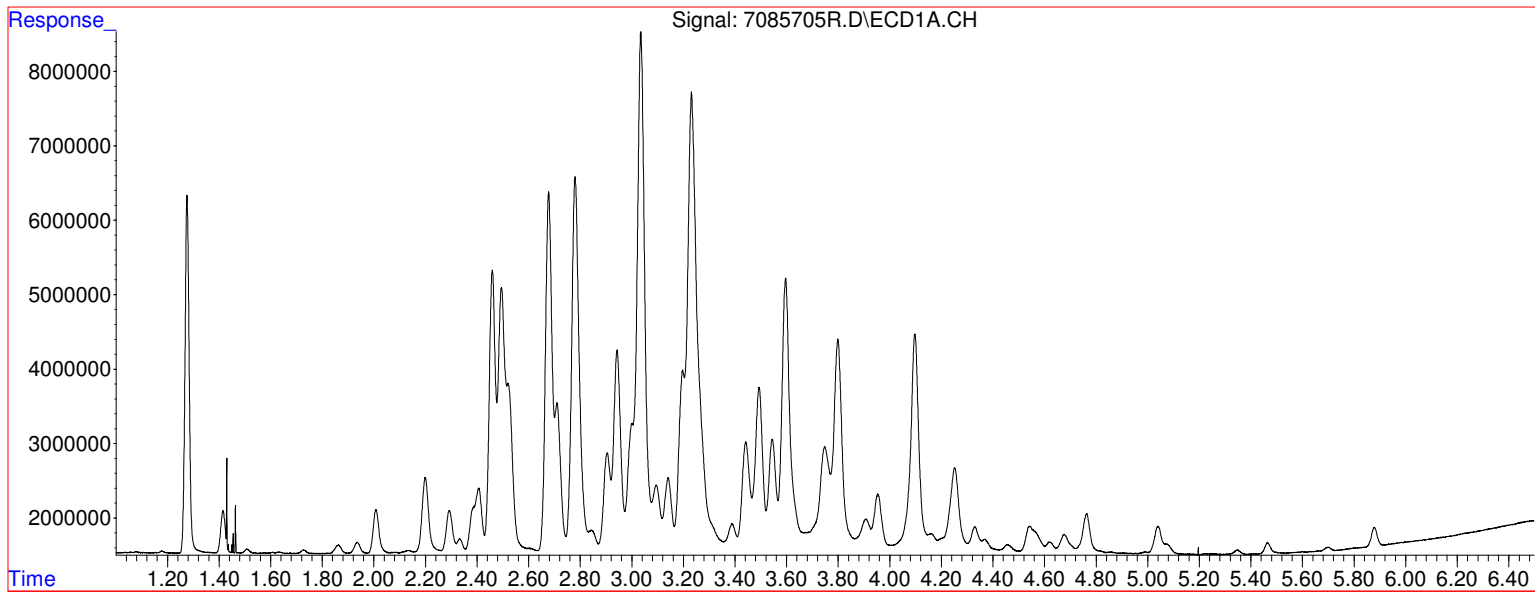
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Instrument : HP G1530A
Sample Name: SB70857-06 @ SP2-06
Misc Info : 1:10 DIL
Vial Number: 91

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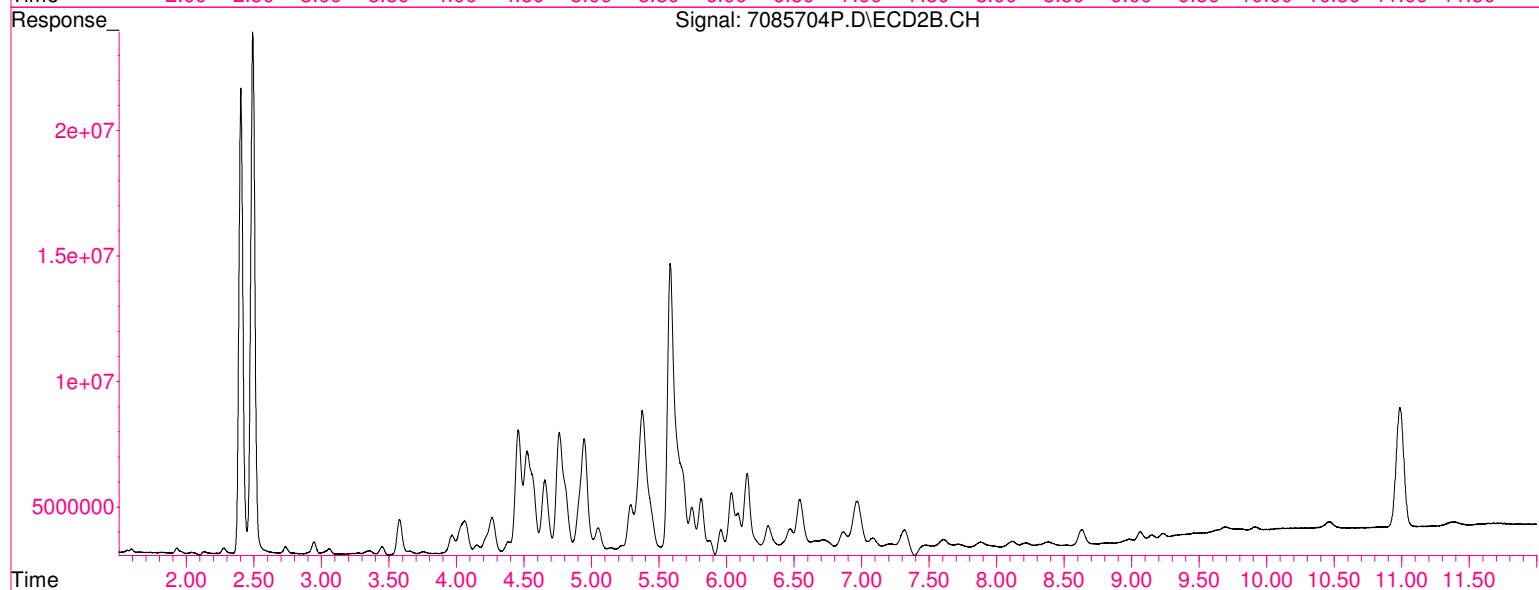
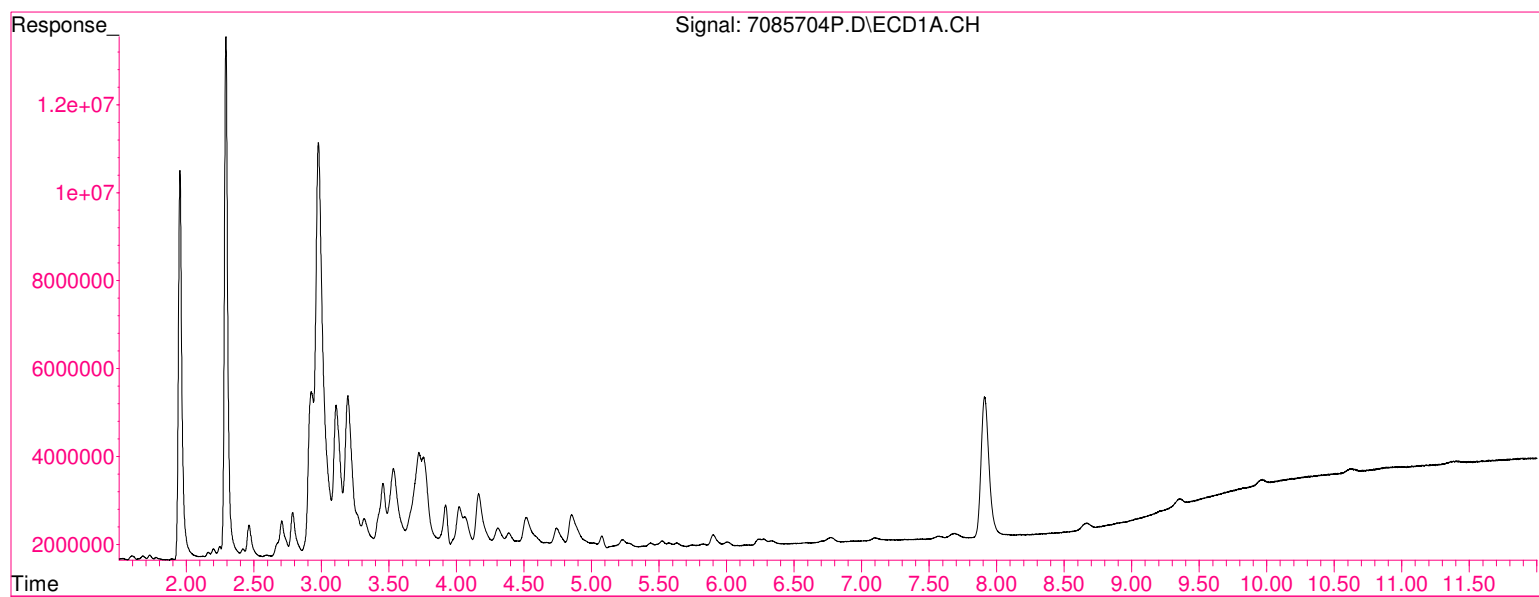


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Acquired : 13 Jun 2013 11:25 am using AcqMethod 60120306.M
Instrument : HP G1530A
Sample Name: SB70857-05 @ SP2-05
Misc Info : 1:10 DIL
Vial Number: 90

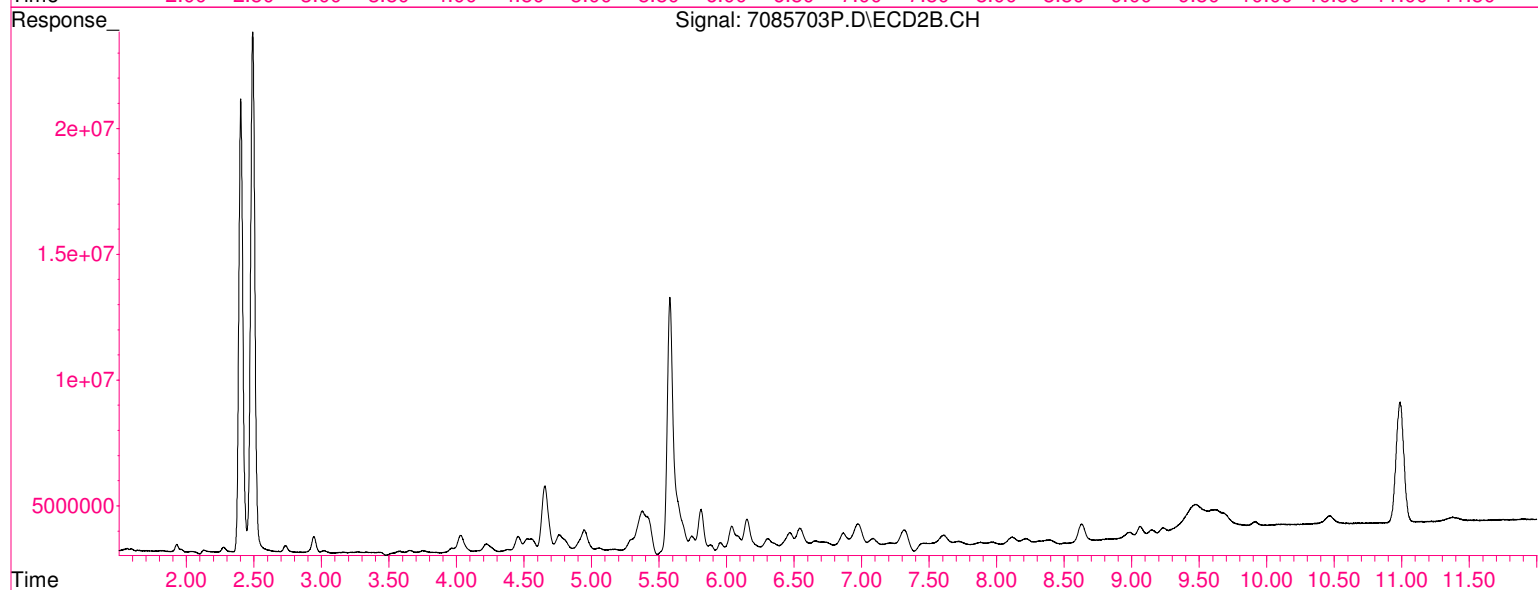
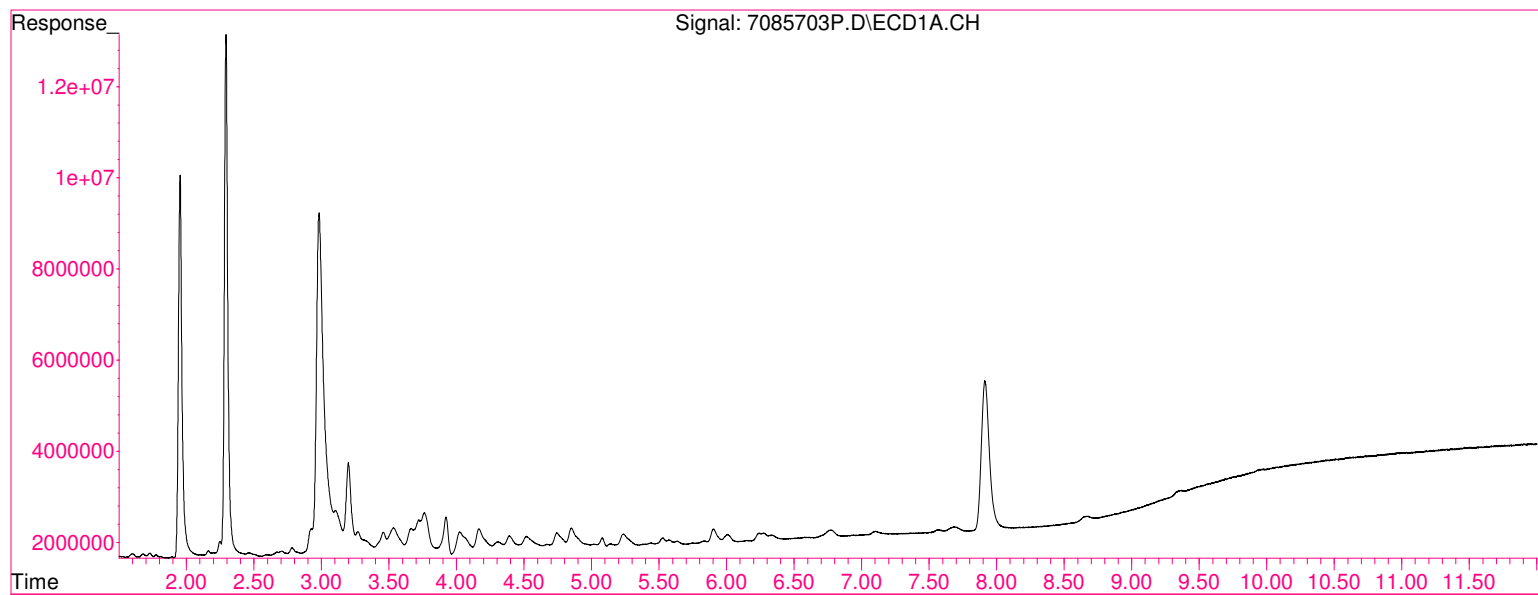
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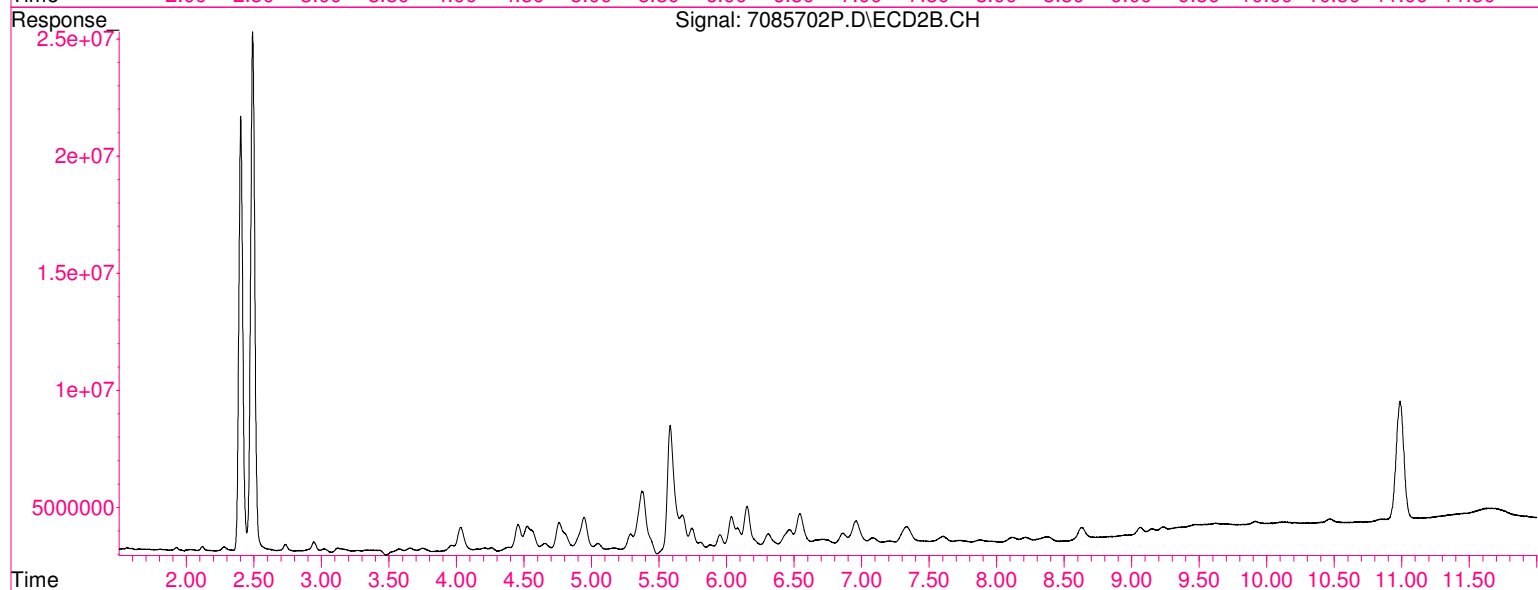
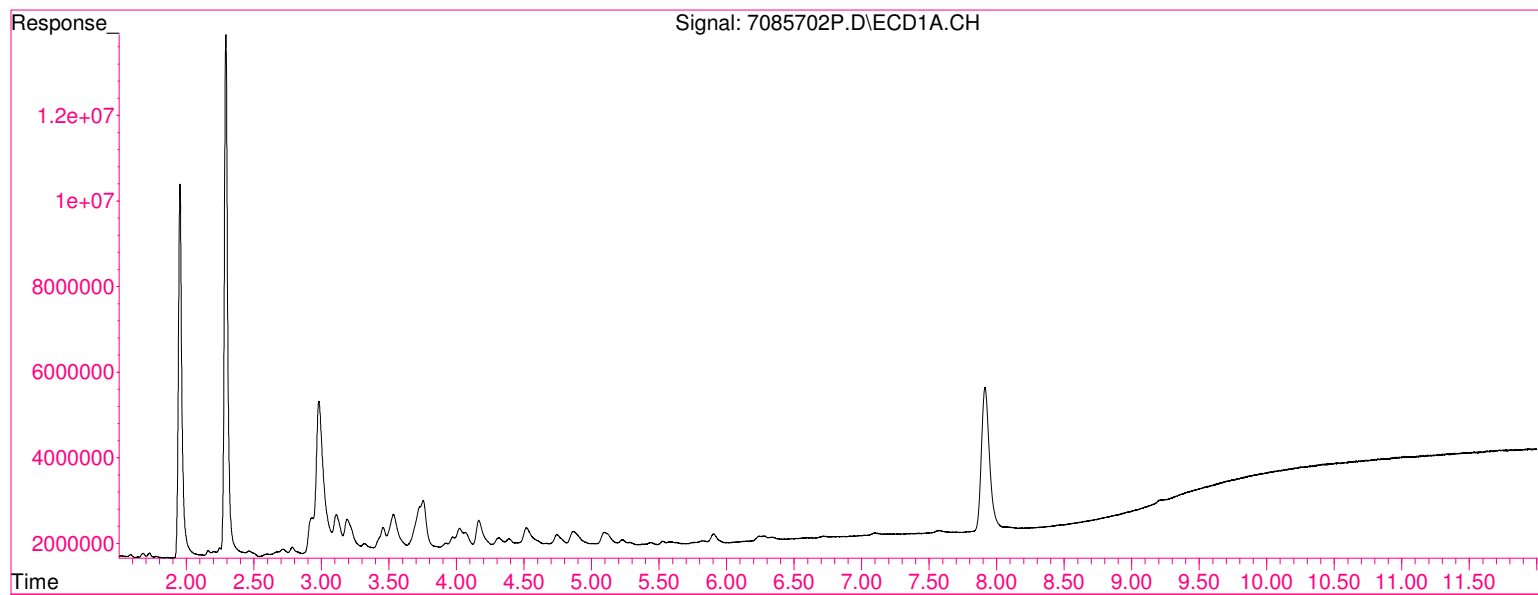
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Operator : BLM
Acquired : 12 Jun 2013 2:50 pm using AcqMethod 60110424.M
Instrument : HP G1530A
Sample Name: SB70857-04 @ SP2-04
Misc Info : ????????
Vial Number: 73



File :G:\Jun2013\HPS11\data\PCB110611\7085703P.D
Operator : BLM
Acquired : 12 Jun 2013 2:34 pm using AcqMethod 60110424.M
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Sample Name: SB70857-03 @ SP2-03
Misc Info : ????????
Vial Number: 72

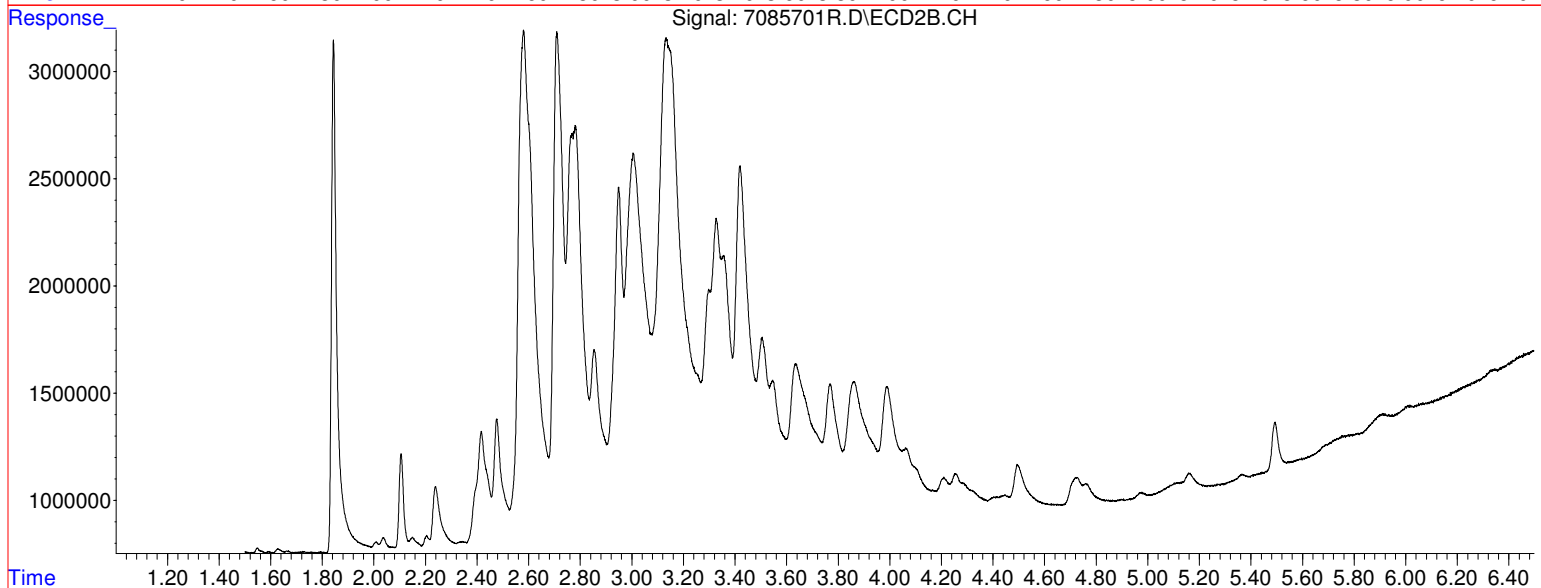
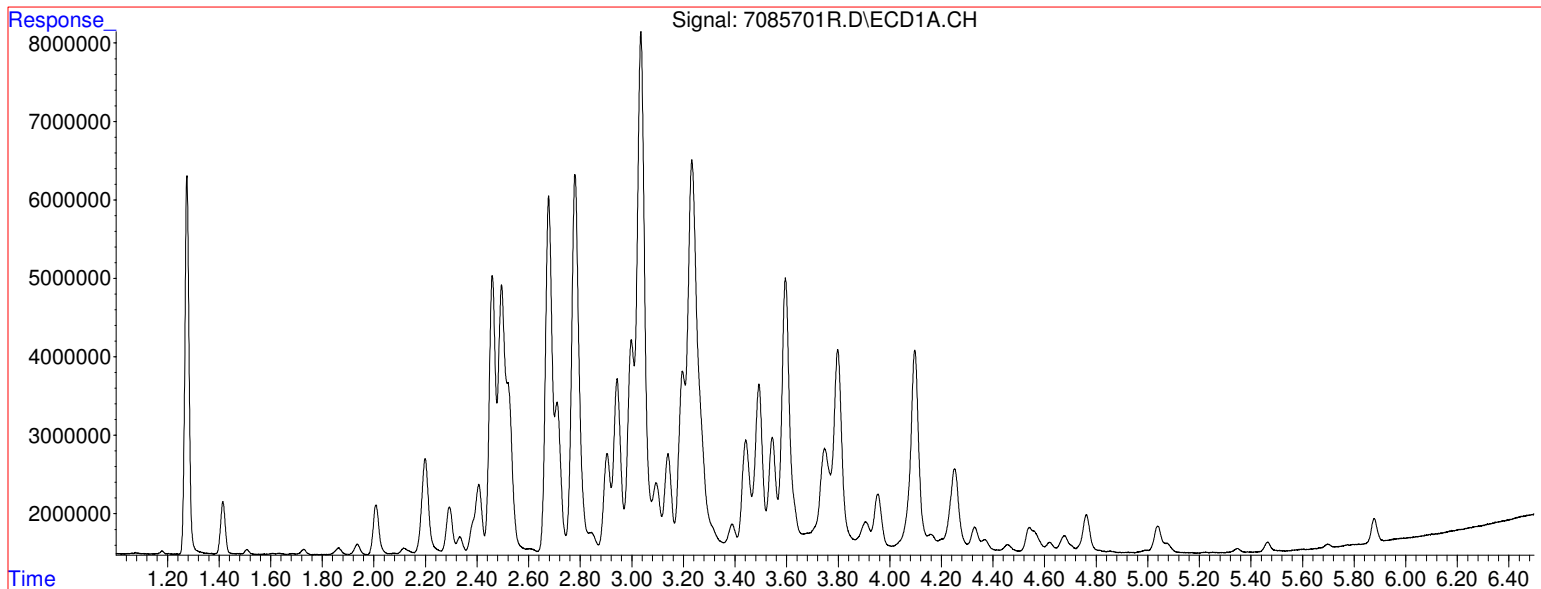


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Operator : BLM
Acquired : 12 Jun 2013 2:19 pm using AcqMethod 60110424.M
Instrument : HP G1530A
Sample Name: SB70857-02 @ SP2-02
Misc Info : ????????
Vial Number: 71

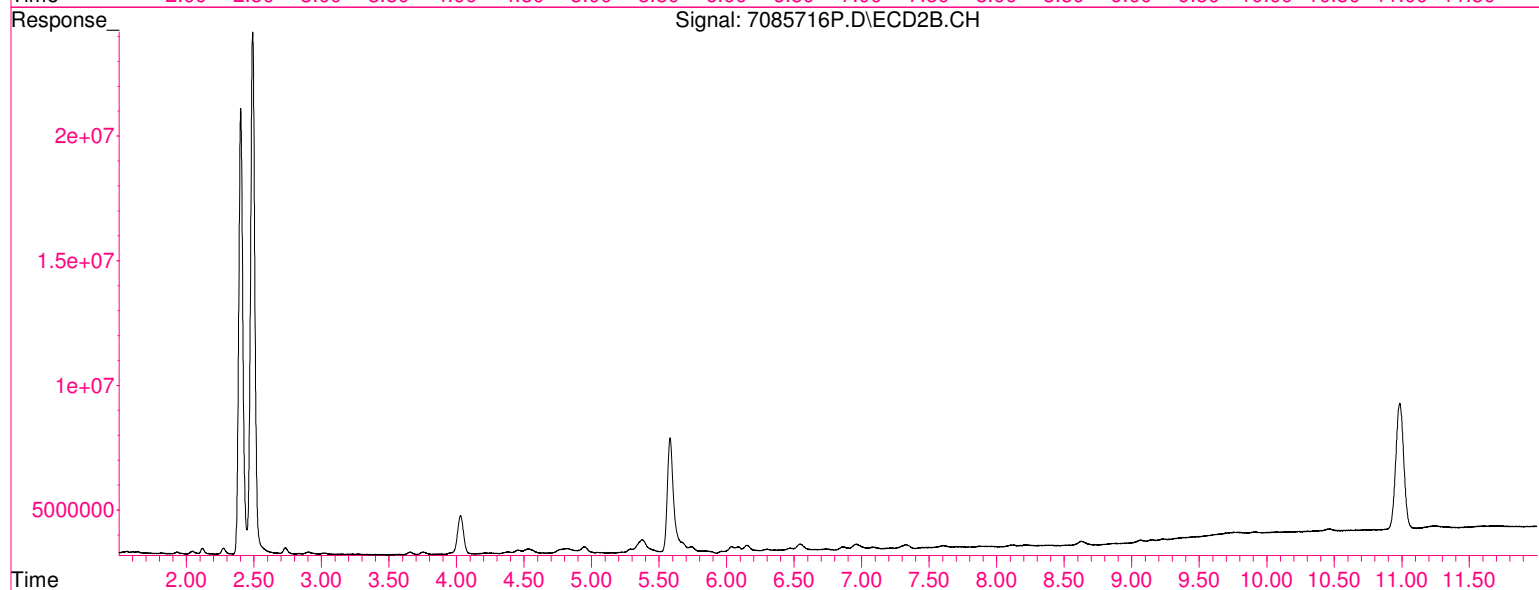
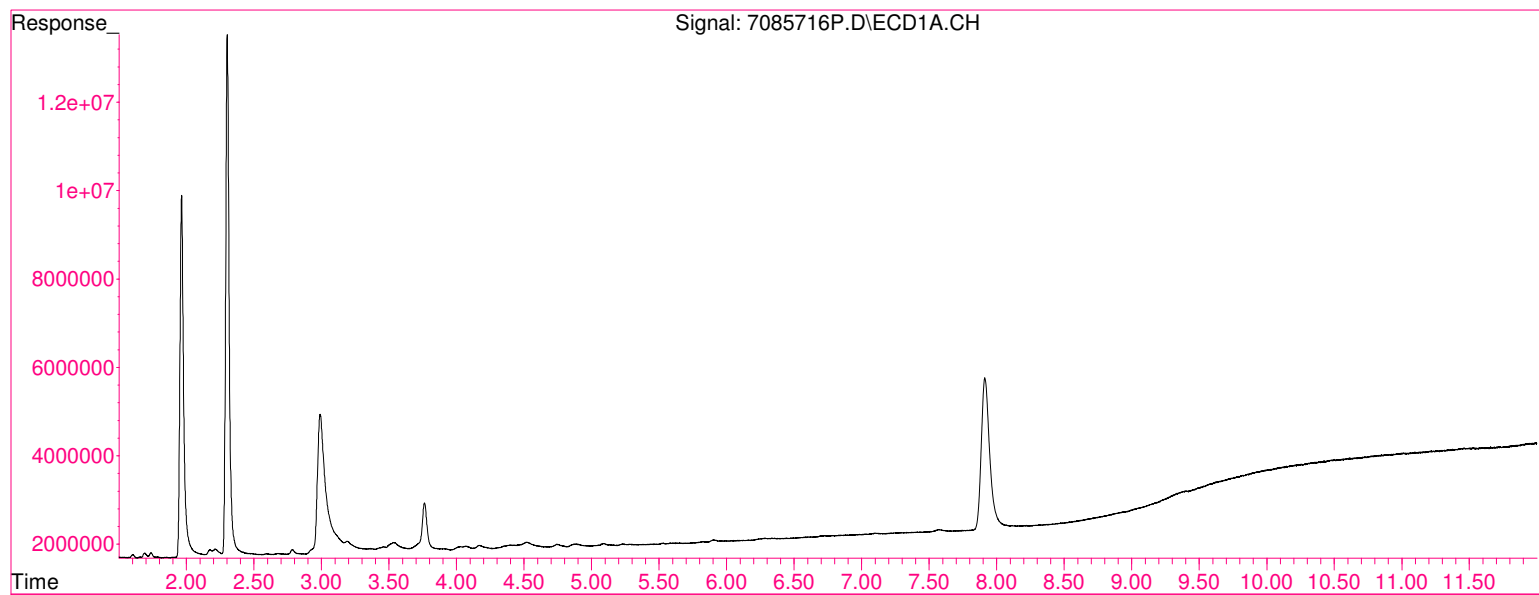


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Operator : IMR
Acquired : 13 Jun 2013 11:15 am using AcqMethod 60120306.M
Instrument : HP G1530A
Sample Name: SB70857-01 @ SP2-01
Misc Info : 1:10 DIL
Vial Number: 89

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File :G:\Jun2013\HPS11\data\PCB110611\7085716P.D
Operator : BLM
Acquired : 12 Jun 2013 7:11 pm using AcqMethod 60110424.M
Instrument : HP G1530A
Sample Name: SB70857-16 @ SP3-06
Misc Info : ????????
Vial Number: 90





CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:

- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: RICHARD MCKENNA
AECC
6308 FLY RD
EAST STRACUSE, NY 13057
 Telephone #: 315 432 9400
 Project Mgr. _____

Invoice To: ACTS PAYABLE
SAME ADDRESS
 P.O. No.: 13-067 RQN: _____

Project No.: 13-067
 Site Name: WBP
 Location: COLLAMER State: NY
 Sampler(s): RICHARD D MCKENNA

List preservative code below:

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

QA/QC Reporting Notes:

* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1= _____ X2= _____ X3= _____

Containers:

Analyses:

MA DEP MCP CAM Report: Yes ☐ No ☐

CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level

- ☒ Standard ☐ No QC ☐ DQA*
- ☐ NY ASP A* ☐ NY ASP B*
- ☐ NJ Reduced* ☐ NJ Full*
- ☐ TIER II* ☐ TIER IV*
- ☐ Other _____

State-specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8052 PCB									
10057-01	SP2-01	5/31/13	1:40	G	SO		1												
02	SP2-02	"	1:45	"	"		"												
03	SP2-03	"	1:50	"	"		"												
04	SP2-04	"	1:55	"	"		"												
05	SP2-05	"	2:00	"	"		"												
06	SP2-06	"	2:05	"	"		"												
07	SP2-07	"	2:10	"	"		"												
08	SP2-08	"	2:15	"	"		"												
09	SP2-09	"	2:20	"	"		"												
10	SP2-10	"	2:25	"	"		"												

Relinquished by:

Received by:

Date:

Time:

Temp°C

☒ EDD Format

EXCEL, PDF

☒ E-mail to

rmckenna@aeccgroup.com

Condition upon receipt:

☐ Ambient ☒ Iced ☐ Refrigerated ☐ D1 VOA Frozen ☐ Soil Jar Frozen



CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:

- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: RICHARD MCKENNA
AECC
6308 FLY RD
EAST SYRACUSE, NY 13057
 Telephone #: 315 432 9400
 Project Mgr. _____

Invoice To: ACCTS PAYABLE
SAME ADDRESS
 P.O. No.: 13-067 RQN: _____

Project No.: 13-067
 Site Name: WBP
 Location: COLLAMER State: NY
 Sampler(s): RICHARD D MCKENNA

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11=_____ 12=_____

List preservative code below:

QA/QC Reporting Notes:
 * additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1=_____ X2=_____ X3=_____

Containers:

Analyses:

MA DEP MCP CAM Report: Yes ☐ No ☐
 CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level

- ☒ Standard ☐ No QC ☐ DQA*
- ☐ NY ASP A* ☐ NY ASP B*
- ☐ NJ Reduced* ☐ NJ Full*
- ☐ TIER II* ☐ TIER IV*
- ☐ Other _____

State-specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic										
<u>10857-11</u>	<u>SP3-01</u>	<u>5/31/13</u>	<u>3:00</u>	<u>G</u>	<u>SO</u>		<u>1</u>												
<u>12</u>	<u>SP3-02</u>	<u>"</u>	<u>3:05</u>	<u>"</u>	<u>"</u>		<u>"</u>												
<u>13</u>	<u>SP3-03</u>	<u>"</u>	<u>3:10</u>	<u>"</u>	<u>"</u>		<u>"</u>												
<u>14</u>	<u>SP3-04</u>	<u>"</u>	<u>3:15</u>	<u>"</u>	<u>"</u>		<u>"</u>												
<u>15</u>	<u>SP3-05</u>	<u>"</u>	<u>3:20</u>	<u>"</u>	<u>"</u>		<u>"</u>												
<u>16</u>	<u>SP3-06</u>	<u>"</u>	<u>3:25</u>	<u>"</u>	<u>"</u>		<u>"</u>												

Relinquished by:

Received by:

Date:

Time:

Temp °C

- ☒ EDD Format EXCEL, PDF
- ☒ E-mail to rmckenna@aeccgroup.com

Condition upon receipt:

- ☐ Ambient ☒ Iced ☐ Refrigerated ☐ D/VOA Frozen ☐ Soil Jar Frozen

Report Date:
05-Jan-15 13:54



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

AECC Environmental Consulting
6308 Fly Road
East Syracuse, NY 13057
Attn: Rich McKenna

Project: Woodbine Business Park - Dewitt, NY
Project #: 14-091

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SC01849-01	SP3-07	Soil	29-Dec-14 09:30	29-Dec-14 21:00
SC01849-02	SP3-08	Soil	29-Dec-14 09:35	29-Dec-14 21:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 8 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, NJ-MA012, PA-68-04426 and FL-E87936).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

Data has been reported to the MDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the detection limit are reported as "<" (less than) the detection limit in this report.

The samples were received 3.9 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Acceptance Check Form

Client: AECC Environmental Consulting
Project: Woodbine Business Park - Dewitt, NY / 14-091
Work Order: SC01849
Sample(s) received on: 12/29/2014

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were custody seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were samples received at a temperature of $\leq 6^{\circ}\text{C}$?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples cooled on ice upon transfer to laboratory representative?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were sample containers received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples accompanied by a Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did sample container labels agree with Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples received within method-specific holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Identification

SP3-07

SC01849-01

Client Project #

14-091

Matrix

Soil

Collection Date/Time

29-Dec-14 09:30

Received

29-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 25.7	U	µg/kg dry	27.6	25.7	1	SW846 8082A	31-Dec-14	02-Jan-15	IMR	1430416	X
11104-28-2	Aroclor-1221	< 23.5	U	µg/kg dry	27.6	23.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.8	U	µg/kg dry	27.6	24.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.3	U	µg/kg dry	27.6	12.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 15.0	U	µg/kg dry	27.6	15.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 17.4	U	µg/kg dry	27.6	17.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 19.7	U	µg/kg dry	27.6	19.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.9	U	µg/kg dry	27.6	14.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 27.1	U	µg/kg dry	27.6	27.1	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	120			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	71.3	%					1	SM2540 G Mod.	31-Dec-14	31-Dec-14	BD	1430437	
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This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

SP3-08

SC01849-02

Client Project #

14-091

Matrix

Soil

Collection Date/Time

29-Dec-14 09:35

Received

29-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 24.5	U	µg/kg dry	26.2	24.5	1	SW846 8082A	31-Dec-14	02-Jan-15	IMR	1430416	X
11104-28-2	Aroclor-1221	< 22.3	U	µg/kg dry	26.2	22.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.6	U	µg/kg dry	26.2	23.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 11.7	U	µg/kg dry	26.2	11.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.3	U	µg/kg dry	26.2	14.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 16.5	U	µg/kg dry	26.2	16.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 18.8	U	µg/kg dry	26.2	18.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.2	U	µg/kg dry	26.2	14.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.8	U	µg/kg dry	26.2	25.8	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	71.8	%					1	SM2540 G Mod.	31-Dec-14	31-Dec-14	BD	1430437	
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This laboratory report is not valid without an authorized signature on the cover page.

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1430416 - SW846 3540C										
Blank (1430416-BLK1)					<u>Prepared: 31-Dec-14 Analyzed: 02-Jan-15</u>					
Aroclor-1016	< 17.5	U	µg/kg wet	17.5						
Aroclor-1016 [2C]	< 12.1	U	µg/kg wet	12.1						
Aroclor-1221	< 15.9	U	µg/kg wet	15.9						
Aroclor-1221 [2C]	< 13.8	U	µg/kg wet	13.8						
Aroclor-1232	< 16.8	U	µg/kg wet	16.8						
Aroclor-1232 [2C]	< 14.4	U	µg/kg wet	14.4						
Aroclor-1242	< 8.33	U	µg/kg wet	8.33						
Aroclor-1242 [2C]	< 14.6	U	µg/kg wet	14.6						
Aroclor-1248	< 10.2	U	µg/kg wet	10.2						
Aroclor-1248 [2C]	< 10.3	U	µg/kg wet	10.3						
Aroclor-1254	< 11.8	U	µg/kg wet	11.8						
Aroclor-1254 [2C]	< 11.2	U	µg/kg wet	11.2						
Aroclor-1260	< 13.4	U	µg/kg wet	13.4						
Aroclor-1260 [2C]	< 17.8	U	µg/kg wet	17.8						
Aroclor-1262	< 10.2	U	µg/kg wet	10.2						
Aroclor-1262 [2C]	< 9.37	U	µg/kg wet	9.37						
Aroclor-1268	< 18.4	U	µg/kg wet	18.4						
Aroclor-1268 [2C]	< 18.0	U	µg/kg wet	18.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	15.0		µg/kg wet		18.7		80	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	16.9		µg/kg wet		18.7		90	30-150		
Surrogate: Decachlorobiphenyl (Sr)	15.9		µg/kg wet		18.7		85	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	16.9		µg/kg wet		18.7		90	30-150		
LCS (1430416-BS1)					<u>Prepared: 31-Dec-14 Analyzed: 02-Jan-15</u>					
Aroclor-1016	222		µg/kg wet	17.1	229		97	40-140		
Aroclor-1016 [2C]	194		µg/kg wet	11.9	229		85	40-140		
Aroclor-1260	199		µg/kg wet	13.1	229		87	40-140		
Aroclor-1260 [2C]	172		µg/kg wet	17.4	229		75	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	19.2		µg/kg wet		18.3		105	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	18.3		µg/kg wet		18.3		100	30-150		
Surrogate: Decachlorobiphenyl (Sr)	19.2		µg/kg wet		18.3		105	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	18.3		µg/kg wet		18.3		100	30-150		
LCS Dup (1430416-BSD1)					<u>Prepared: 31-Dec-14 Analyzed: 02-Jan-15</u>					
Aroclor-1016	240		µg/kg wet	18.3	244		98	40-140	1	30
Aroclor-1016 [2C]	211		µg/kg wet	12.7	244		86	40-140	2	30
Aroclor-1260	208		µg/kg wet	14.0	244		85	40-140	2	30
Aroclor-1260 [2C]	177		µg/kg wet	18.5	244		72	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	20.5		µg/kg wet		19.6		105	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	19.6		µg/kg wet		19.6		100	30-150		
Surrogate: Decachlorobiphenyl (Sr)	19.6		µg/kg wet		19.6		100	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	18.6		µg/kg wet		19.6		95	30-150		
Matrix Spike (1430416-MS1)					Source: SC01849-01	<u>Prepared: 31-Dec-14 Analyzed: 02-Jan-15</u>				
Aroclor-1016	335		µg/kg dry	24.4	327	BRL	102	40-140		
Aroclor-1016 [2C]	320		µg/kg dry	16.9	327	BRL	98	40-140		
Aroclor-1260	290		µg/kg dry	18.7	327	BRL	89	40-140		
Aroclor-1260 [2C]	258		µg/kg dry	24.8	327	BRL	79	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	30.1		µg/kg dry		26.2		115	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	30.1		µg/kg dry		26.2		115	30-150		

This laboratory report is not valid without an authorized signature on the cover page.

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1430416 - SW846 3540C										
<u>Matrix Spike (1430416-MS1)</u>										
<u>Source: SC01849-01</u>										
<u>Prepared: 31-Dec-14 Analyzed: 02-Jan-15</u>										
Surrogate: Decachlorobiphenyl (Sr)	28.8		µg/kg dry		26.2		110	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	28.8		µg/kg dry		26.2		110	30-150		
<u>Matrix Spike Dup (1430416-MSD1)</u>										
<u>Source: SC01849-01</u>										
<u>Prepared: 31-Dec-14 Analyzed: 02-Jan-15</u>										
Aroclor-1016	338		µg/kg dry	24.0	321	BRL	105	40-140	3	30
Aroclor-1016 [2C]	297		µg/kg dry	16.7	321	BRL	92	40-140	6	30
Aroclor-1260	302		µg/kg dry	18.4	321	BRL	94	40-140	6	30
Aroclor-1260 [2C]	256		µg/kg dry	24.4	321	BRL	80	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	29.6		µg/kg dry		25.7		115	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	29.6		µg/kg dry		25.7		115	30-150		
Surrogate: Decachlorobiphenyl (Sr)	32.1		µg/kg dry		25.7		125	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	29.6		µg/kg dry		25.7		115	30-150		

This laboratory report is not valid without an authorized signature on the cover page.

Notes and Definitions

U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor

ATTACHMENT B

LABORATORY ANALYSIS REPORTS – SURFACE SOIL SAMPLING

Report Date:
14-Jun-13 11:59



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

AECC Environmental Consulting
6308 Fly Road
East Syracuse, NY 13057
Attn: Rico McKenna

Project: WBP - Collamer, NY
Project #: 13-067

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SB70846-01	Pond - 01	Soil	31-May-13 15:40	31-May-13 21:00
SB70846-02	Pond - 02	Soil	31-May-13 15:45	31-May-13 21:00
SB70846-03	Pond - 03	Soil	31-May-13 15:50	31-May-13 21:00
SB70846-04	Pond - 04	Soil	31-May-13 16:00	31-May-13 21:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 10 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The samples were received 1.2 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Acceptance Check Form

Client: AECC Environmental Consulting
Project: WBP - Collamer, NY / 13-067
Work Order: SB70846
Sample(s) received on: 5/31/2013
Received by: Vickie Knowles

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
1. Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Were custody seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Were samples received at a temperature of $\leq 6^{\circ}\text{C}$?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Were samples cooled on ice upon transfer to laboratory representative?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Were samples refrigerated upon transfer to laboratory representative?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Were sample containers received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Were samples accompanied by a Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Did sample container labels agree with Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Were samples received within method-specific holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Identification**Pond - 01**

SB70846-01

Client Project #

13-067

Matrix

Soil

Collection Date/Time

31-May-13 15:40

Received

31-May-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GC

Polychlorinated Biphenyls

Prepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 23.1		µg/kg dry	23.1	11.5	1	SW846 8082A	08-Jun-13	12-Jun-13	BLM	1313470	X
11104-28-2	Aroclor-1221	< 23.1		µg/kg dry	23.1	20.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.1		µg/kg dry	23.1	14.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 23.1		µg/kg dry	23.1	13.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 23.1		µg/kg dry	23.1	11.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.1		µg/kg dry	23.1	19.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.1		µg/kg dry	23.1	14.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.1		µg/kg dry	23.1	21.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.1		µg/kg dry	23.1	7.25	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	75			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	75			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	75			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	80			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	84.3			%			1	SM2540 G Mod.	10-Jun-13	10-Jun-13	DT	1313546	
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Sample Identification

Pond - 02

SB70846-02

Client Project #

13-067

Matrix

Soil

Collection Date/Time

31-May-13 15:45

Received

31-May-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GC

Polychlorinated Biphenyls

Prepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 22.3		µg/kg dry	22.3	11.1	1	SW846 8082A	08-Jun-13	12-Jun-13	BLM	1313470	X
11104-28-2	Aroclor-1221	< 22.3		µg/kg dry	22.3	20.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.3		µg/kg dry	22.3	14.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.3		µg/kg dry	22.3	13.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.3		µg/kg dry	22.3	10.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.3		µg/kg dry	22.3	18.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.3		µg/kg dry	22.3	13.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.3		µg/kg dry	22.3	20.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.3		µg/kg dry	22.3	7.00	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	84.0			%			1	SM2540 G Mod.	10-Jun-13	10-Jun-13	DT	1313546	
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Sample Identification

Pond - 03	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SB70846-03	13-067	Soil	31-May-13 15:50	31-May-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 22.8		µg/kg dry	22.8	11.4	1	SW846 8082A	08-Jun-13	12-Jun-13	BLM	1313470	X
11104-28-2	Aroclor-1221	< 22.8		µg/kg dry	22.8	20.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.8		µg/kg dry	22.8	14.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.8		µg/kg dry	22.8	13.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.8		µg/kg dry	22.8	11.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.8		µg/kg dry	22.8	19.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.8		µg/kg dry	22.8	14.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.8		µg/kg dry	22.8	21.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.8		µg/kg dry	22.8	7.15	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	60			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	60			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	55			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	60			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	84.6	%					1	SM2540 G Mod.	10-Jun-13	10-Jun-13	DT	1313546	
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Sample Identification

Pond - 04	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SB70846-04	13-067	Soil	31-May-13 16:00	31-May-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 24.5		µg/kg dry	24.5	12.2	1	SW846 8082A	10-Jun-13	13-Jun-13	BLM	1313501	X
11104-28-2	Aroclor-1221	< 24.5		µg/kg dry	24.5	22.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.5		µg/kg dry	24.5	15.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 24.5		µg/kg dry	24.5	14.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 24.5		µg/kg dry	24.5	12.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 24.5		µg/kg dry	24.5	20.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 24.5		µg/kg dry	24.5	15.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.5		µg/kg dry	24.5	22.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.5		µg/kg dry	24.5	7.68	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	80			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	80			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	80			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	80.2	%					1	SM2540 G Mod.	10-Jun-13	10-Jun-13	DT	1313546	
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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1313470 - SW846 3545A										
Blank (1313470-BLK1)					Prepared: 08-Jun-13 Analyzed: 09-Jun-13					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	21.0		µg/kg wet		20.0		105	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	21.0		µg/kg wet		20.0		105	30-150		
Surrogate: Decachlorobiphenyl (Sr)	18.0		µg/kg wet		20.0		90	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	21.0		µg/kg wet		20.0		105	30-150		
LCS (1313470-BS1)					Prepared: 08-Jun-13 Analyzed: 09-Jun-13					
Aroclor-1016	257		µg/kg wet	20.0	250		103	40-140		
Aroclor-1016 [2C]	224		µg/kg wet	20.0	250		90	40-140		
Aroclor-1260	177		µg/kg wet	20.0	250		71	40-140		
Aroclor-1260 [2C]	193		µg/kg wet	20.0	250		77	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	22.0		µg/kg wet		20.0		110	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	22.0		µg/kg wet		20.0		110	30-150		
Surrogate: Decachlorobiphenyl (Sr)	16.0		µg/kg wet		20.0		80	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	21.0		µg/kg wet		20.0		105	30-150		
LCS Dup (1313470-BSD1)					Prepared: 08-Jun-13 Analyzed: 09-Jun-13					
Aroclor-1016	277		µg/kg wet	20.0	250		111	40-140	7	30
Aroclor-1016 [2C]	232		µg/kg wet	20.0	250		93	40-140	4	30
Aroclor-1260	185		µg/kg wet	20.0	250		74	40-140	4	30
Aroclor-1260 [2C]	198		µg/kg wet	20.0	250		79	40-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	23.0		µg/kg wet		20.0		115	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	22.0		µg/kg wet		20.0		110	30-150		
Surrogate: Decachlorobiphenyl (Sr)	17.0		µg/kg wet		20.0		85	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	20.0		µg/kg wet		20.0		100	30-150		
Batch 1313501 - SW846 3545A										
Blank (1313501-BLK1)					Prepared: 10-Jun-13 Analyzed: 12-Jun-13					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1313501 - SW846 3545A										
Blank (1313501-BLK1)					Prepared: 10-Jun-13 Analyzed: 12-Jun-13					
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	16.0		µg/kg wet		20.0		80	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	17.0		µg/kg wet		20.0		85	30-150		
Surrogate: Decachlorobiphenyl (Sr)	14.0		µg/kg wet		20.0		70	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	15.0		µg/kg wet		20.0		75	30-150		
LCS (1313501-BS1)					Prepared: 10-Jun-13 Analyzed: 13-Jun-13					
Aroclor-1016	287		µg/kg wet	20.0	250		115	40-140		
Aroclor-1016 [2C]	277		µg/kg wet	20.0	250		111	40-140		
Aroclor-1260	274		µg/kg wet	20.0	250		110	40-140		
Aroclor-1260 [2C]	279		µg/kg wet	20.0	250		112	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	25.0		µg/kg wet		20.0		125	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	23.0		µg/kg wet		20.0		115	30-150		
Surrogate: Decachlorobiphenyl (Sr)	23.0		µg/kg wet		20.0		115	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	24.0		µg/kg wet		20.0		120	30-150		
LCS Dup (1313501-BSD1)					Prepared: 10-Jun-13 Analyzed: 13-Jun-13					
Aroclor-1016	289		µg/kg wet	20.0	250		116	40-140	0.7	30
Aroclor-1016 [2C]	280		µg/kg wet	20.0	250		112	40-140	1	30
Aroclor-1260	278		µg/kg wet	20.0	250		111	40-140	1	30
Aroclor-1260 [2C]	289		µg/kg wet	20.0	250		116	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	25.0		µg/kg wet		20.0		125	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	23.0		µg/kg wet		20.0		115	30-150		
Surrogate: Decachlorobiphenyl (Sr)	24.0		µg/kg wet		20.0		120	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	24.0		µg/kg wet		20.0		120	30-150		

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Notes and Definitions

dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

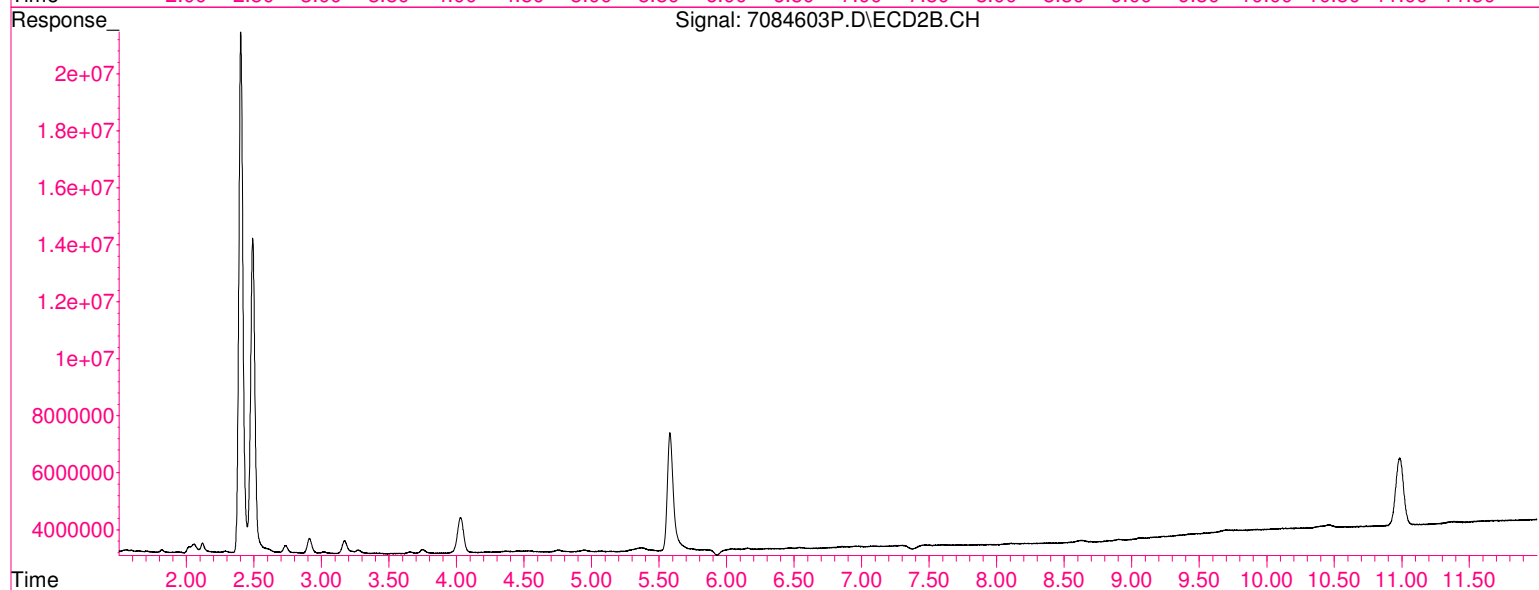
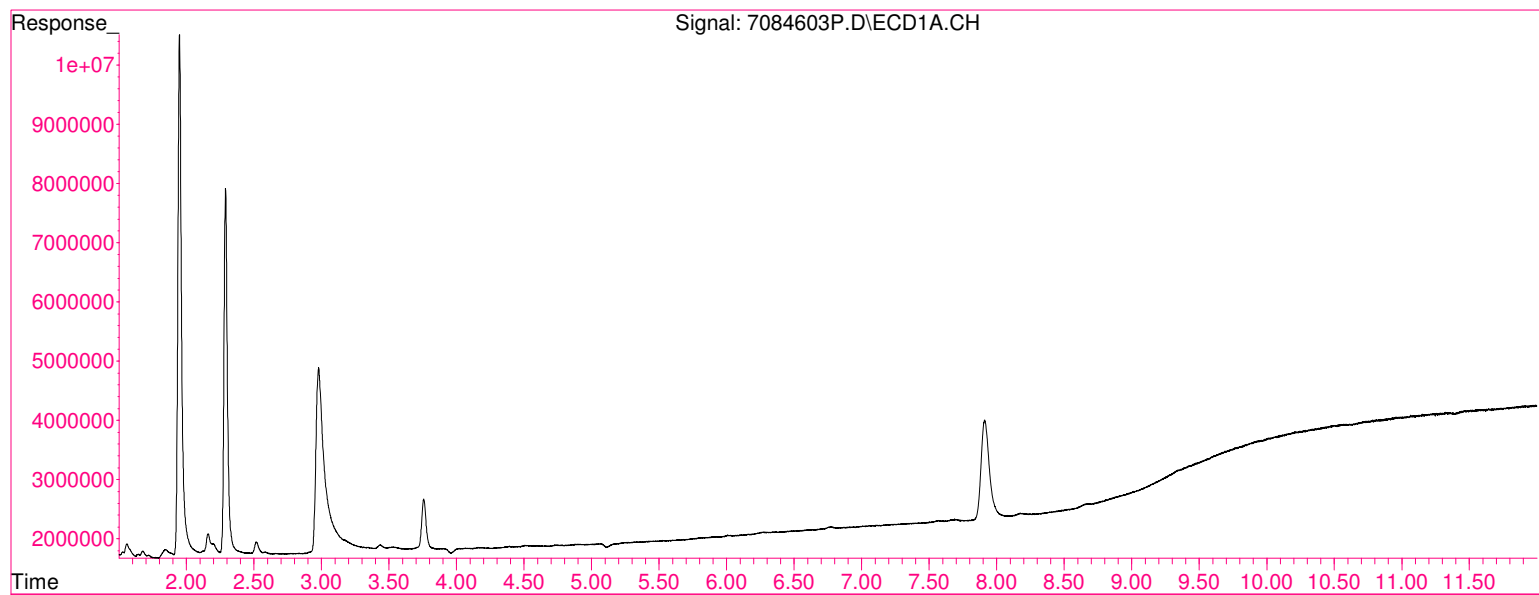
Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

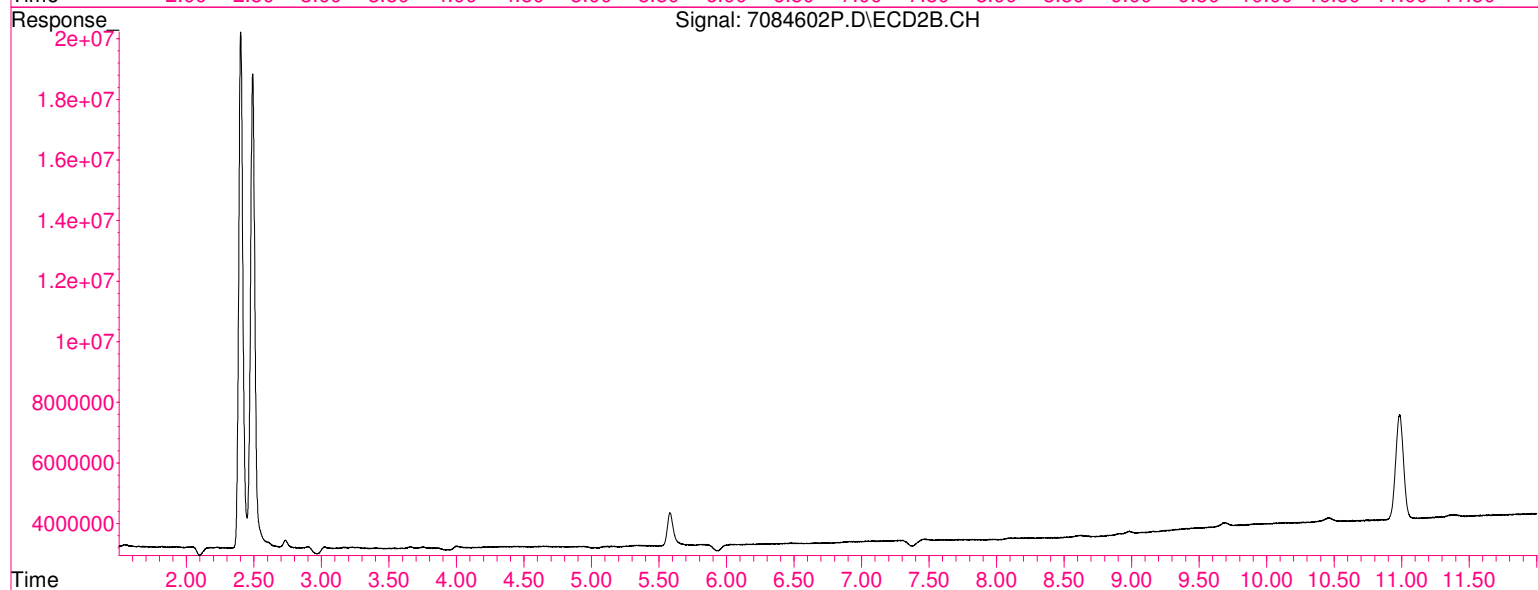
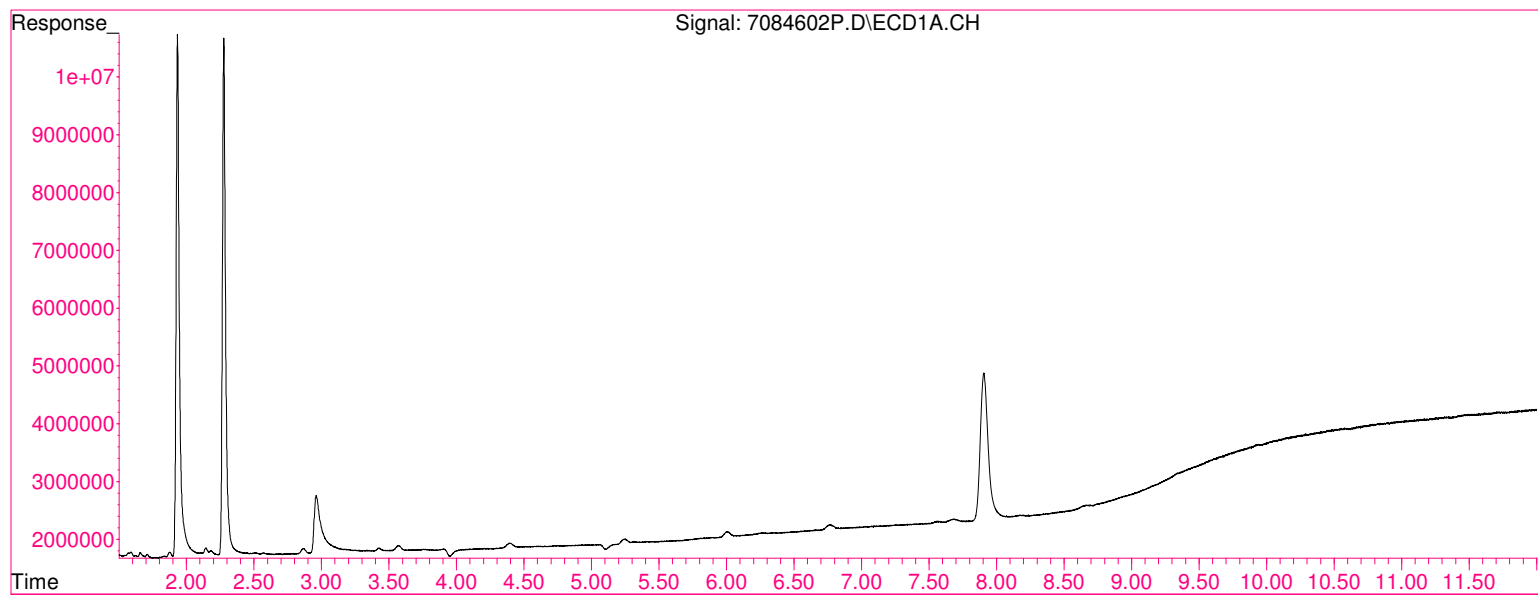
Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Kimberly Wisk

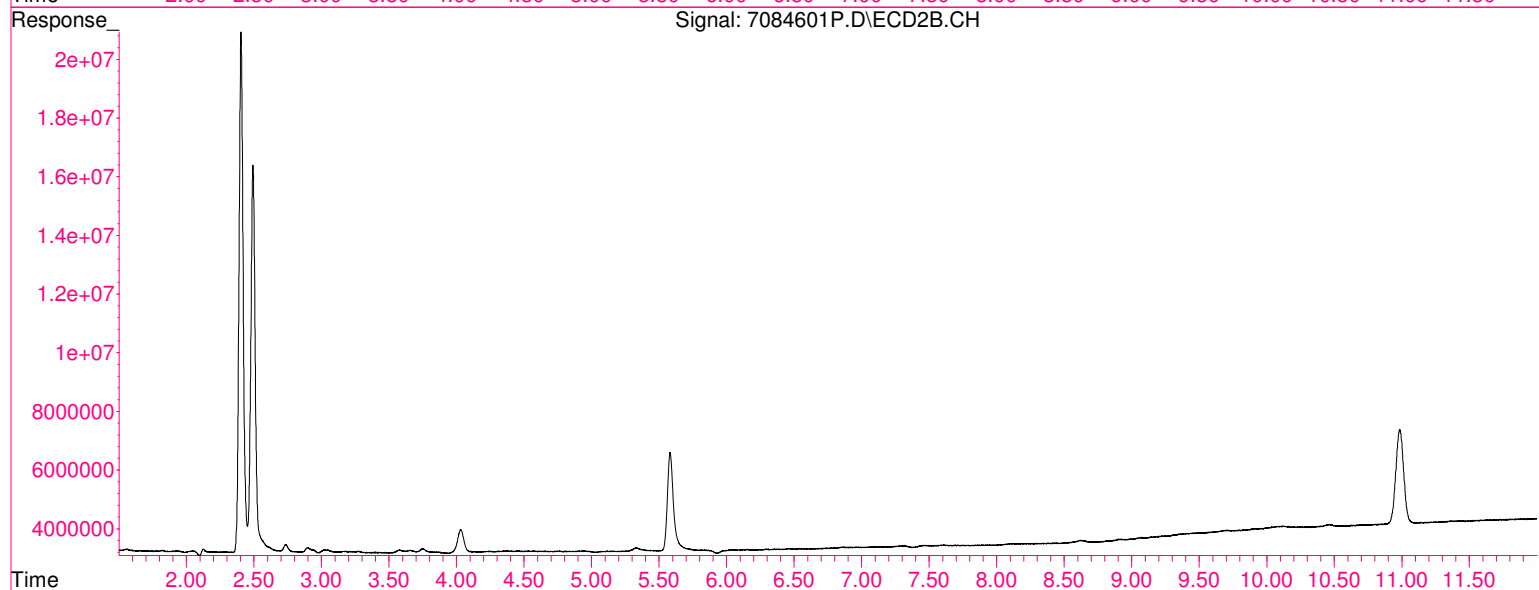
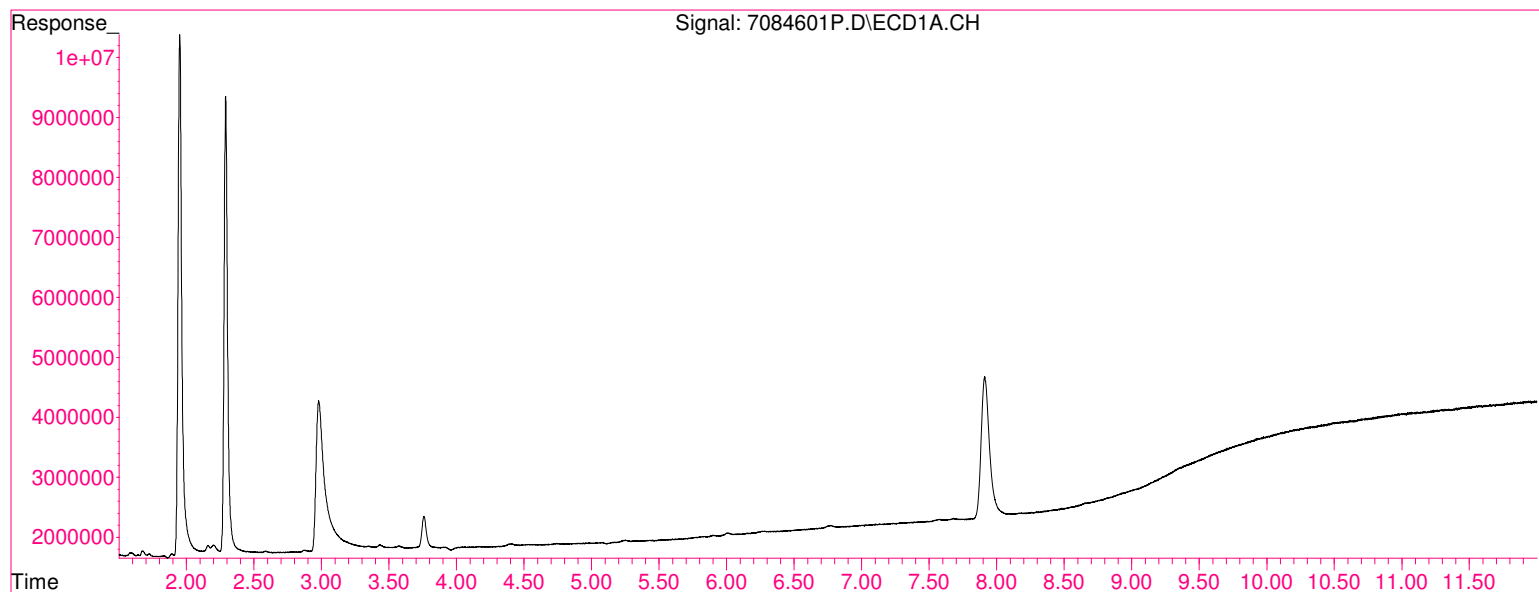
File :G:\Jun2013\HPS11\data\PCB110611\7084603P.D
Operator : BLM
Acquired : 12 Jun 2013 9:43 pm using AcqMethod 60110424.M
Instrument : HP G1530A
Sample Name: SB70846-03 @ Pond - 03
Misc Info : ????????
Vial Number: 6



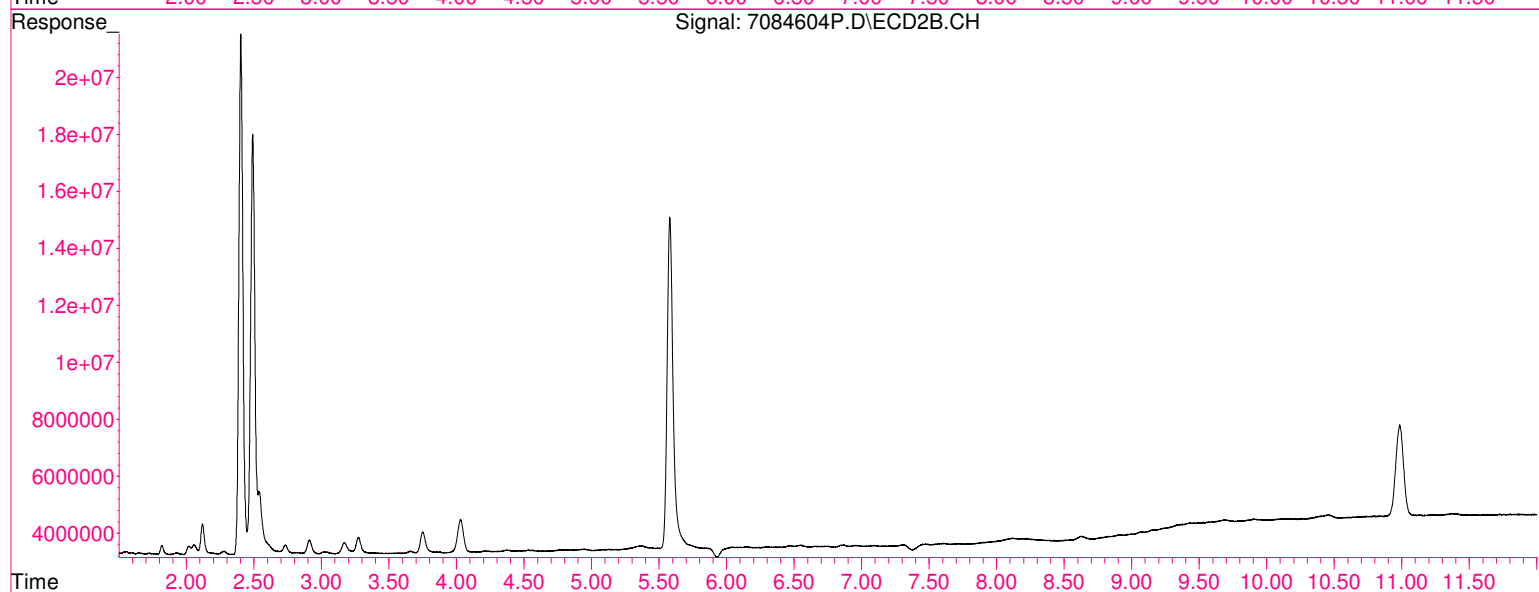
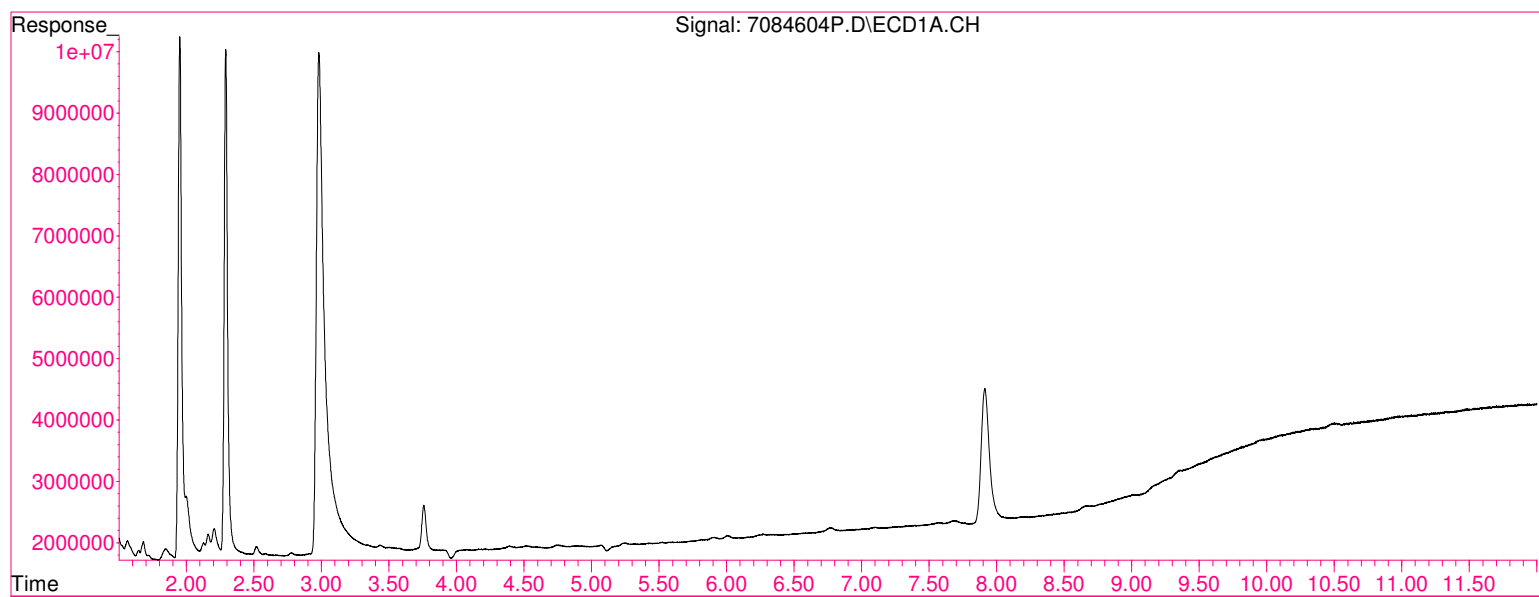
File :G:\Jun2013\HPS11\data\PCB110611\7084602P.D
Operator : BLM
Acquired : 12 Jun 2013 9:28 pm using AcqMethod 60110424.M
Instrument : HP G1530A
Sample Name: SB70846-02 @ Pond - 02
Misc Info : ????????
Vial Number: 5



File :G:\Jun2013\HPS11\data\PCB110611\7084601P.D
Operator : BLM
Acquired : 12 Jun 2013 9:12 pm using AcqMethod 60110424.M
Instrument : HP G1530A
Sample Name: SB70846-01 @ Pond - 01
Misc Info : ????????
Vial Number: 4



File :G:\Jun2013\HPS11\data\PCB110611\7084604P.D
Operator : BLM
Acquired : 13 Jun 2013 1:20 am using AcqMethod 60110424.M
Instrument : HP G1530A
Sample Name: SB70846-04 @ Pond - 04
Misc Info : ????????
Vial Number: 20





CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: RICHARD MCKENNA
AECC
6308 FLY RD
EAST SYRACUSE, NY 13057
 Telephone #: 315 432 9400
 Project Mgr. -

Invoice To: ACCTS PAYABLE
SAME ADDRESS
 P.O. No.: 13-067 RQN: _____

Project No.: 13-067
 Site Name: WBP
 Location: COLLAMER State: NY
 Sampler(s): RICHARD D MCKENNA

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= 12=

List preservative code below:

QA/QC Reporting Notes:
 * additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1= X2= X3=

Containers:

Analyses:

MA DEP MCP CAM Report: Yes ☐ No ☐
 CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level

- ☒ Standard ☐ No QC ☐ DQA*
- ☐ NY ASP A* ☐ NY ASP B*
- ☐ NJ Reduced* ☐ NJ Full*
- ☐ TIER II* ☐ TIER IV*
- ☐ Other _____

State-specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic										
<u>10846-01</u>	<u>POND - 01</u>	<u>5/31/13</u>	<u>3:40</u>	<u>G</u>	<u>SO</u>		<u>1</u>												
<u>02</u>	<u>POND - 02</u>	<u>"</u>	<u>3:45</u>	<u>"</u>	<u>"</u>		<u>1</u>												
<u>03</u>	<u>POND - 03</u>	<u>"</u>	<u>3:50</u>	<u>"</u>	<u>"</u>		<u>1</u>												
<u>04</u>	<u>POND - 04</u>	<u>"</u>	<u>4:00</u>	<u>"</u>	<u>"</u>		<u>1</u>												

Relinquished by:

Received by:

Date:

Time:

Temp°C

- ☒ EDD Format Excel, PDF
- ☒ E-mail to rmckenna@aecgroup.com

Condition upon receipt:

- ☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Report Date:
22-Jul-13 15:20



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

AECC Environmental Consulting
6308 Fly Road
East Syracuse, NY 13057
Attn: Rico McKenna

Project: WBP - Collamer, NY
Project #: 13-067

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SB73342-01	SS-1	Soil	17-Jul-13 08:26	17-Jul-13 21:00
SB73342-02	SS-2	Soil	17-Jul-13 08:33	17-Jul-13 21:00
SB73342-03	SS-3	Soil	17-Jul-13 08:40	17-Jul-13 21:00
SB73342-04	SS-4	Soil	17-Jul-13 08:45	17-Jul-13 21:00
SB73342-05	SS-5	Soil	17-Jul-13 09:22	17-Jul-13 21:00
SB73342-06	SS-6	Soil	17-Jul-13 09:15	17-Jul-13 21:00
SB73342-07	SS-7	Soil	17-Jul-13 09:07	17-Jul-13 21:00
SB73342-08	SS-8	Soil	17-Jul-13 09:00	17-Jul-13 21:00
SB73342-09	SS-9	Soil	17-Jul-13 08:53	17-Jul-13 21:00
SB73342-10	SS-10	Soil	17-Jul-13 09:52	17-Jul-13 21:00
SB73342-11	SS-11	Soil	17-Jul-13 10:00	17-Jul-13 21:00
SB73342-12	SS-12	Soil	17-Jul-13 10:08	17-Jul-13 21:00
SB73342-13	SS-13	Soil	17-Jul-13 10:14	17-Jul-13 21:00
SB73342-14	SS-14	Soil	17-Jul-13 10:38	17-Jul-13 21:00
SB73342-15	SS-15	Soil	17-Jul-13 10:34	17-Jul-13 21:00
SB73342-16	SS-16	Soil	17-Jul-13 10:28	17-Jul-13 21:00
SB73342-17	SS-17	Soil	17-Jul-13 10:23	17-Jul-13 21:00
SB73342-18	SS-18	Soil	17-Jul-13 10:19	17-Jul-13 21:00
SB73342-19	SS-19	Soil	17-Jul-13 11:24	17-Jul-13 21:00
SB73342-20	SS-20	Soil	17-Jul-13 11:31	17-Jul-13 21:00
SB73342-21	SS-21	Soil	17-Jul-13 11:41	17-Jul-13 21:00
SB73342-22	SS-22	Soil	17-Jul-13 11:45	17-Jul-13 21:00
SB73342-23	SS-23	Soil	17-Jul-13 12:11	17-Jul-13 21:00
SB73342-24	SS-24	Soil	17-Jul-13 12:02	17-Jul-13 21:00
SB73342-25	SS-25	Soil	17-Jul-13 11:57	17-Jul-13 21:00
SB73342-26	SS-26	Soil	17-Jul-13 11:53	17-Jul-13 21:00
SB73342-27	SS-27	Soil	17-Jul-13 11:49	17-Jul-13 21:00
SB73342-28	SS-28	Soil	17-Jul-13 15:03	17-Jul-13 21:00
SB73342-29	SS-29	Soil	17-Jul-13 15:07	17-Jul-13 21:00
SB73342-30	SS-30	Soil	17-Jul-13 15:16	17-Jul-13 21:00
SB73342-31	SS-31	Soil	17-Jul-13 15:22	17-Jul-13 21:00
SB73342-32	SS-32	Soil	17-Jul-13 15:40	17-Jul-13 21:00
SB73342-33	SS-33	Soil	17-Jul-13 15:35	17-Jul-13 21:00
SB73342-34	SS-34	Soil	17-Jul-13 15:32	17-Jul-13 21:00
SB73342-35	SS-35	Soil	17-Jul-13 15:28	17-Jul-13 21:00
SB73342-36	SS-36	Soil	17-Jul-13 15:25	17-Jul-13 21:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

A handwritten signature in black ink that reads "Nicole Leja". The signature is fluid and cursive, with the first name and last name clearly distinguishable.

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 46 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The samples were received 1.2 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Acceptance Check Form

Client: AECC Environmental Consulting
Project: WBP - Collamer, NY / 13-067
Work Order: SB73342
Sample(s) received on: 7/17/2013
Received by: Vickie Knowles

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
1. Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Were custody seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Were samples received at a temperature of $\leq 6^{\circ}\text{C}$?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Were samples cooled on ice upon transfer to laboratory representative?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Were samples refrigerated upon transfer to laboratory representative?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Were sample containers received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Were samples accompanied by a Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Did sample container labels agree with Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Were samples received within method-specific holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Identification

SS-1

SB73342-01

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 08:26

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 24.9	U	µg/kg dry	33.4	24.9	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316997	X
11104-28-2	Aroclor-1221	< 30.1	U	µg/kg dry	33.4	30.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.4	U	µg/kg dry	33.4	21.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.1	U	µg/kg dry	33.4	20.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 17.4	U	µg/kg dry	33.4	17.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 27.8	U	µg/kg dry	33.4	27.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.7	U	µg/kg dry	33.4	20.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 31.1	U	µg/kg dry	33.4	31.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 13.8	U	µg/kg dry	33.4	13.8	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	120			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	59.0	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316965	
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This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

SS-2

SB73342-02

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 08:33

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 20.0	U	µg/kg dry	26.8	20.0	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316997	X
11104-28-2	Aroclor-1221	< 24.1	U	µg/kg dry	26.8	24.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 17.2	U	µg/kg dry	26.8	17.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 16.1	U	µg/kg dry	26.8	16.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13.9	U	µg/kg dry	26.8	13.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	25.4	J	µg/kg dry	26.8	22.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16.6	U	µg/kg dry	26.8	16.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.9	U	µg/kg dry	26.8	24.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 11.0	U	µg/kg dry	26.8	11.0	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	125			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	74.5	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316965	
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This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

SS-3

SB73342-03

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 08:40

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 19.4	U	µg/kg dry	25.9	19.4	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316997	X
11104-28-2	Aroclor-1221	< 23.4	U	µg/kg dry	25.9	23.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 16.6	U	µg/kg dry	25.9	16.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 15.6	U	µg/kg dry	25.9	15.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13.5	U	µg/kg dry	25.9	13.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.6	U	µg/kg dry	25.9	21.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16.1	U	µg/kg dry	25.9	16.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.1	U	µg/kg dry	25.9	24.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 10.7	U	µg/kg dry	25.9	10.7	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	130			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	74.8	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316965	
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This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

SS-4

SB73342-04

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 08:45

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 19.2	U	µg/kg dry	25.7	19.2	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316997	X
11104-28-2	Aroclor-1221	< 23.1	U	µg/kg dry	25.7	23.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 16.5	U	µg/kg dry	25.7	16.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 15.4	U	µg/kg dry	25.7	15.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13.3	U	µg/kg dry	25.7	13.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.4	U	µg/kg dry	25.7	21.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 15.9	U	µg/kg dry	25.7	15.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.9	U	µg/kg dry	25.7	23.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 10.6	U	µg/kg dry	25.7	10.6	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	120			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	77.4	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316965	
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Sample Identification

SS-5

SB73342-05

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 09:22

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 21.2	U	µg/kg dry	28.3	21.2	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316997	X
11104-28-2	Aroclor-1221	< 25.5	U	µg/kg dry	28.3	25.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 18.2	U	µg/kg dry	28.3	18.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 17.0	U	µg/kg dry	28.3	17.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.7	U	µg/kg dry	28.3	14.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.6	U	µg/kg dry	28.3	23.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 17.6	U	µg/kg dry	28.3	17.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 26.4	U	µg/kg dry	28.3	26.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 11.7	U	µg/kg dry	28.3	11.7	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	67.9	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316965	
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Sample Identification

SS-6

SB73342-06

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 09:15

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 19.9	U	µg/kg dry	26.7	19.9	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316997	X
11104-28-2	Aroclor-1221	< 24.1	U	µg/kg dry	26.7	24.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 17.1	U	µg/kg dry	26.7	17.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 16.1	U	µg/kg dry	26.7	16.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13.9	U	µg/kg dry	26.7	13.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.3	U	µg/kg dry	26.7	22.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16.6	U	µg/kg dry	26.7	16.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.9	U	µg/kg dry	26.7	24.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 11.0	U	µg/kg dry	26.7	11.0	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	125			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	130			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	72.6	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316965	
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Sample Identification

SS-7

SB73342-07

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 09:07

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 21.9	U	µg/kg dry	29.4	21.9	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316997	X
11104-28-2	Aroclor-1221	< 26.4	U	µg/kg dry	29.4	26.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 18.8	U	µg/kg dry	29.4	18.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 17.7	U	µg/kg dry	29.4	17.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 15.3	U	µg/kg dry	29.4	15.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 24.5	U	µg/kg dry	29.4	24.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 18.2	U	µg/kg dry	29.4	18.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 27.3	U	µg/kg dry	29.4	27.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 12.1	U	µg/kg dry	29.4	12.1	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	120			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	66.1	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316965	
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Sample Identification

SS-8

SB73342-08

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 09:00

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 21.6	U	µg/kg dry	28.9	21.6	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316997	X
11104-28-2	Aroclor-1221	< 26.0	U	µg/kg dry	28.9	26.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 18.6	U	µg/kg dry	28.9	18.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 17.4	U	µg/kg dry	28.9	17.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 15.0	U	µg/kg dry	28.9	15.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 24.1	U	µg/kg dry	28.9	24.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 17.9	U	µg/kg dry	28.9	17.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 26.9	U	µg/kg dry	28.9	26.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 11.9	U	µg/kg dry	28.9	11.9	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	68.8	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316965	
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Sample Identification

SS-9

SB73342-09

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 08:53

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 21.5	U	µg/kg dry	28.8	21.5	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316997	X
11104-28-2	Aroclor-1221	< 26.0	U	µg/kg dry	28.8	26.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 18.5	U	µg/kg dry	28.8	18.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 17.3	U	µg/kg dry	28.8	17.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 15.0	U	µg/kg dry	28.8	15.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 24.0	U	µg/kg dry	28.8	24.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 17.9	U	µg/kg dry	28.8	17.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 26.8	U	µg/kg dry	28.8	26.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 11.9	U	µg/kg dry	28.8	11.9	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	125			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	125			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	67.7	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316965	
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Sample Identification

SS-10

SB73342-10

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 09:52

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 20.1	U	µg/kg dry	26.9	20.1	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316997	X
11104-28-2	Aroclor-1221	< 24.2	U	µg/kg dry	26.9	24.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 17.3	U	µg/kg dry	26.9	17.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 16.2	U	µg/kg dry	26.9	16.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.0	U	µg/kg dry	26.9	14.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.4	U	µg/kg dry	26.9	22.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16.7	U	µg/kg dry	26.9	16.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 25.1	U	µg/kg dry	26.9	25.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 11.1	U	µg/kg dry	26.9	11.1	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	72.0	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316965	
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Sample Identification

SS-11

SB73342-11

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 10:00

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 19.8	U	µg/kg dry	26.6	19.8	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316997	X
11104-28-2	Aroclor-1221	< 23.9	U	µg/kg dry	26.6	23.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 17.1	U	µg/kg dry	26.6	17.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 16.0	U	µg/kg dry	26.6	16.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13.8	U	µg/kg dry	26.6	13.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	46.5		µg/kg dry	26.6	22.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16.5	U	µg/kg dry	26.6	16.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.7	U	µg/kg dry	26.6	24.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 11.0	U	µg/kg dry	26.6	11.0	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	125			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	73.7	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316965	
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Sample Identification

SS-12

SB73342-12

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 10:08

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 21.6	U	µg/kg dry	28.9	21.6	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316997	X
11104-28-2	Aroclor-1221	< 26.0	U	µg/kg dry	28.9	26.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 18.6	U	µg/kg dry	28.9	18.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 17.4	U	µg/kg dry	28.9	17.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 15.0	U	µg/kg dry	28.9	15.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 24.1	U	µg/kg dry	28.9	24.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 17.9	U	µg/kg dry	28.9	17.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 26.9	U	µg/kg dry	28.9	26.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 11.9	U	µg/kg dry	28.9	11.9	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	69.2	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316965	
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Sample Identification

SS-13

SB73342-13

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 10:14

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 22.0	U	µg/kg dry	29.5	22.0	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316997	X
11104-28-2	Aroclor-1221	< 26.5	U	µg/kg dry	29.5	26.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 18.9	U	µg/kg dry	29.5	18.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 17.7	U	µg/kg dry	29.5	17.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 15.3	U	µg/kg dry	29.5	15.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 24.5	U	µg/kg dry	29.5	24.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 18.3	U	µg/kg dry	29.5	18.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 27.4	U	µg/kg dry	29.5	27.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 12.1	U	µg/kg dry	29.5	12.1	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	67.7	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316965	
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Sample Identification

SS-14

SB73342-14

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 10:38

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 18.6	U	µg/kg dry	24.9	18.6	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316997	X
11104-28-2	Aroclor-1221	< 22.4	U	µg/kg dry	24.9	22.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 16.0	U	µg/kg dry	24.9	16.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 15.0	U	µg/kg dry	24.9	15.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 12.9	U	µg/kg dry	24.9	12.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.7	U	µg/kg dry	24.9	20.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 15.4	U	µg/kg dry	24.9	15.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.2	U	µg/kg dry	24.9	23.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 10.3	U	µg/kg dry	24.9	10.3	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	77.7	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316966	
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Sample Identification

SS-15

SB73342-15

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 10:34

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 18.8	U	µg/kg dry	25.1	18.8	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316997	X
11104-28-2	Aroclor-1221	< 22.6	U	µg/kg dry	25.1	22.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 16.1	U	µg/kg dry	25.1	16.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 15.1	U	µg/kg dry	25.1	15.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13.1	U	µg/kg dry	25.1	13.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.9	U	µg/kg dry	25.1	20.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 15.6	U	µg/kg dry	25.1	15.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.4	U	µg/kg dry	25.1	23.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 10.4	U	µg/kg dry	25.1	10.4	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	120			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	78.6	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316966	
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Sample Identification

SS-16

SB73342-16

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 10:28

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 21.1	U	µg/kg dry	28.2	21.1	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316997	X
11104-28-2	Aroclor-1221	< 25.4	U	µg/kg dry	28.2	25.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 18.1	U	µg/kg dry	28.2	18.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 17.0	U	µg/kg dry	28.2	17.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.7	U	µg/kg dry	28.2	14.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.5	U	µg/kg dry	28.2	23.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 17.5	U	µg/kg dry	28.2	17.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 26.3	U	µg/kg dry	28.2	26.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 11.6	U	µg/kg dry	28.2	11.6	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	125			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	69.9	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316966	
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Sample Identification

SS-17

SB73342-17

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 10:23

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 21.2	U	µg/kg dry	28.4	21.2	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316997	X
11104-28-2	Aroclor-1221	< 25.6	U	µg/kg dry	28.4	25.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 18.2	U	µg/kg dry	28.4	18.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 17.1	U	µg/kg dry	28.4	17.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.8	U	µg/kg dry	28.4	14.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.7	U	µg/kg dry	28.4	23.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 17.6	U	µg/kg dry	28.4	17.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 26.5	U	µg/kg dry	28.4	26.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 11.7	U	µg/kg dry	28.4	11.7	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	120			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	70.0	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316966	
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Sample Identification

SS-18

SB73342-18

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 10:19

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 22.6	U	µg/kg dry	30.2	22.6	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316997	X
11104-28-2	Aroclor-1221	< 27.2	U	µg/kg dry	30.2	27.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.4	U	µg/kg dry	30.2	19.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 18.2	U	µg/kg dry	30.2	18.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 15.7	U	µg/kg dry	30.2	15.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 25.2	U	µg/kg dry	30.2	25.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 18.7	U	µg/kg dry	30.2	18.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 28.1	U	µg/kg dry	30.2	28.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 12.5	U	µg/kg dry	30.2	12.5	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	64.6	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316966	
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Sample Identification

SS-19

SB73342-19

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 11:24

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 19.0	U	µg/kg dry	25.5	19.0	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316997	X
11104-28-2	Aroclor-1221	< 23.0	U	µg/kg dry	25.5	23.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 16.4	U	µg/kg dry	25.5	16.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 15.3	U	µg/kg dry	25.5	15.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13.3	U	µg/kg dry	25.5	13.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.3	U	µg/kg dry	25.5	21.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 15.8	U	µg/kg dry	25.5	15.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.7	U	µg/kg dry	25.5	23.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 10.5	U	µg/kg dry	25.5	10.5	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	76.3	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316966	
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Sample Identification

SS-20

SB73342-20

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 11:31

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 18.7	U	µg/kg dry	25.0	18.7	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316997	X
11104-28-2	Aroclor-1221	< 22.5	U	µg/kg dry	25.0	22.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 16.0	U	µg/kg dry	25.0	16.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 15.0	U	µg/kg dry	25.0	15.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13.0	U	µg/kg dry	25.0	13.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.8	U	µg/kg dry	25.0	20.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 15.5	U	µg/kg dry	25.0	15.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.3	U	µg/kg dry	25.0	23.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 10.3	U	µg/kg dry	25.0	10.3	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	76.6	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316966	
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Sample Identification

SS-21

SB73342-21

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 11:41

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 19.7	U	µg/kg dry	26.3	19.7	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316999	X
11104-28-2	Aroclor-1221	< 23.7	U	µg/kg dry	26.3	23.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 16.9	U	µg/kg dry	26.3	16.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 15.8	U	µg/kg dry	26.3	15.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13.7	U	µg/kg dry	26.3	13.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.0	U	µg/kg dry	26.3	22.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16.3	U	µg/kg dry	26.3	16.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.5	U	µg/kg dry	26.3	24.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 10.9	U	µg/kg dry	26.3	10.9	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	74.4	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316966	
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Sample Identification

SS-22

SB73342-22

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 11:45

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 19.8	U	µg/kg dry	26.5	19.8	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316999	X
11104-28-2	Aroclor-1221	< 23.8	U	µg/kg dry	26.5	23.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 17.0	U	µg/kg dry	26.5	17.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 15.9	U	µg/kg dry	26.5	15.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13.8	U	µg/kg dry	26.5	13.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.1	U	µg/kg dry	26.5	22.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16.4	U	µg/kg dry	26.5	16.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.6	U	µg/kg dry	26.5	24.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 10.9	U	µg/kg dry	26.5	10.9	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	120			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	73.4	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316966	
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Sample Identification

SS-23

SB73342-23

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 12:11

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 18.9	U	µg/kg dry	25.3	18.9	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316999	X
11104-28-2	Aroclor-1221	< 22.8	U	µg/kg dry	25.3	22.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 16.2	U	µg/kg dry	25.3	16.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 15.2	U	µg/kg dry	25.3	15.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13.2	U	µg/kg dry	25.3	13.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.1	U	µg/kg dry	25.3	21.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 15.7	U	µg/kg dry	25.3	15.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.6	U	µg/kg dry	25.3	23.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 10.4	U	µg/kg dry	25.3	10.4	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	120			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	77.3	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316966	
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Sample Identification

SS-24

SB73342-24

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 12:02

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 18.3	U	µg/kg dry	24.5	18.3	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316999	X
11104-28-2	Aroclor-1221	< 22.1	U	µg/kg dry	24.5	22.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 15.7	U	µg/kg dry	24.5	15.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 14.8	U	µg/kg dry	24.5	14.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 12.8	U	µg/kg dry	24.5	12.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.4	U	µg/kg dry	24.5	20.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 15.2	U	µg/kg dry	24.5	15.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.8	U	µg/kg dry	24.5	22.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 10.1	U	µg/kg dry	24.5	10.1	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	80.1	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316966	
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Sample Identification

SS-25

SB73342-25

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 11:57

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 19.9	U	µg/kg dry	26.6	19.9	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316999	X
11104-28-2	Aroclor-1221	< 24.0	U	µg/kg dry	26.6	24.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 17.1	U	µg/kg dry	26.6	17.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 16.0	U	µg/kg dry	26.6	16.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13.8	U	µg/kg dry	26.6	13.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.2	U	µg/kg dry	26.6	22.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16.5	U	µg/kg dry	26.6	16.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.8	U	µg/kg dry	26.6	24.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 11.0	U	µg/kg dry	26.6	11.0	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	120			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	73.8	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316966	
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Sample Identification

SS-26

SB73342-26

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 11:53

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 20.4	U	µg/kg dry	27.3	20.4	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316999	X
11104-28-2	Aroclor-1221	< 24.6	U	µg/kg dry	27.3	24.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 17.6	U	µg/kg dry	27.3	17.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 16.4	U	µg/kg dry	27.3	16.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.2	U	µg/kg dry	27.3	14.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.8	U	µg/kg dry	27.3	22.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16.9	U	µg/kg dry	27.3	16.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 25.5	U	µg/kg dry	27.3	25.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 11.3	U	µg/kg dry	27.3	11.3	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	130			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	72.1	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316966	
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Sample Identification

SS-27

SB73342-27

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 11:49

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 25.8	U	µg/kg dry	34.6	25.8	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316999	X
11104-28-2	Aroclor-1221	< 31.2	U	µg/kg dry	34.6	31.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.2	U	µg/kg dry	34.6	22.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.8	U	µg/kg dry	34.6	20.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 18.0	U	µg/kg dry	34.6	18.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 28.8	U	µg/kg dry	34.6	28.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.5	U	µg/kg dry	34.6	21.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 32.2	U	µg/kg dry	34.6	32.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 14.3	U	µg/kg dry	34.6	14.3	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	57.5	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316966	
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Sample Identification

SS-28

SB73342-28

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 15:03

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 16.1	U	µg/kg dry	21.5	16.1	1	SW846 8082A	18-Jul-13	19-Jul-13	IMR	1316999	X
11104-28-2	Aroclor-1221	< 19.4	U	µg/kg dry	21.5	19.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 13.8	U	µg/kg dry	21.5	13.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.9	U	µg/kg dry	21.5	12.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 11.2	U	µg/kg dry	21.5	11.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 17.9	U	µg/kg dry	21.5	17.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 13.3	U	µg/kg dry	21.5	13.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.0	U	µg/kg dry	21.5	20.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 8.88	U	µg/kg dry	21.5	8.88	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	88.4	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316966	
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Sample Identification

SS-29

SB73342-29

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 15:07

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 17.7	U	µg/kg dry	23.7	17.7	1	SW846 8082A	18-Jul-13	20-Jul-13	IMR	1316999	X
11104-28-2	Aroclor-1221	< 21.3	U	µg/kg dry	23.7	21.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 15.2	U	µg/kg dry	23.7	15.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 14.2	U	µg/kg dry	23.7	14.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 12.3	U	µg/kg dry	23.7	12.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 19.7	U	µg/kg dry	23.7	19.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 14.7	U	µg/kg dry	23.7	14.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.1	U	µg/kg dry	23.7	22.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 9.77	U	µg/kg dry	23.7	9.77	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	83.2	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316966	
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Sample Identification

SS-30

SB73342-30

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 15:16

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 19.5	U	µg/kg dry	26.1	19.5	1	SW846 8082A	18-Jul-13	20-Jul-13	IMR	1316999	X
11104-28-2	Aroclor-1221	< 23.5	U	µg/kg dry	26.1	23.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 16.7	U	µg/kg dry	26.1	16.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 15.7	U	µg/kg dry	26.1	15.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13.5	U	µg/kg dry	26.1	13.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	74.2		µg/kg dry	26.1	21.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16.2	U	µg/kg dry	26.1	16.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.3	U	µg/kg dry	26.1	24.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 10.7	U	µg/kg dry	26.1	10.7	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	72.8	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316966	
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Sample Identification

SS-31

SB73342-31

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 15:22

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 19.5	U	µg/kg dry	26.0	19.5	1	SW846 8082A	18-Jul-13	20-Jul-13	IMR	1316999	X
11104-28-2	Aroclor-1221	< 23.5	U	µg/kg dry	26.0	23.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 16.7	U	µg/kg dry	26.0	16.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 15.7	U	µg/kg dry	26.0	15.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13.5	U	µg/kg dry	26.0	13.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.7	U	µg/kg dry	26.0	21.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16.1	U	µg/kg dry	26.0	16.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.3	U	µg/kg dry	26.0	24.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 10.7	U	µg/kg dry	26.0	10.7	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	74.4	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316966	
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Sample Identification

SS-32

SB73342-32

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 15:40

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 17.1	U	µg/kg dry	22.9	17.1	1	SW846 8082A	18-Jul-13	20-Jul-13	IMR	1316999	X
11104-28-2	Aroclor-1221	< 20.7	U	µg/kg dry	22.9	20.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 14.7	U	µg/kg dry	22.9	14.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 13.8	U	µg/kg dry	22.9	13.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 11.9	U	µg/kg dry	22.9	11.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 19.1	U	µg/kg dry	22.9	19.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 14.2	U	µg/kg dry	22.9	14.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.4	U	µg/kg dry	22.9	21.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 9.46	U	µg/kg dry	22.9	9.46	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	83.4	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316966	
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Sample Identification

SS-33

SB73342-33

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 15:35

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 16.8	U	µg/kg dry	22.5	16.8	1	SW846 8082A	18-Jul-13	20-Jul-13	IMR	1316999	X
11104-28-2	Aroclor-1221	< 20.2	U	µg/kg dry	22.5	20.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 14.4	U	µg/kg dry	22.5	14.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 13.5	U	µg/kg dry	22.5	13.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 11.7	U	µg/kg dry	22.5	11.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 18.7	U	µg/kg dry	22.5	18.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 13.9	U	µg/kg dry	22.5	13.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.9	U	µg/kg dry	22.5	20.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 9.26	U	µg/kg dry	22.5	9.26	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	145			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	87.7	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316967	
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Sample Identification

SS-34

SB73342-34

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 15:32

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 16.0	U	µg/kg dry	21.5	16.0	1	SW846 8082A	18-Jul-13	20-Jul-13	IMR	1316999	X
11104-28-2	Aroclor-1221	< 19.3	U	µg/kg dry	21.5	19.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 13.8	U	µg/kg dry	21.5	13.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.9	U	µg/kg dry	21.5	12.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 11.2	U	µg/kg dry	21.5	11.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 17.9	U	µg/kg dry	21.5	17.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 13.3	U	µg/kg dry	21.5	13.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.0	U	µg/kg dry	21.5	20.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 8.86	U	µg/kg dry	21.5	8.86	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	120			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	88.4	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316967	
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Sample Identification

SS-35

SB73342-35

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 15:28

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 15.9	U	µg/kg dry	21.3	15.9	1	SW846 8082A	18-Jul-13	20-Jul-13	IMR	1316999	X
11104-28-2	Aroclor-1221	< 19.2	U	µg/kg dry	21.3	19.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 13.7	U	µg/kg dry	21.3	13.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.8	U	µg/kg dry	21.3	12.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 11.1	U	µg/kg dry	21.3	11.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 17.7	U	µg/kg dry	21.3	17.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 13.2	U	µg/kg dry	21.3	13.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19.8	U	µg/kg dry	21.3	19.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 8.77	U	µg/kg dry	21.3	8.77	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	89.6	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316967	
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Sample Identification

SS-36

SB73342-36

Client Project #

13-067

Matrix

Soil

Collection Date/Time

17-Jul-13 15:25

Received

17-Jul-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3550C

12674-11-2	Aroclor-1016	< 16.9	U	µg/kg dry	22.6	16.9	1	SW846 8082A	18-Jul-13	20-Jul-13	IMR	1316999	X
11104-28-2	Aroclor-1221	< 20.4	U	µg/kg dry	22.6	20.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 14.5	U	µg/kg dry	22.6	14.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 13.6	U	µg/kg dry	22.6	13.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 11.8	U	µg/kg dry	22.6	11.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 18.9	U	µg/kg dry	22.6	18.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 14.0	U	µg/kg dry	22.6	14.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.1	U	µg/kg dry	22.6	21.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 9.34	U	µg/kg dry	22.6	9.34	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	85.6	%					1	SM2540 G Mod.	18-Jul-13	18-Jul-13	DT	1316967	
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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1316997 - SW846 3550C										
Blank (1316997-BLK1)					Prepared: 18-Jul-13 Analyzed: 19-Jul-13					
Aroclor-1016	< 14.9	U	µg/kg wet	14.9						
Aroclor-1016 [2C]	< 13.0	U	µg/kg wet	13.0						
Aroclor-1221	< 18.0	U	µg/kg wet	18.0						
Aroclor-1221 [2C]	< 14.4	U	µg/kg wet	14.4						
Aroclor-1232	< 12.8	U	µg/kg wet	12.8						
Aroclor-1232 [2C]	< 15.7	U	µg/kg wet	15.7						
Aroclor-1242	< 12.0	U	µg/kg wet	12.0						
Aroclor-1242 [2C]	< 9.67	U	µg/kg wet	9.67						
Aroclor-1248	< 10.4	U	µg/kg wet	10.4						
Aroclor-1248 [2C]	< 8.78	U	µg/kg wet	8.78						
Aroclor-1254	< 16.7	U	µg/kg wet	16.7						
Aroclor-1254 [2C]	< 11.7	U	µg/kg wet	11.7						
Aroclor-1260	< 12.4	U	µg/kg wet	12.4						
Aroclor-1260 [2C]	< 10.0	U	µg/kg wet	10.0						
Aroclor-1262	< 18.6	U	µg/kg wet	18.6						
Aroclor-1262 [2C]	< 19.2	U	µg/kg wet	19.2						
Aroclor-1268	< 8.25	U	µg/kg wet	8.25						
Aroclor-1268 [2C]	< 9.90	U	µg/kg wet	9.90						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	15.0		µg/kg wet		20.0		75	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	17.0		µg/kg wet		20.0		85	30-150		
Surrogate: Decachlorobiphenyl (Sr)	20.0		µg/kg wet		20.0		100	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	22.0		µg/kg wet		20.0		110	30-150		
LCS (1316997-BS1)					Prepared: 18-Jul-13 Analyzed: 19-Jul-13					
Aroclor-1016	253		µg/kg wet	14.9	250		101	40-140		
Aroclor-1016 [2C]	266		µg/kg wet	13.0	250		106	40-140		
Aroclor-1260	217		µg/kg wet	12.4	250		87	40-140		
Aroclor-1260 [2C]	264		µg/kg wet	10.0	250		106	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	15.0		µg/kg wet		20.0		75	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	15.0		µg/kg wet		20.0		75	30-150		
Surrogate: Decachlorobiphenyl (Sr)	21.0		µg/kg wet		20.0		105	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	22.0		µg/kg wet		20.0		110	30-150		
LCS Dup (1316997-BSD1)					Prepared: 18-Jul-13 Analyzed: 19-Jul-13					
Aroclor-1016	254		µg/kg wet	14.9	250		102	40-140	0.4	30
Aroclor-1016 [2C]	261		µg/kg wet	13.0	250		104	40-140	2	30
Aroclor-1260	218		µg/kg wet	12.4	250		87	40-140	0.5	30
Aroclor-1260 [2C]	243		µg/kg wet	10.0	250		97	40-140	8	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	15.0		µg/kg wet		20.0		75	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	15.0		µg/kg wet		20.0		75	30-150		
Surrogate: Decachlorobiphenyl (Sr)	22.0		µg/kg wet		20.0		110	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	22.0		µg/kg wet		20.0		110	30-150		
Duplicate (1316997-DUP1)					Prepared: 18-Jul-13 Analyzed: 19-Jul-13					
Aroclor-1016	< 25.3	U	µg/kg dry	25.3		BRL				30
Aroclor-1016 [2C]	< 22.0	U	µg/kg dry	22.0		BRL				30
Aroclor-1221	< 30.5	U	µg/kg dry	30.5		BRL				30
Aroclor-1221 [2C]	< 24.4	U	µg/kg dry	24.4		BRL				30
Aroclor-1232	< 21.8	U	µg/kg dry	21.8		BRL				30
Aroclor-1232 [2C]	< 26.6	U	µg/kg dry	26.6		BRL				30
Aroclor-1242	< 20.4	U	µg/kg dry	20.4		BRL				30
Aroclor-1242 [2C]	< 16.4	U	µg/kg dry	16.4		BRL				30
Aroclor-1248	< 17.6	U	µg/kg dry	17.6		BRL				30

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1316997 - SW846 3550C										
<u>Duplicate (1316997-DUP1)</u>										
				Source: SB73342-01				Prepared: 18-Jul-13 Analyzed: 19-Jul-13		
Aroclor-1248 [2C]	< 14.9	U	µg/kg dry	14.9		BRL				30
Aroclor-1254	< 28.3	U	µg/kg dry	28.3		BRL				30
Aroclor-1254 [2C]	< 19.8	U	µg/kg dry	19.8		BRL				30
Aroclor-1260	< 21.0	U	µg/kg dry	21.0		BRL				30
Aroclor-1260 [2C]	< 17.0	U	µg/kg dry	17.0		BRL				30
Aroclor-1262	< 31.6	U	µg/kg dry	31.6		BRL				30
Aroclor-1262 [2C]	< 32.5	U	µg/kg dry	32.5		BRL				30
Aroclor-1268	< 14.0	U	µg/kg dry	14.0		BRL				30
Aroclor-1268 [2C]	< 16.8	U	µg/kg dry	16.8		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	49.1		µg/kg dry		33.9		145	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	50.8		µg/kg dry		33.9		150	30-150		
Surrogate: Decachlorobiphenyl (Sr)	50.8		µg/kg dry		33.9		150	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	49.1		µg/kg dry		33.9		145	30-150		
<u>Matrix Spike (1316997-MS1)</u>										
				Source: SB73342-01				Prepared: 18-Jul-13 Analyzed: 19-Jul-13		
Aroclor-1016	529		µg/kg dry	25.3	424	BRL	125	40-140		
Aroclor-1016 [2C]	510		µg/kg dry	22.1	424	BRL	120	40-140		
Aroclor-1260	485		µg/kg dry	21.0	424	BRL	114	40-140		
Aroclor-1260 [2C]	512		µg/kg dry	17.0	424	BRL	121	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	39.0		µg/kg dry		33.9		115	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	37.3		µg/kg dry		33.9		110	30-150		
Surrogate: Decachlorobiphenyl (Sr)	40.7		µg/kg dry		33.9		120	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	40.7		µg/kg dry		33.9		120	30-150		
<u>Matrix Spike Dup (1316997-MSD1)</u>										
				Source: SB73342-01				Prepared: 18-Jul-13 Analyzed: 19-Jul-13		
Aroclor-1016	546		µg/kg dry	25.3	424	BRL	129	40-140	3	30
Aroclor-1016 [2C]	492		µg/kg dry	22.1	424	BRL	116	40-140	4	30
Aroclor-1260	485		µg/kg dry	21.0	424	BRL	114	40-140	0	30
Aroclor-1260 [2C]	517		µg/kg dry	17.0	424	BRL	122	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	39.0		µg/kg dry		33.9		115	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	35.6		µg/kg dry		33.9		105	30-150		
Surrogate: Decachlorobiphenyl (Sr)	40.7		µg/kg dry		33.9		120	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	42.4		µg/kg dry		33.9		125	30-150		
Batch 1316999 - SW846 3550C										
<u>Blank (1316999-BLK1)</u>										
								Prepared: 18-Jul-13 Analyzed: 19-Jul-13		
Aroclor-1016	< 14.9	U	µg/kg wet	14.9						
Aroclor-1016 [2C]	< 13.0	U	µg/kg wet	13.0						
Aroclor-1221	< 18.0	U	µg/kg wet	18.0						
Aroclor-1221 [2C]	< 14.4	U	µg/kg wet	14.4						
Aroclor-1232	< 12.8	U	µg/kg wet	12.8						
Aroclor-1232 [2C]	< 15.7	U	µg/kg wet	15.7						
Aroclor-1242	< 12.0	U	µg/kg wet	12.0						
Aroclor-1242 [2C]	< 9.67	U	µg/kg wet	9.67						
Aroclor-1248	< 10.4	U	µg/kg wet	10.4						
Aroclor-1248 [2C]	< 8.78	U	µg/kg wet	8.78						
Aroclor-1254	< 16.7	U	µg/kg wet	16.7						
Aroclor-1254 [2C]	< 11.7	U	µg/kg wet	11.7						
Aroclor-1260	< 12.4	U	µg/kg wet	12.4						
Aroclor-1260 [2C]	< 10.0	U	µg/kg wet	10.0						
Aroclor-1262	< 18.6	U	µg/kg wet	18.6						
Aroclor-1262 [2C]	< 19.2	U	µg/kg wet	19.2						
Aroclor-1268	< 8.25	U	µg/kg wet	8.25						

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1316999 - SW846 3550C										
Blank (1316999-BLK1)				Prepared: 18-Jul-13 Analyzed: 19-Jul-13						
Aroclor-1268 [2C]	< 9.90	U	µg/kg wet	9.90						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	14.0		µg/kg wet		20.0		70	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	16.0		µg/kg wet		20.0		80	30-150		
Surrogate: Decachlorobiphenyl (Sr)	20.0		µg/kg wet		20.0		100	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	23.0		µg/kg wet		20.0		115	30-150		
LCS (1316999-BS1)				Prepared: 18-Jul-13 Analyzed: 19-Jul-13						
Aroclor-1016	246		µg/kg wet	14.9	250		98	40-140		
Aroclor-1016 [2C]	263		µg/kg wet	13.0	250		105	40-140		
Aroclor-1260	222		µg/kg wet	12.4	250		89	40-140		
Aroclor-1260 [2C]	266		µg/kg wet	10.0	250		106	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	15.0		µg/kg wet		20.0		75	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	15.0		µg/kg wet		20.0		75	30-150		
Surrogate: Decachlorobiphenyl (Sr)	21.0		µg/kg wet		20.0		105	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	25.0		µg/kg wet		20.0		125	30-150		
LCS Dup (1316999-BSD1)				Prepared: 18-Jul-13 Analyzed: 19-Jul-13						
Aroclor-1016	246		µg/kg wet	14.9	250		98	40-140	0	30
Aroclor-1016 [2C]	266		µg/kg wet	13.0	250		106	40-140	1	30
Aroclor-1260	219		µg/kg wet	12.4	250		88	40-140	1	30
Aroclor-1260 [2C]	259		µg/kg wet	10.0	250		104	40-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	15.0		µg/kg wet		20.0		75	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	15.0		µg/kg wet		20.0		75	30-150		
Surrogate: Decachlorobiphenyl (Sr)	21.0		µg/kg wet		20.0		105	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	25.0		µg/kg wet		20.0		125	30-150		
Duplicate (1316999-DUP1)				Source: SB73342-21		Prepared: 18-Jul-13 Analyzed: 19-Jul-13				
Aroclor-1016	< 19.8	U	µg/kg dry	19.8		BRL				30
Aroclor-1016 [2C]	< 17.3	U	µg/kg dry	17.3		BRL				30
Aroclor-1221	< 23.9	U	µg/kg dry	23.9		BRL				30
Aroclor-1221 [2C]	< 19.1	U	µg/kg dry	19.1		BRL				30
Aroclor-1232	< 17.1	U	µg/kg dry	17.1		BRL				30
Aroclor-1232 [2C]	< 20.8	U	µg/kg dry	20.8		BRL				30
Aroclor-1242	< 16.0	U	µg/kg dry	16.0		BRL				30
Aroclor-1242 [2C]	< 12.8	U	µg/kg dry	12.8		BRL				30
Aroclor-1248	< 13.8	U	µg/kg dry	13.8		BRL				30
Aroclor-1248 [2C]	< 11.7	U	µg/kg dry	11.7		BRL				30
Aroclor-1254	< 22.1	U	µg/kg dry	22.1		BRL				30
Aroclor-1254 [2C]	< 15.6	U	µg/kg dry	15.6		BRL				30
Aroclor-1260	< 16.5	U	µg/kg dry	16.5		BRL				30
Aroclor-1260 [2C]	< 13.3	U	µg/kg dry	13.3		BRL				30
Aroclor-1262	< 24.7	U	µg/kg dry	24.7		BRL				30
Aroclor-1262 [2C]	< 25.5	U	µg/kg dry	25.5		BRL				30
Aroclor-1268	< 11.0	U	µg/kg dry	11.0		BRL				30
Aroclor-1268 [2C]	< 13.2	U	µg/kg dry	13.2		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	31.9		µg/kg dry		26.6		120	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	34.5		µg/kg dry		26.6		130	30-150		
Surrogate: Decachlorobiphenyl (Sr)	34.5		µg/kg dry		26.6		130	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	39.8		µg/kg dry		26.6		150	30-150		
Matrix Spike (1316999-MS1)				Source: SB73342-21		Prepared: 18-Jul-13 Analyzed: 19-Jul-13				
Aroclor-1016	420		µg/kg dry	19.8	332	BRL	126	40-140		
Aroclor-1016 [2C]	370		µg/kg dry	17.3	332	BRL	112	40-140		
Aroclor-1260	410		µg/kg dry	16.5	332	BRL	124	40-140		

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1316999 - SW846 3550C										
<u>Matrix Spike (1316999-MS1)</u>				<u>Source: SB73342-21</u>				<u>Prepared: 18-Jul-13 Analyzed: 19-Jul-13</u>		
Aroclor-1260 [2C]	402		µg/kg dry	13.3	332	BRL	121	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	33.2		µg/kg dry		26.6		125	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	33.2		µg/kg dry		26.6		125	30-150		
Surrogate: Decachlorobiphenyl (Sr)	37.2		µg/kg dry		26.6		140	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	38.5		µg/kg dry		26.6		145	30-150		
<u>Matrix Spike Dup (1316999-MSD1)</u>				<u>Source: SB73342-21</u>				<u>Prepared: 18-Jul-13 Analyzed: 19-Jul-13</u>		
Aroclor-1016	398		µg/kg dry	19.9	332	BRL	120	40-140	6	30
Aroclor-1016 [2C]	376		µg/kg dry	17.3	332	BRL	113	40-140	1	30
Aroclor-1260	346		µg/kg dry	16.5	332	BRL	104	40-140	17	30
Aroclor-1260 [2C]	392		µg/kg dry	13.3	332	BRL	118	40-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	30.6		µg/kg dry		26.6		115	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	29.3		µg/kg dry		26.6		110	30-150		
Surrogate: Decachlorobiphenyl (Sr)	33.2		µg/kg dry		26.6		125	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	33.2		µg/kg dry		26.6		125	30-150		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1316967 - General Preparation										
Duplicate (1316967-DUP1)				Source: SB73342-33		Prepared & Analyzed: 18-Jul-13				
% Solids	87.2		%			87.7			0.5	20

Notes and Definitions

J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

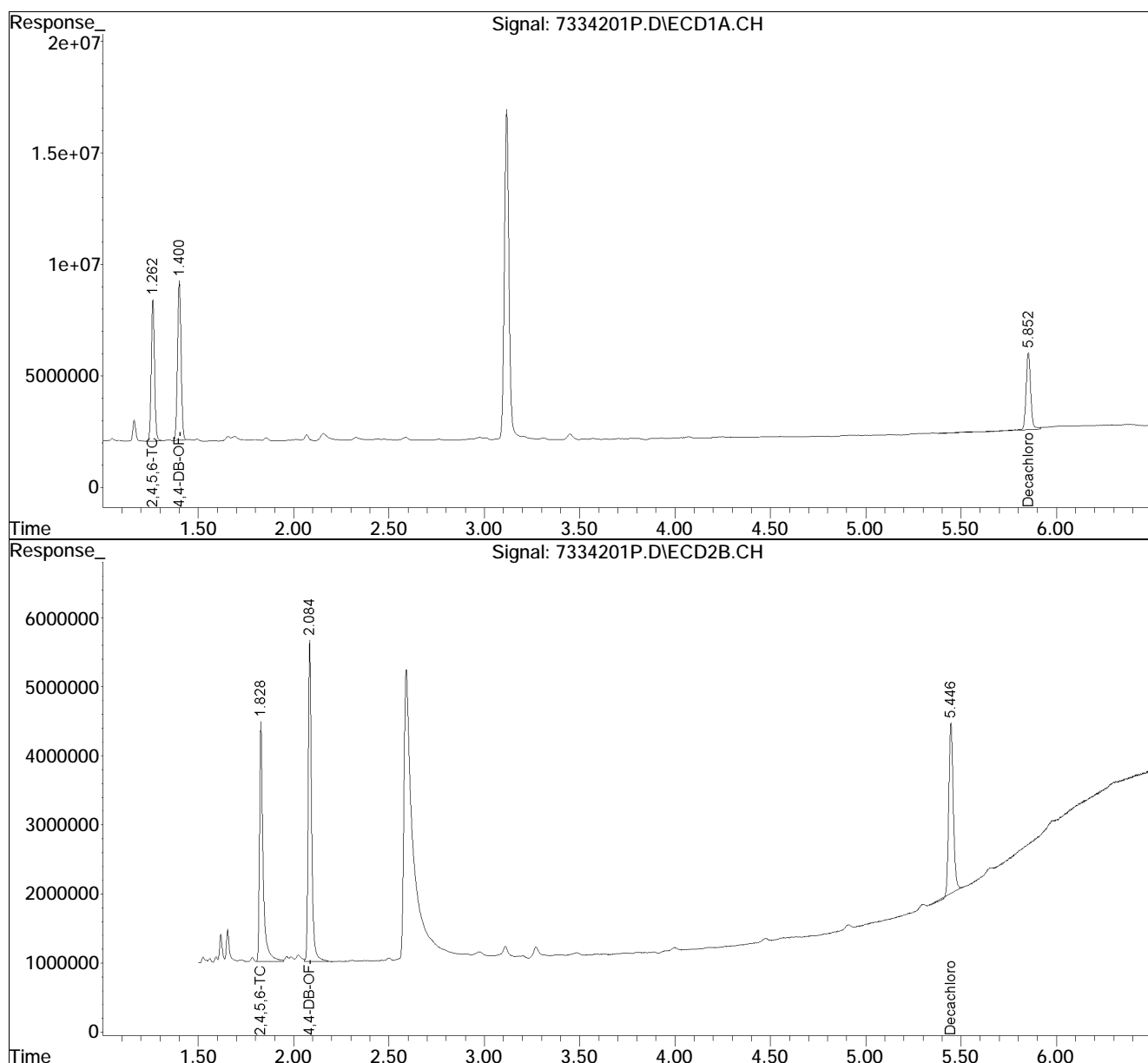
Validated by:
Kimberly Wisk

Data File : C:\msdchem\1\DATA\PCB120719\7334201P.D Vial: 11
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 5:43 pm Operator: IMR
Sample : SB73342-01 @ SS-1 Inst : HPS12
Misc : _[] Multiplr: 1.00

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Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 10:07:07 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

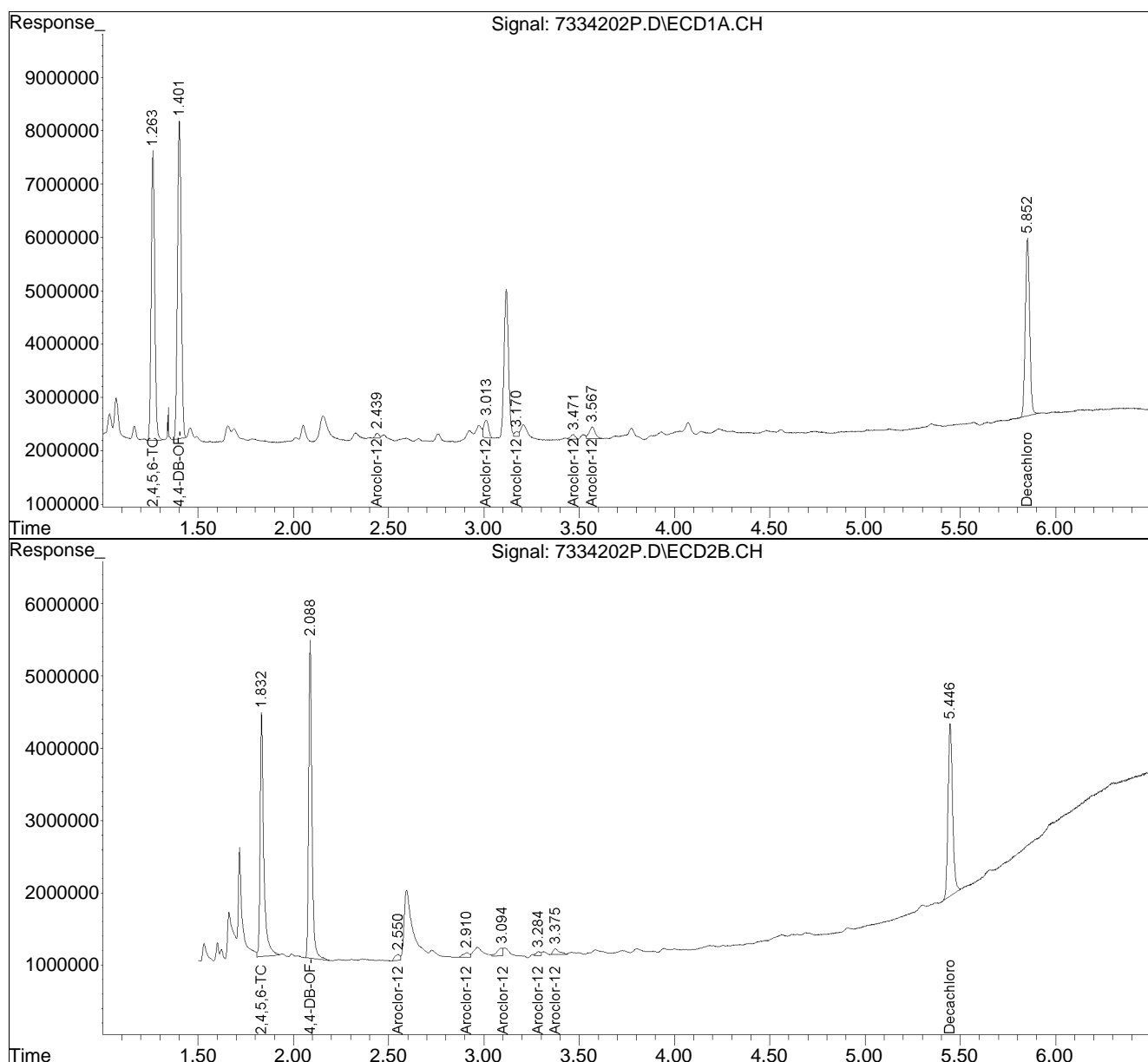


Data File : C:\msdchem\1\DATA\PCB120719\7334202P.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 5:53 pm Operator: IMR
Sample : SB73342-02 @ SS-2 Inst : HPS12
Misc : _[] Multiplr: 1.00

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Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:20:41 2013
Quant Results File: 54120716.RES

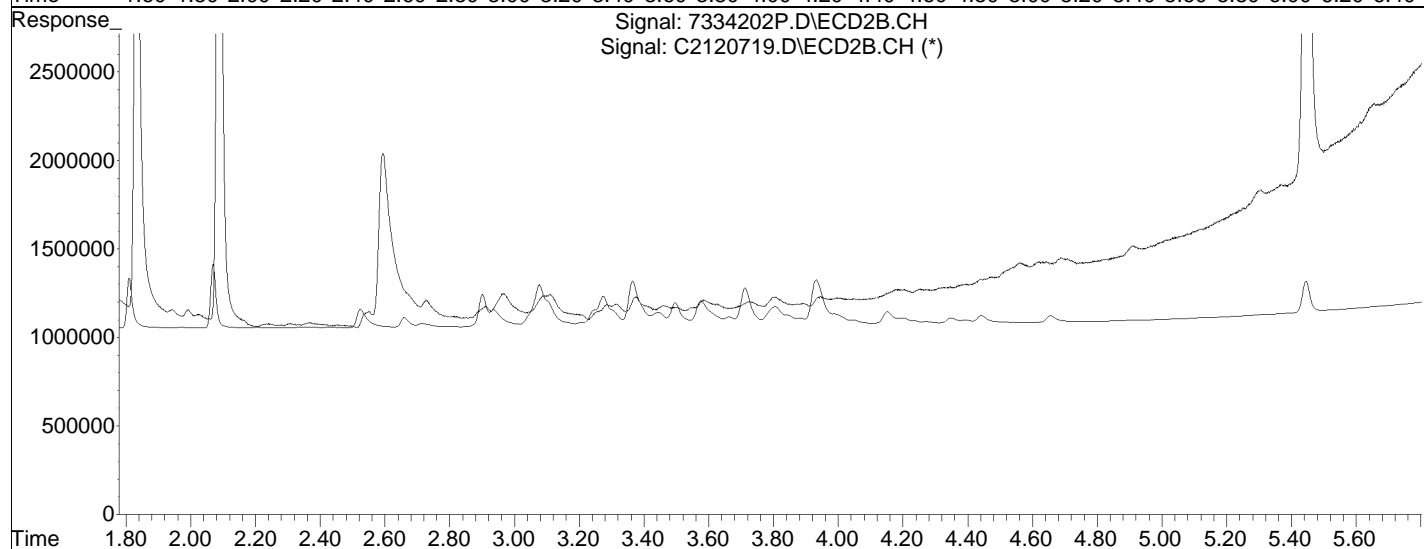
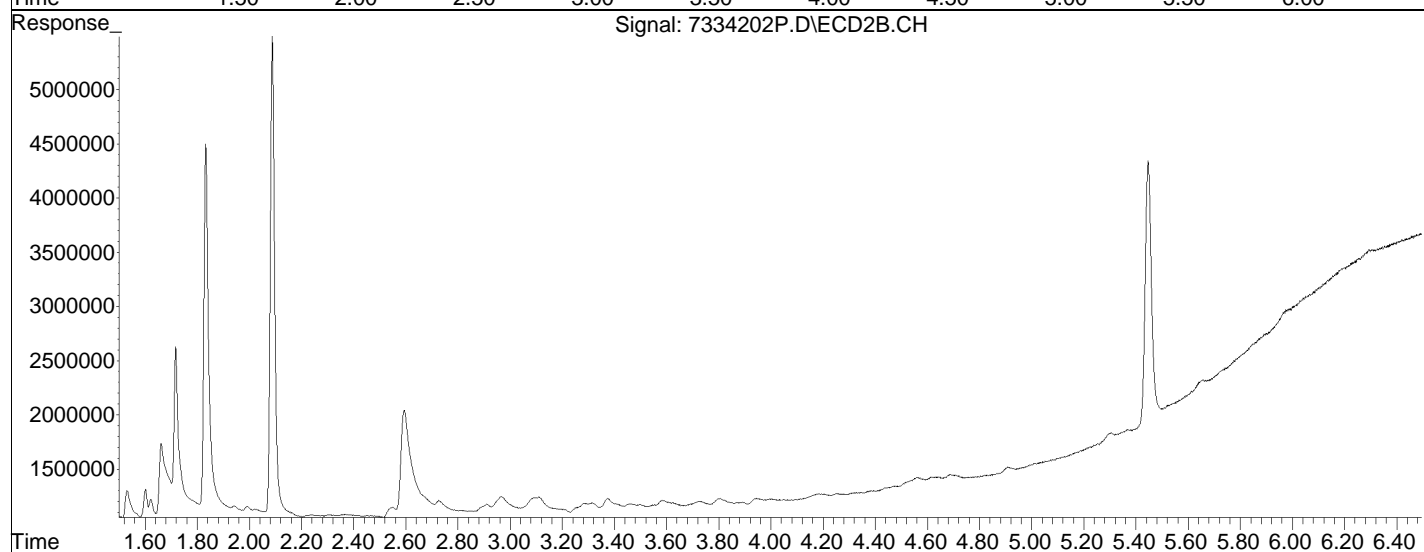
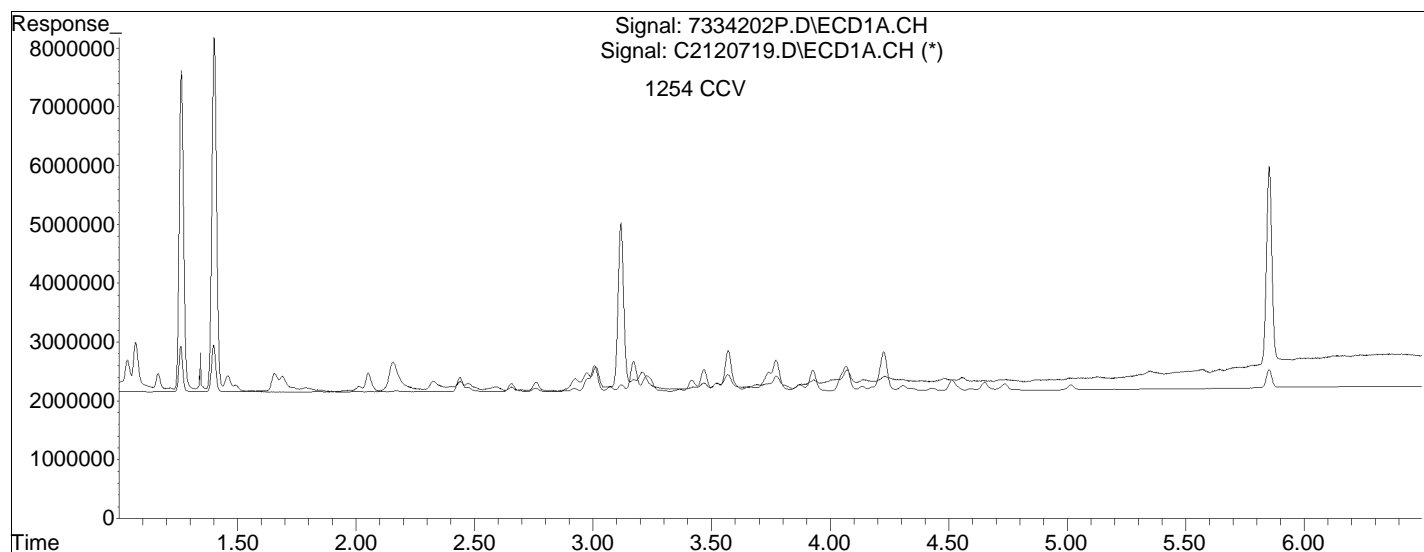
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Quant Title : GC PCB 1254 Method EPA 608 SW-846 8082
QLast Update : Tue Jul 16 14:30:37 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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



File :C:\msdchem\1\DATA\PCB120719\7334202P.D
Operator : IMR
Acquired : 19 Jul 2013 5:53 pm using AcqMethod 60120716.M
Instrument : HP G1530A
Sample Name: SB73342-02 @ SS-2
Misc Info :
Vial Number: 12

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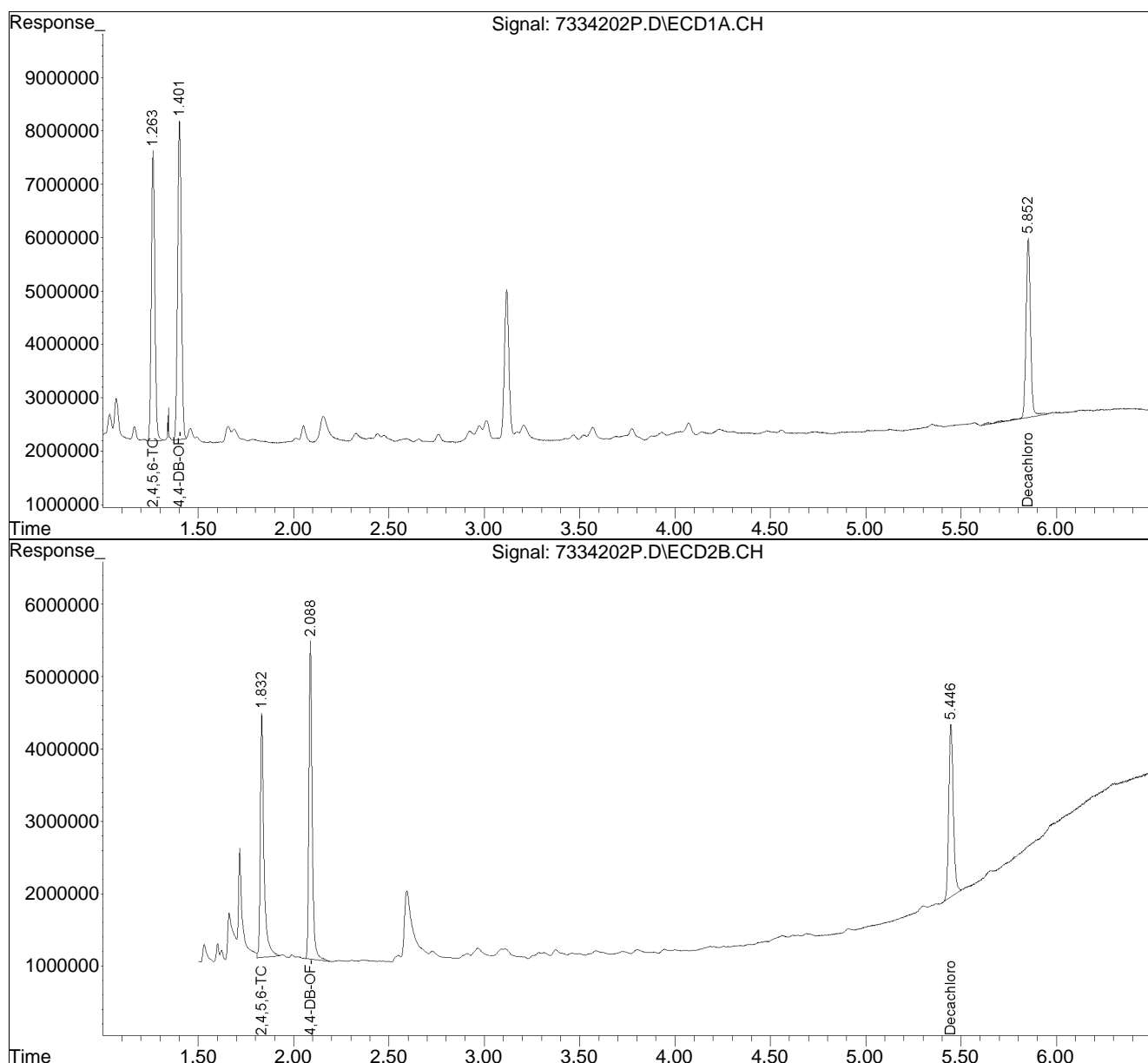


Data File : C:\msdchem\1\DATA\PCB120719\7334202P.D Vial: 12
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 5:53 pm Operator: IMR
Sample : SB73342-02 @ SS-2 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:22:09 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

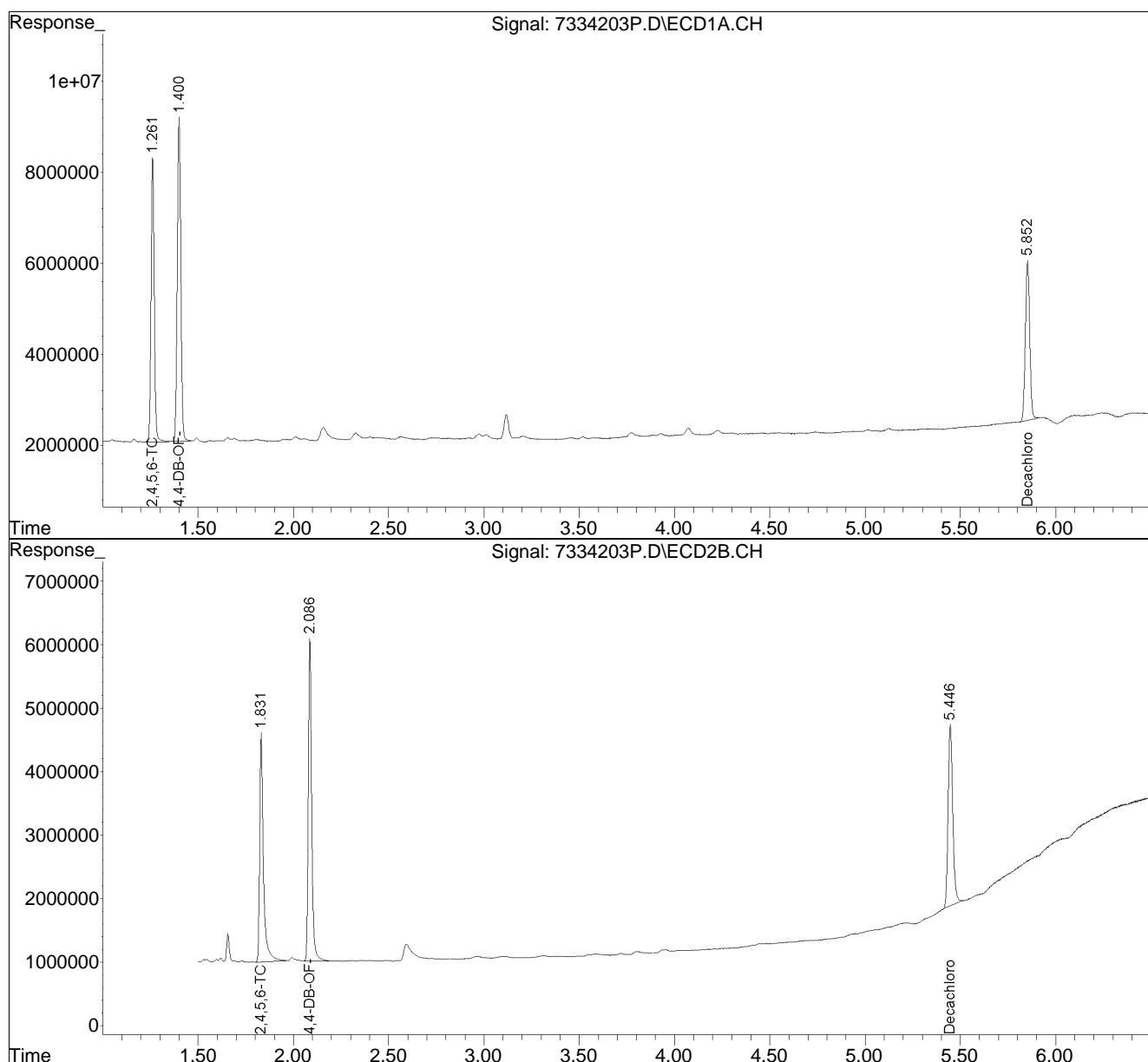


Data File : C:\msdchem\1\DATA\PCB120719\7334203P.D Vial: 13
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 6:03 pm Operator: IMR
Sample : SB73342-03 @ SS-3 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:22:38 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

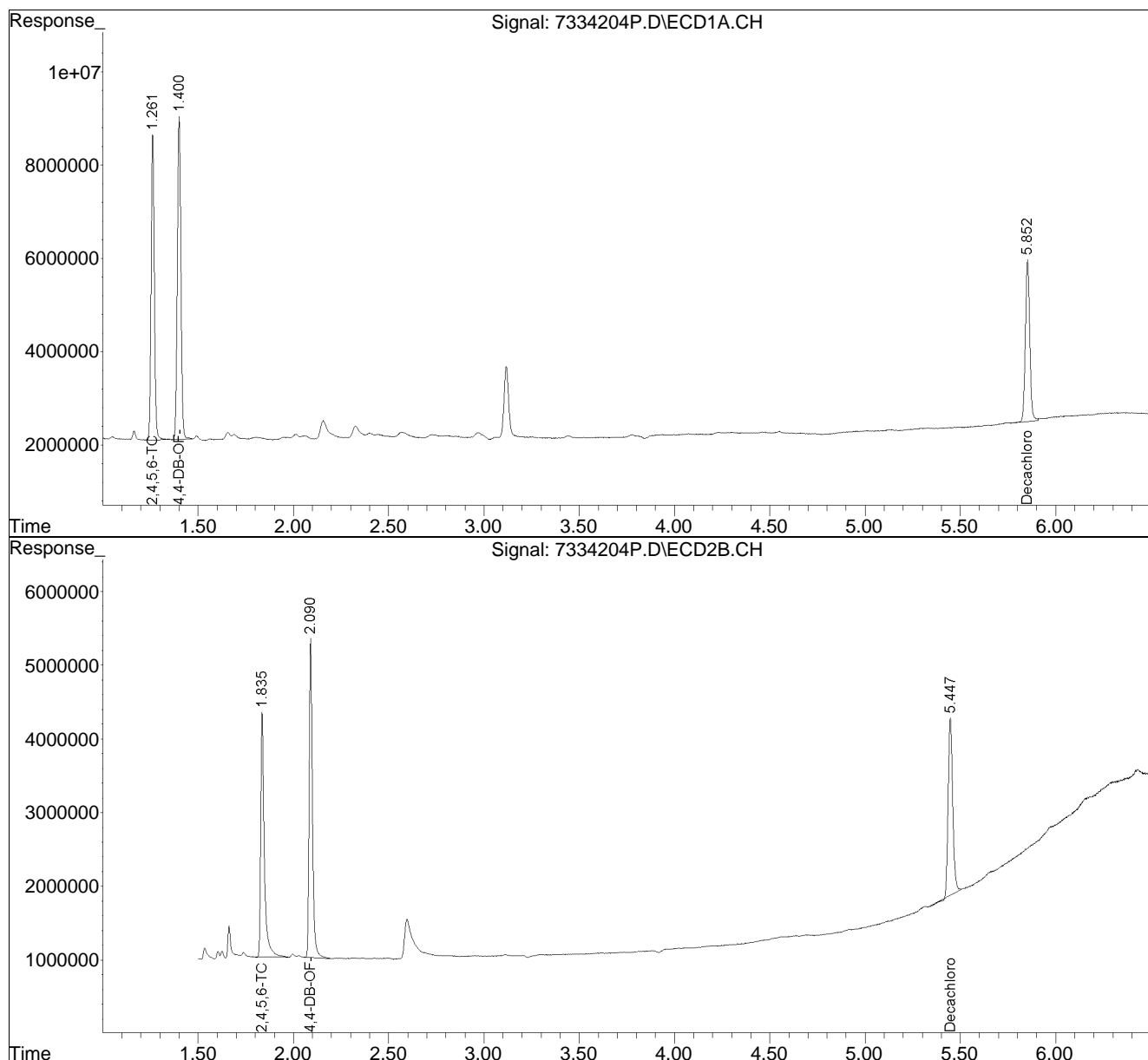


Data File : C:\msdchem\1\DATA\PCB120719\7334204P.D Vial: 14
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 6:13 pm Operator: IMR
Sample : SB73342-04 @ SS-4 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:28:04 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

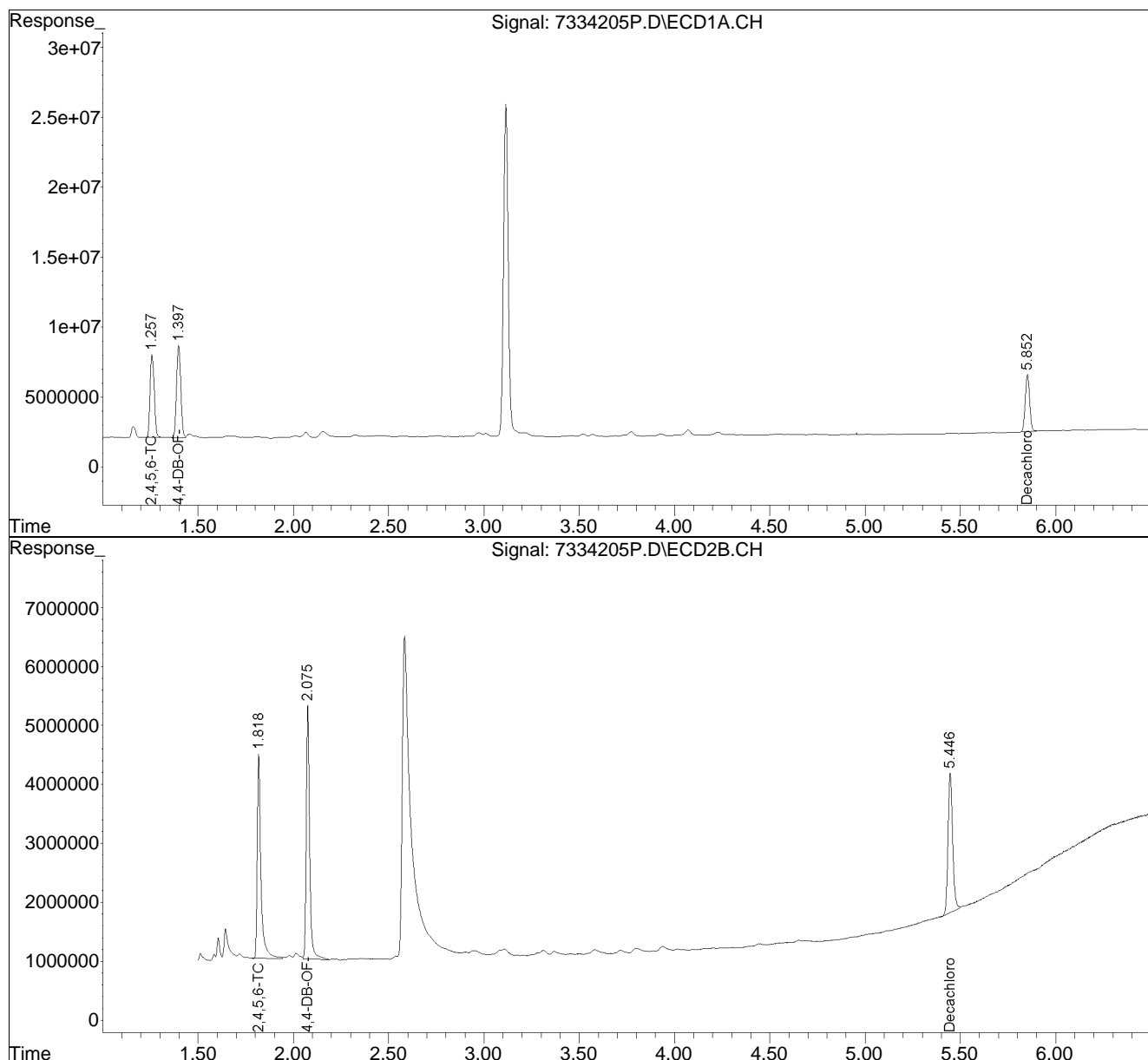


Data File : C:\msdchem\1\DATA\PCB120719\7334205P.D Vial: 15
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 6:22 pm Operator: IMR
Sample : SB73342-05 @ SS-5 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:28:40 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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



(QT Reviewed)

Data File : C:\msdchem\1\DATA\PCB120719\7334206P.D Vial: 16
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 6:32 pm Operator: IMR
Sample : SB73342-06 @ SS-6 Inst : HPS12
Misc : _[] Multiplr: 1.00

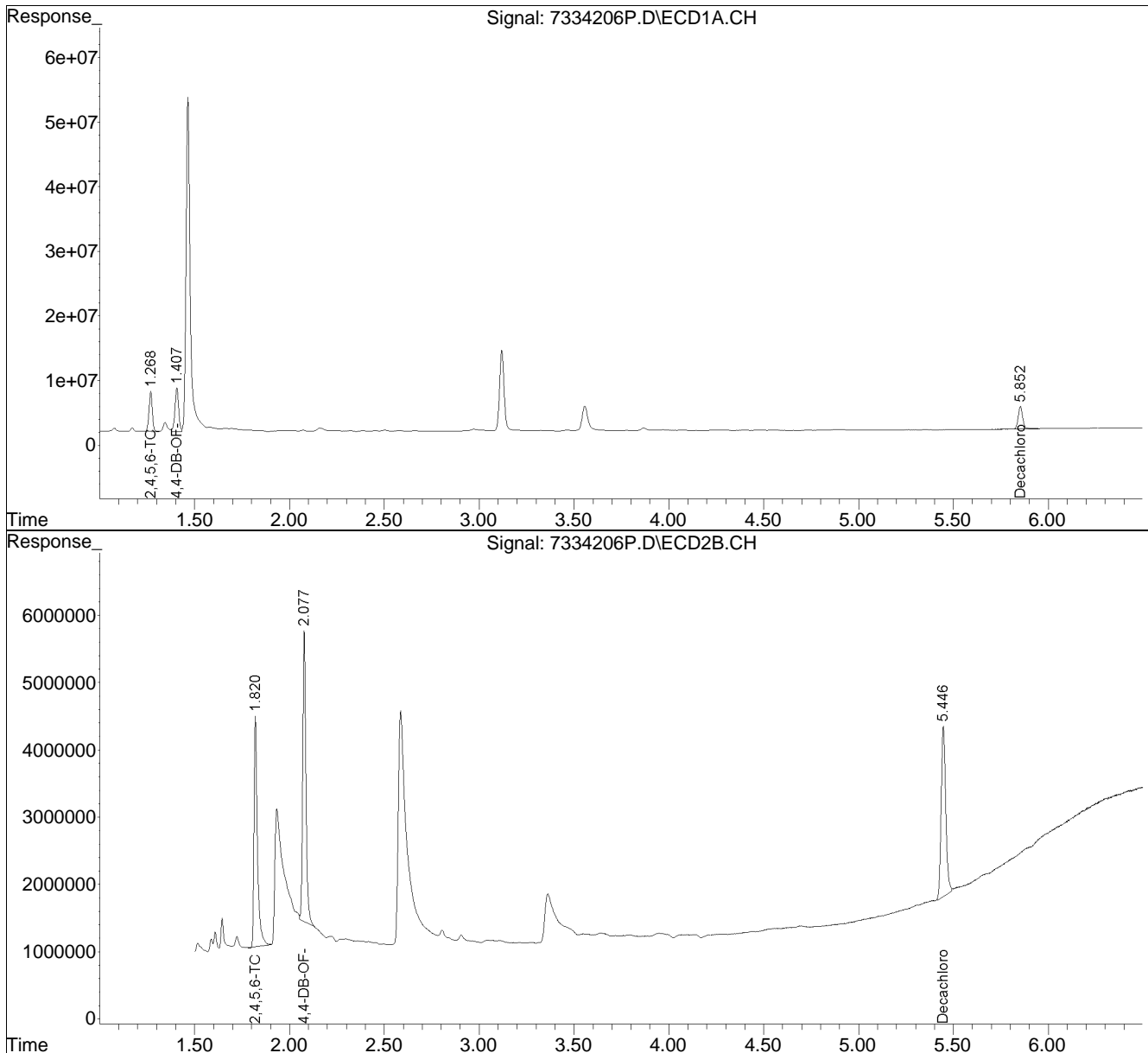
```
Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:29:07 2013
Quant Results File: 60120716.RES
```

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

```

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

```

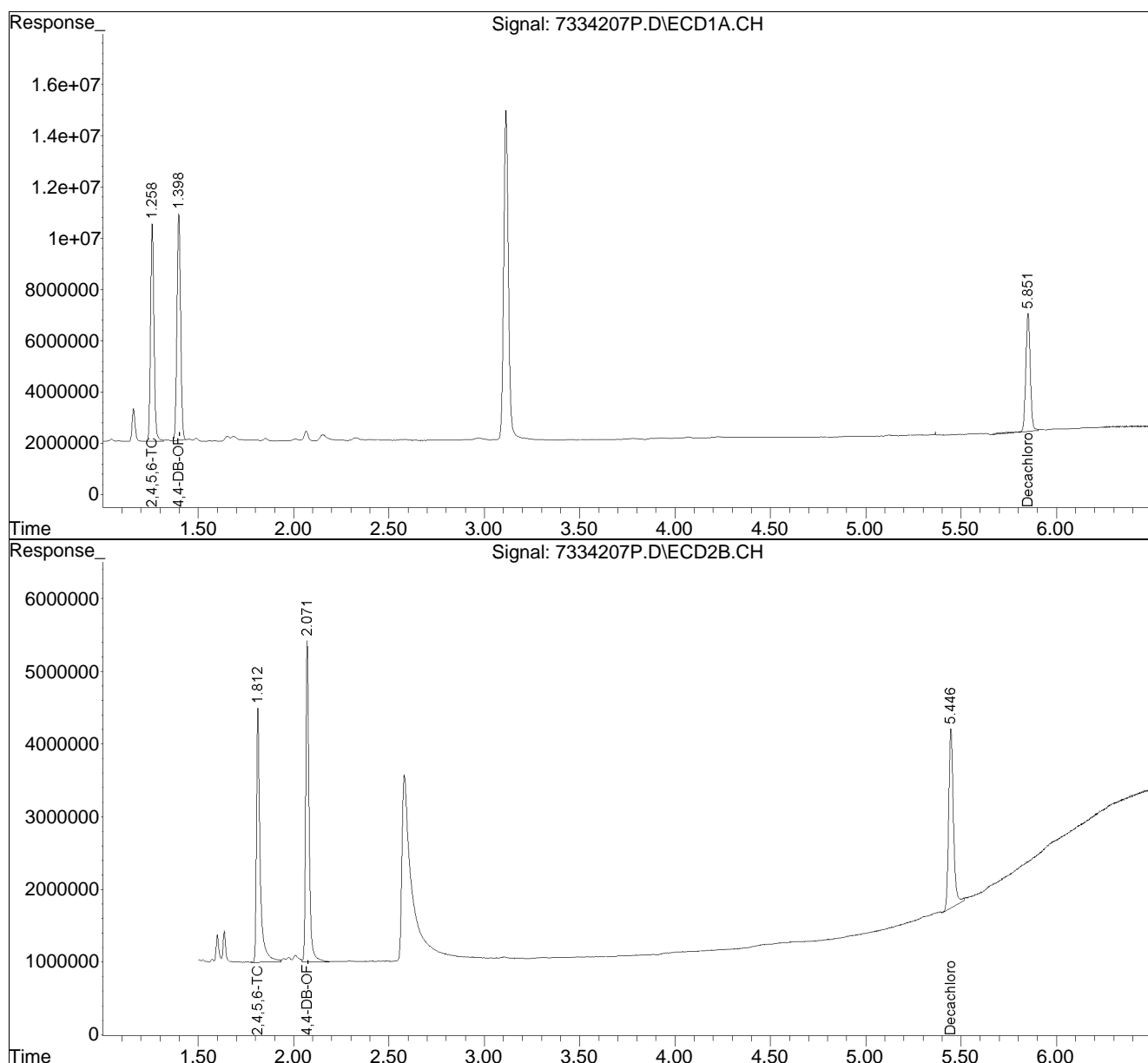


Data File : C:\msdchem\1\DATA\PCB120719\7334207P.D Vial: 17
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 6:42 pm Operator: IMR
Sample : SB73342-07 @ SS-7 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:29:26 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

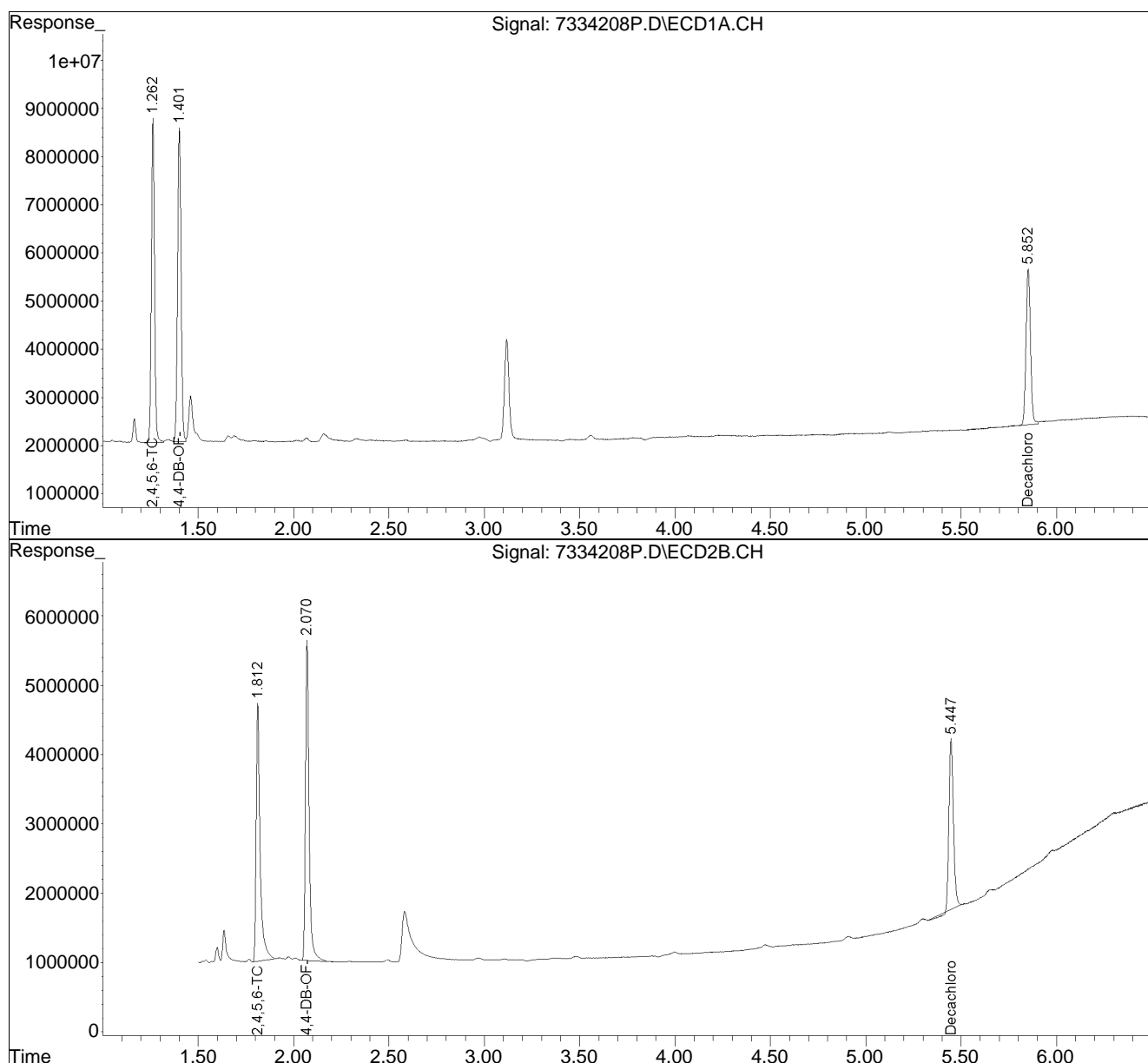


Data File : C:\msdchem\1\DATA\PCB120719\7334208P.D Vial: 18
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 6:52 pm Operator: IMR
Sample : SB73342-08 @ SS-8 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:29:42 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

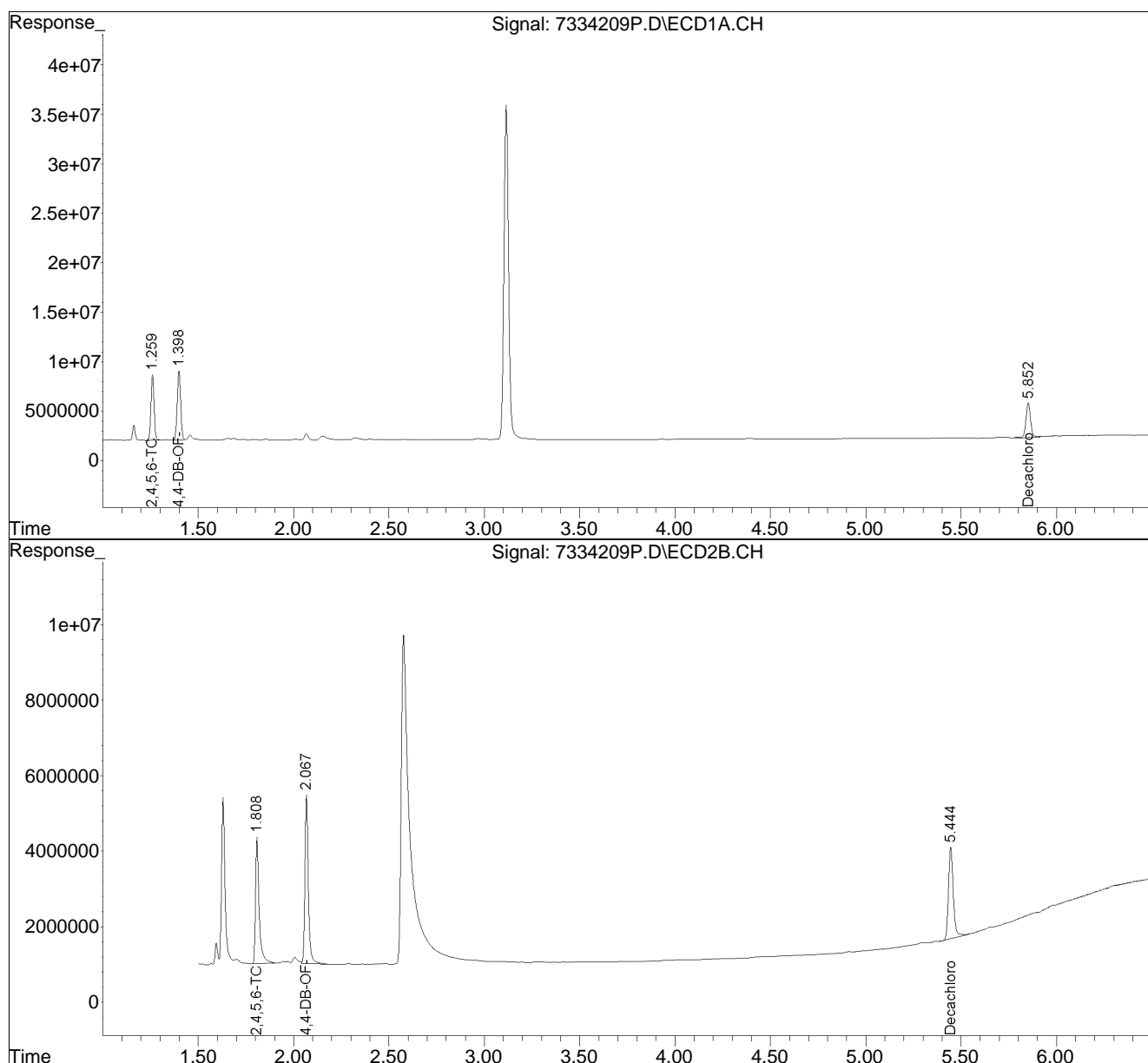


Data File : C:\msdchem\1\DATA\PCB120719\7334209P.D Vial: 19
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 7:02 pm Operator: IMR
Sample : SB73342-09 @ SS-9 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:30:03 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

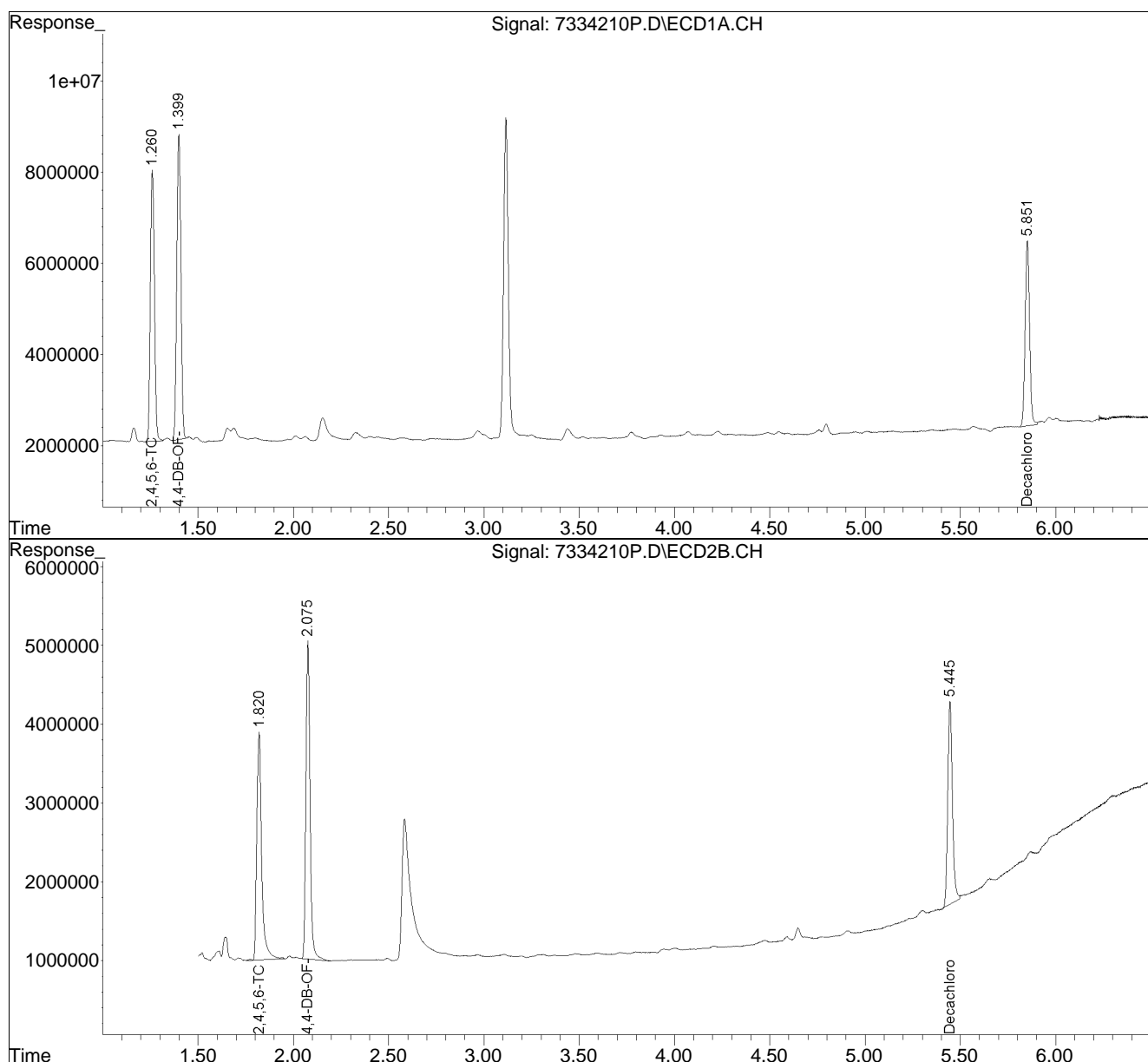


Data File : C:\msdchem\1\DATA\PCB120719\7334210P.D Vial: 20
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 7:12 pm Operator: IMR
Sample : SB73342-10 @ SS-10 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:30:20 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

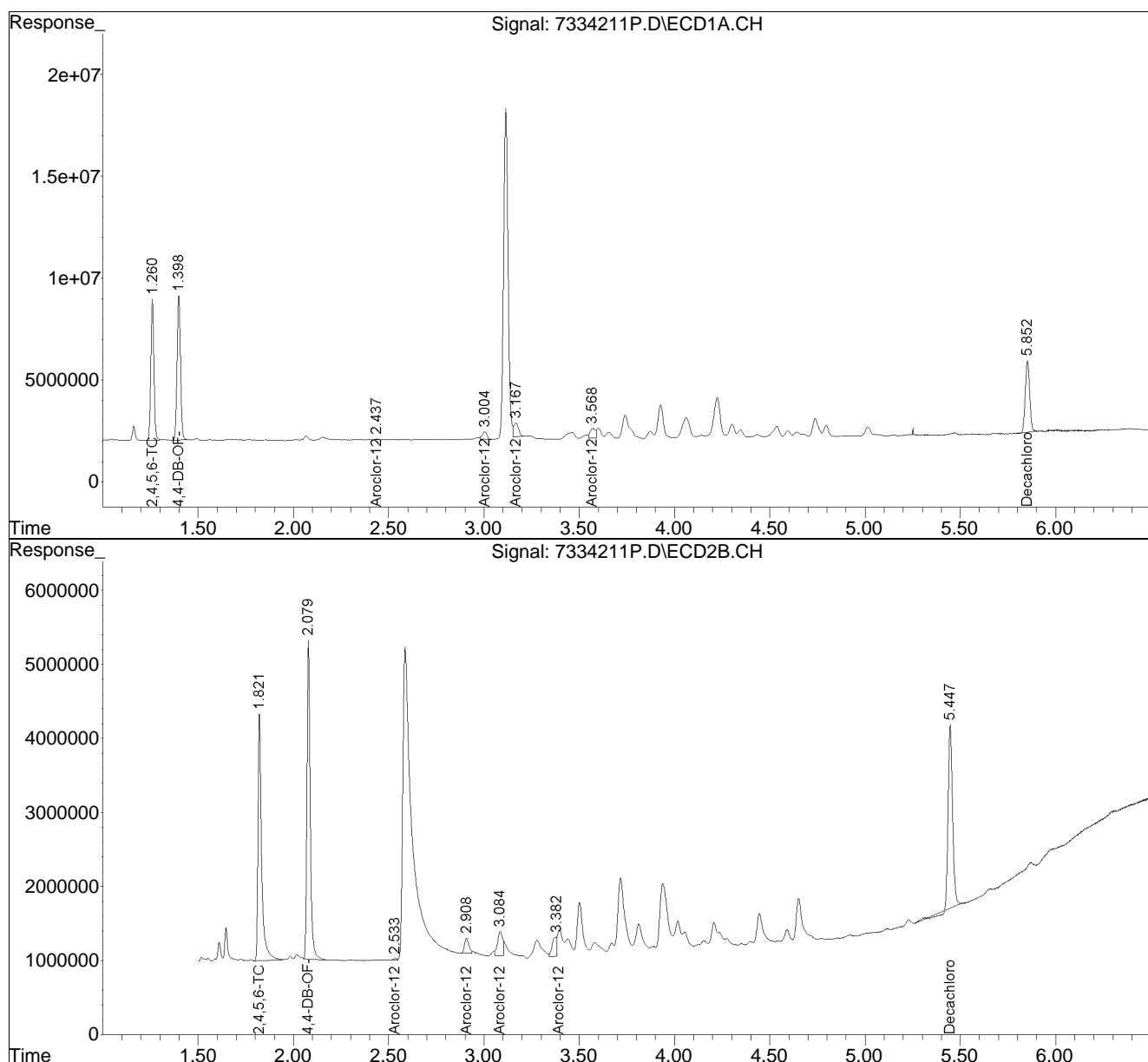


Data File : C:\msdchem\1\DATA\PCB120719\7334211P.D Vial: 21
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 7:22 pm Operator: IMR
Sample : SB73342-11 @ SS-11 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:34:19 2013
Quant Results File: 54120716.RES

Quant Method : C:\msdchem\1\METHODS\PCB120716\54120716.M
Quant Title : GC PCB 1254 Method EPA 608 SW-846 8082
QLast Update : Tue Jul 16 14:30:37 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

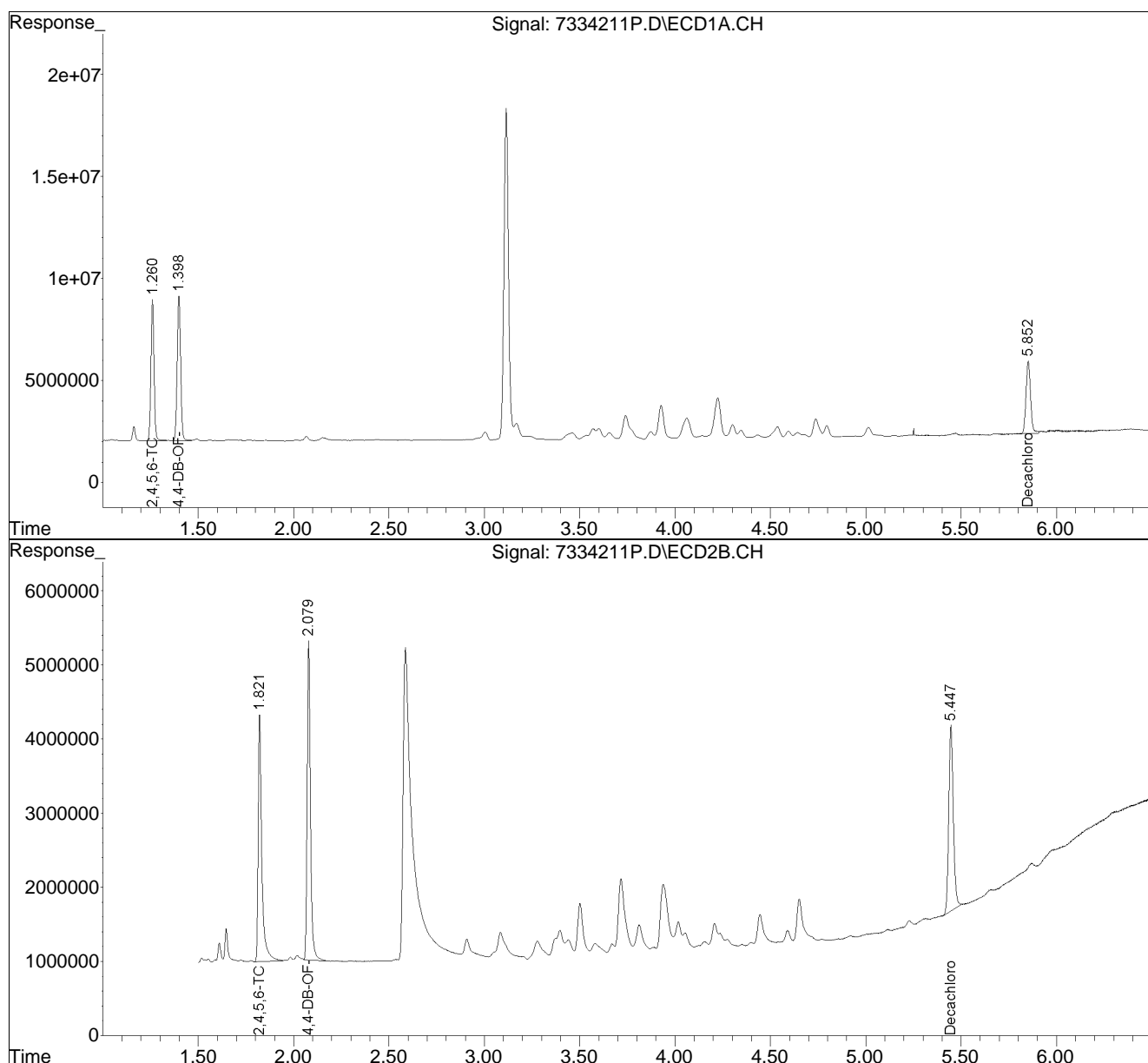


Data File : C:\msdchem\1\DATA\PCB120719\7334211P.D Vial: 21
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 7:22 pm Operator: IMR
Sample : SB73342-11 @ SS-11 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:35:03 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

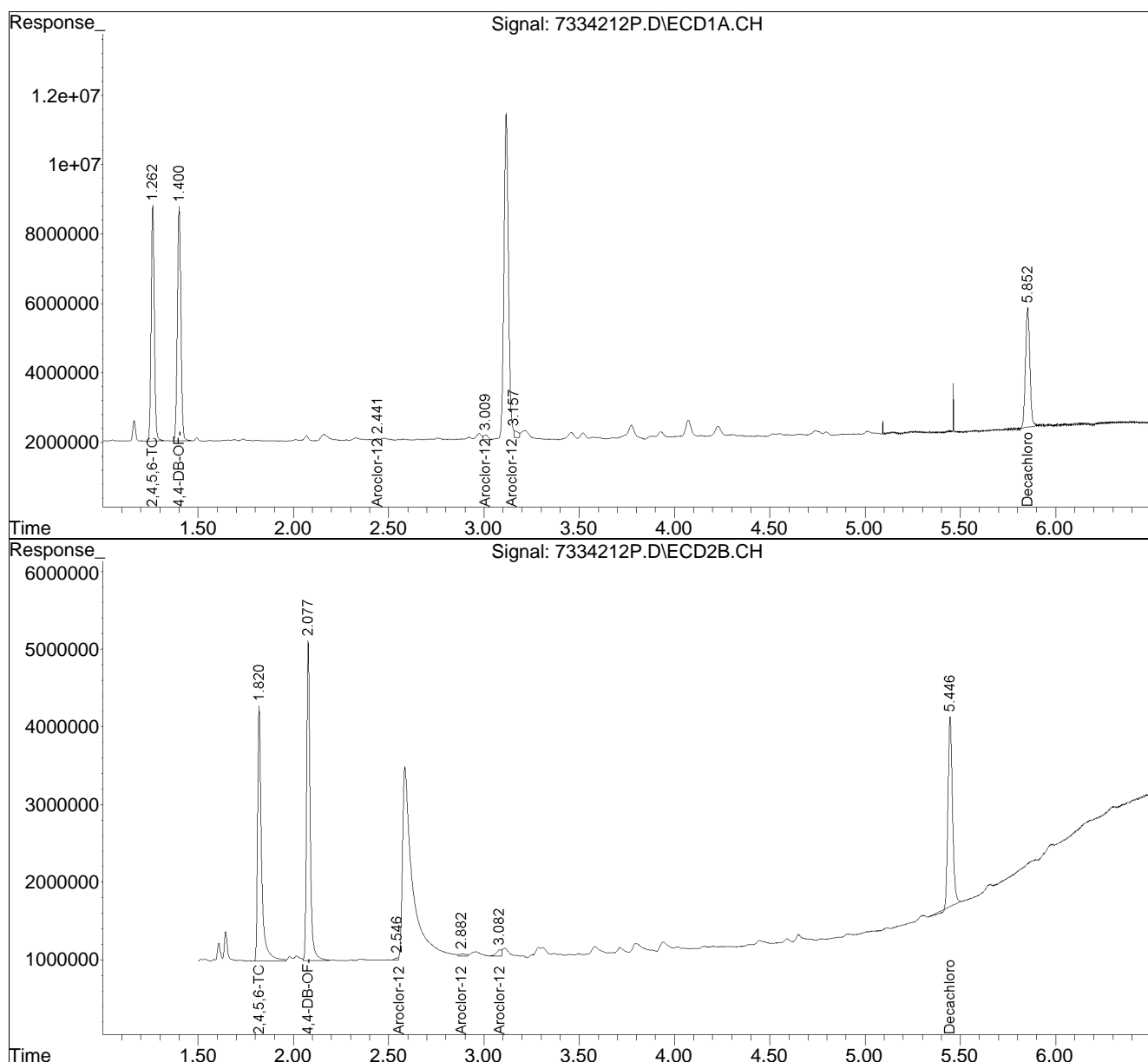


Data File : C:\msdchem\1\DATA\PCB120719\7334212P.D Vial: 22
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 7:31 pm Operator: IMR
Sample : SB73342-12 @ SS-12 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:36:07 2013
Quant Results File: 54120716.RES

Quant Method : C:\msdchem\1\METHODS\PCB120716\54120716.M
Quant Title : GC PCB 1254 Method EPA 608 SW-846 8082
QLast Update : Tue Jul 16 14:30:37 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

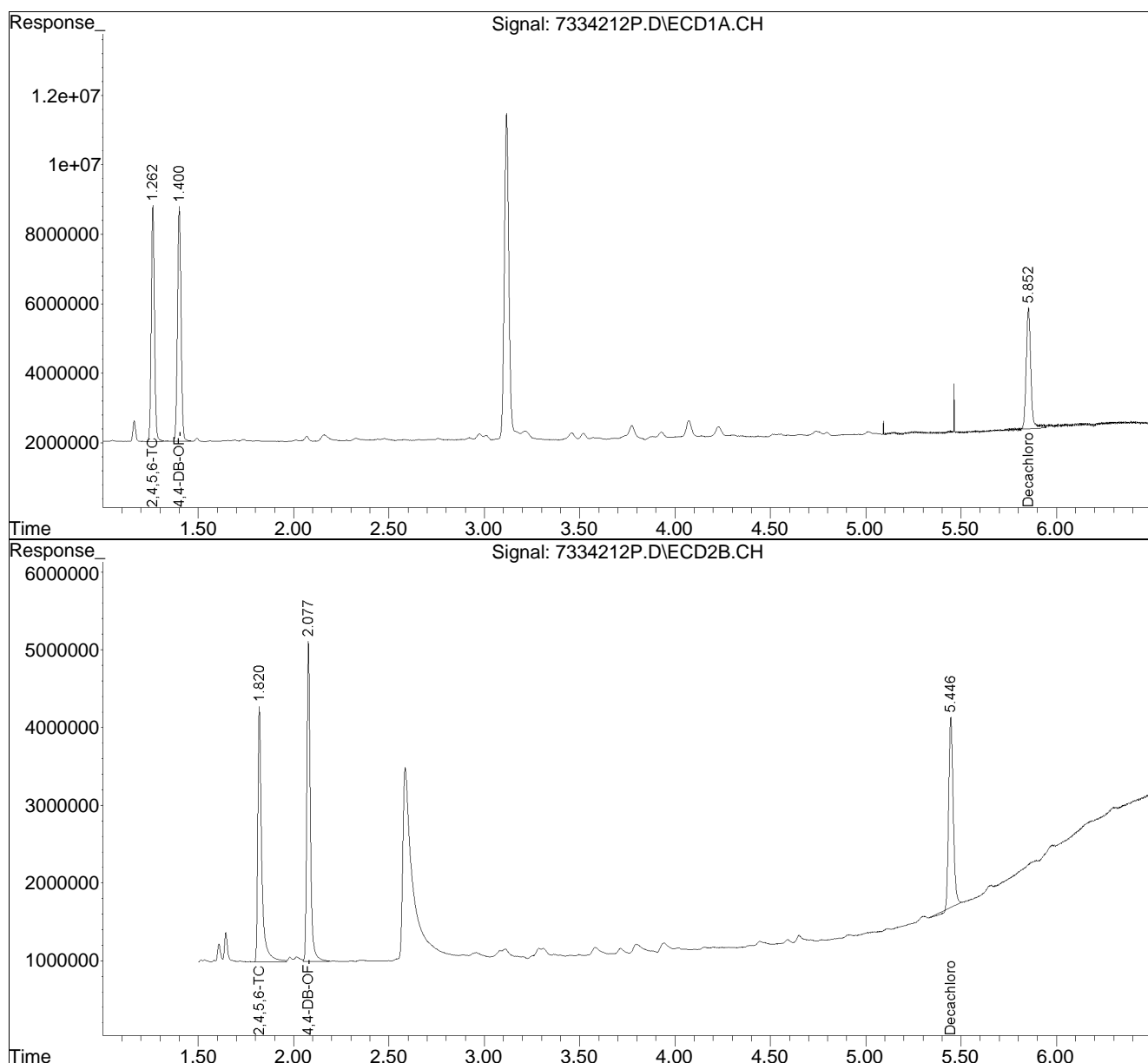


Data File : C:\msdchem\1\DATA\PCB120719\7334212P.D Vial: 22
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 7:31 pm Operator: IMR
Sample : SB73342-12 @ SS-12 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:36:39 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

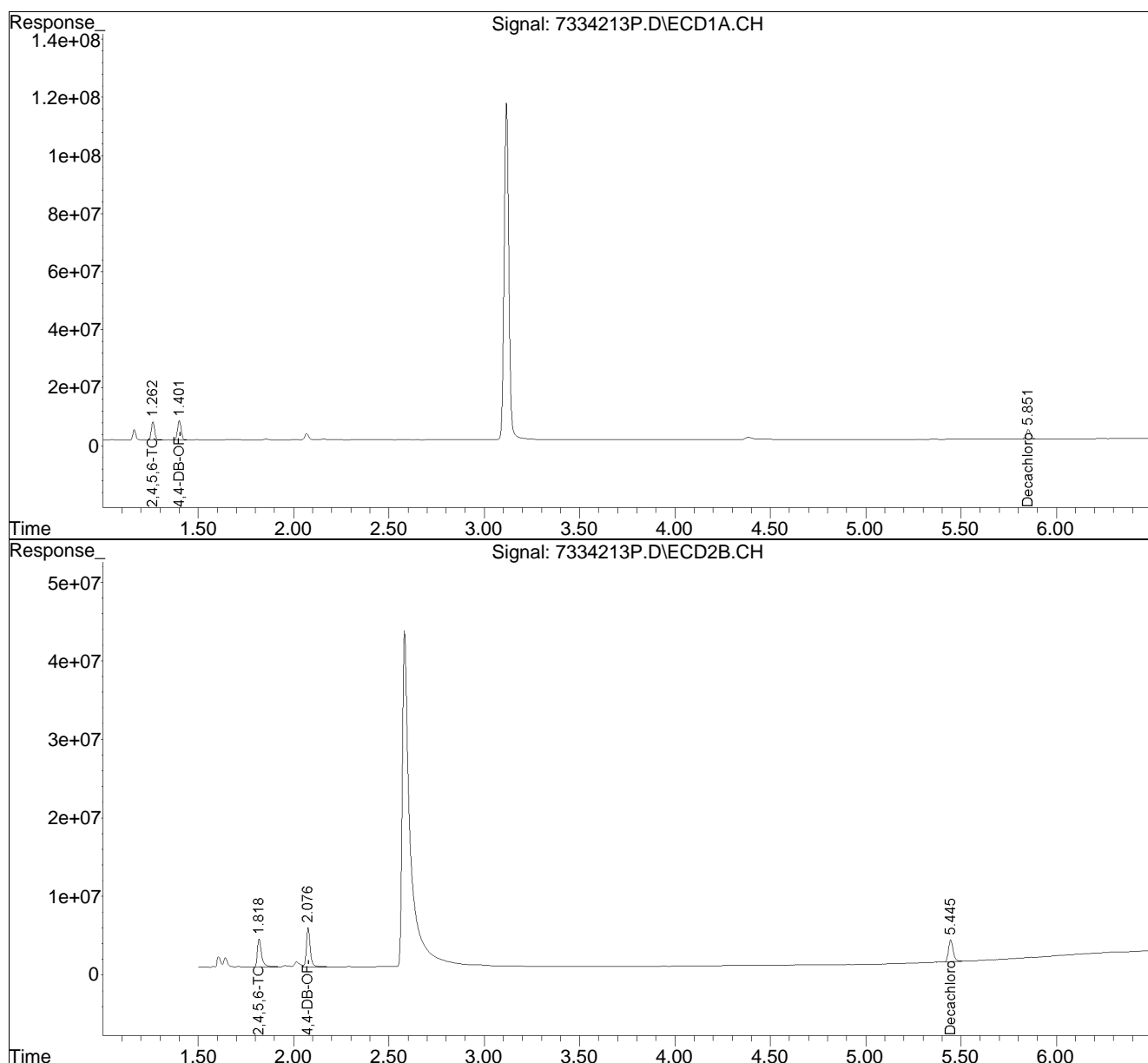


Data File : C:\msdchem\1\DATA\PCB120719\7334213P.D Vial: 23
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 7:41 pm Operator: IMR
Sample : SB73342-13 @ SS-13 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:37:45 2013
Quant Results File: 60120716.RES

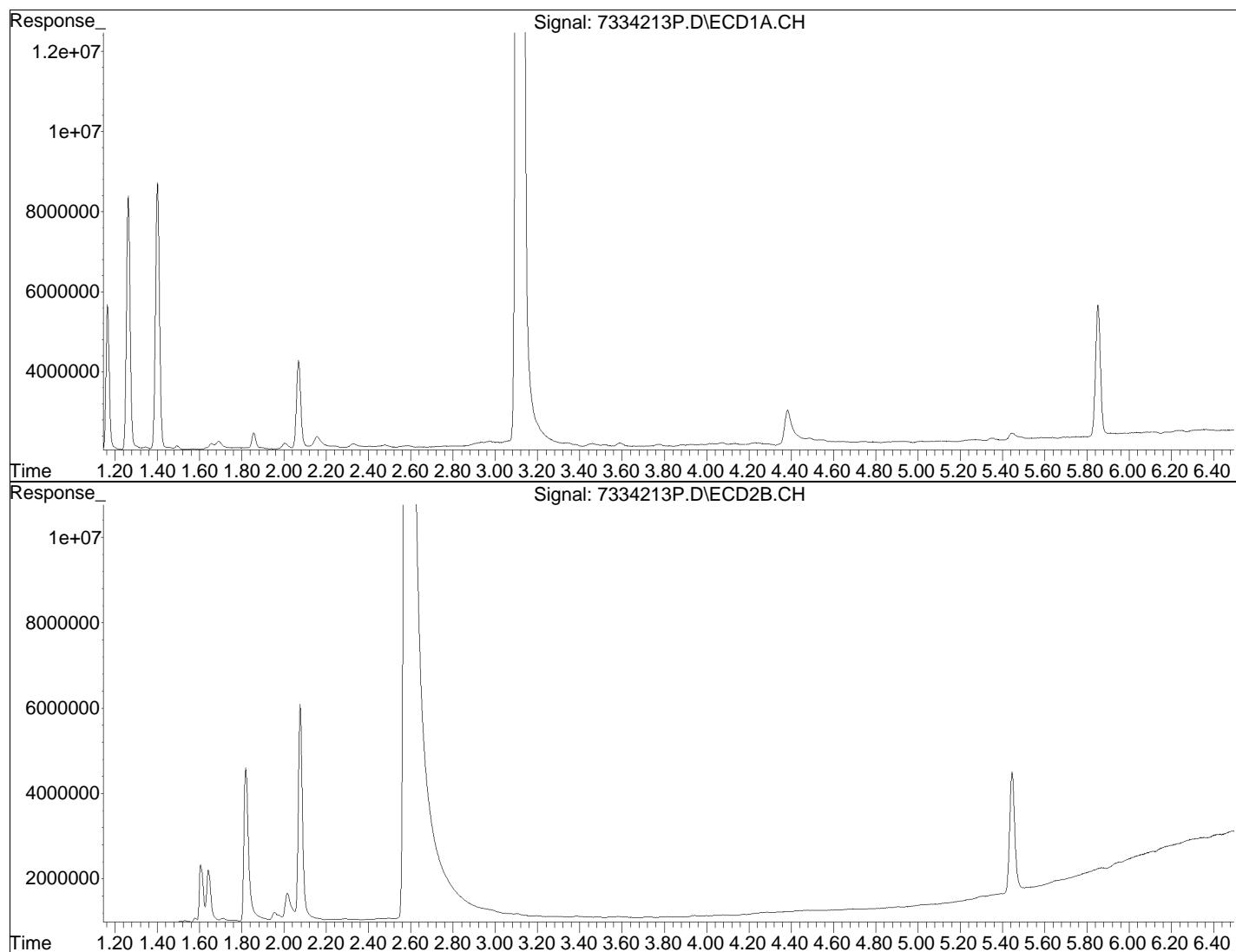
Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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



File :C:\msdchem\1\DATA\PCB120719\7334213P.D
Operator : IMR
Acquired : 19 Jul 2013 7:41 pm using AcqMethod 60120716.M
Instrument : HP G1530A
Sample Name: SB73342-13 @ SS-13
Misc Info :
Vial Number: 23

?????????

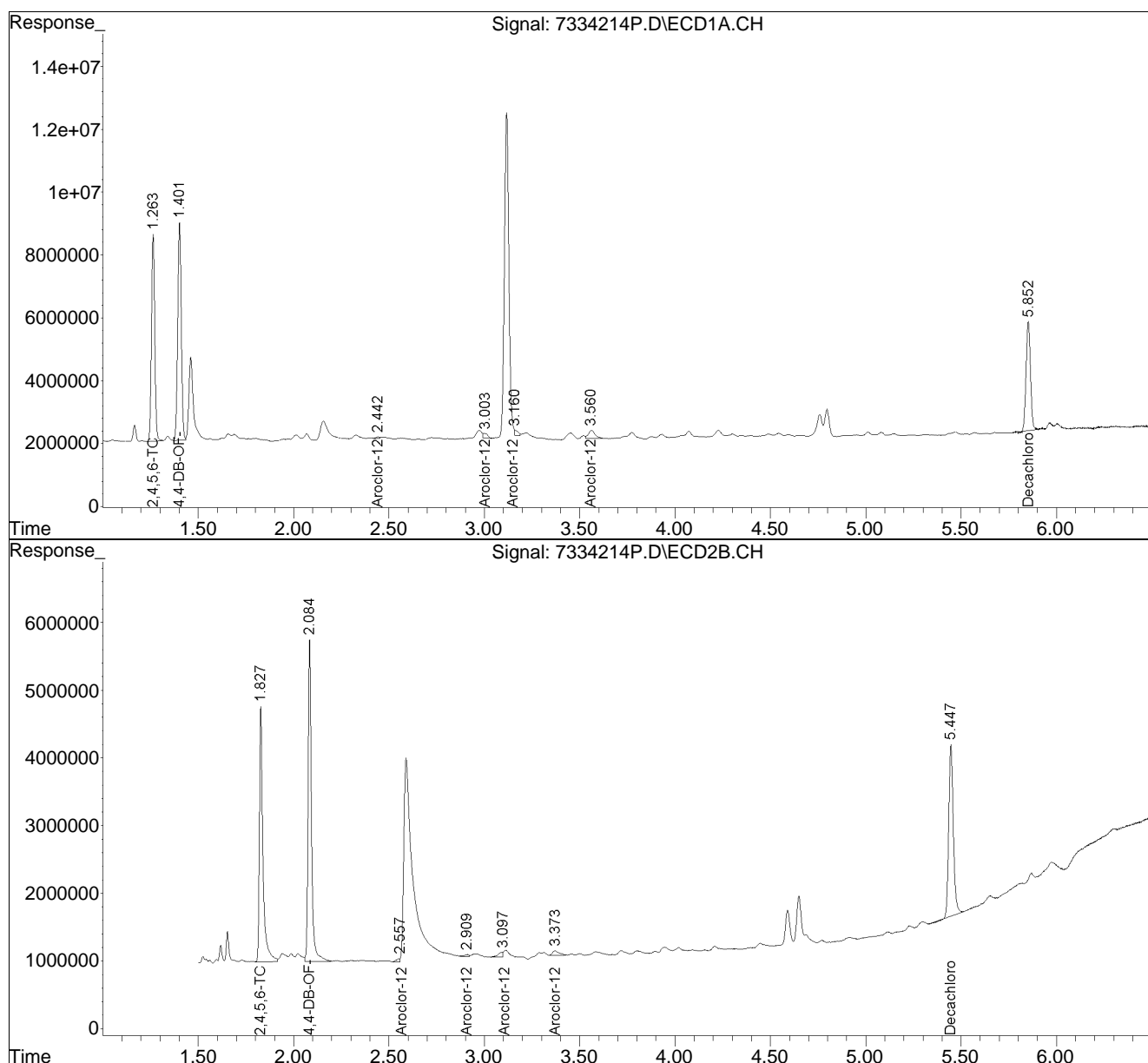


Data File : C:\msdchem\1\DATA\PCB120719\7334214P.D Vial: 24
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 7:51 pm Operator: IMR
Sample : SB73342-14 @ SS-14 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:39:13 2013
Quant Results File: 54120716.RES

Quant Method : C:\msdchem\1\METHODS\PCB120716\54120716.M
Quant Title : GC PCB 1254 Method EPA 608 SW-846 8082
QLast Update : Tue Jul 16 14:30:37 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

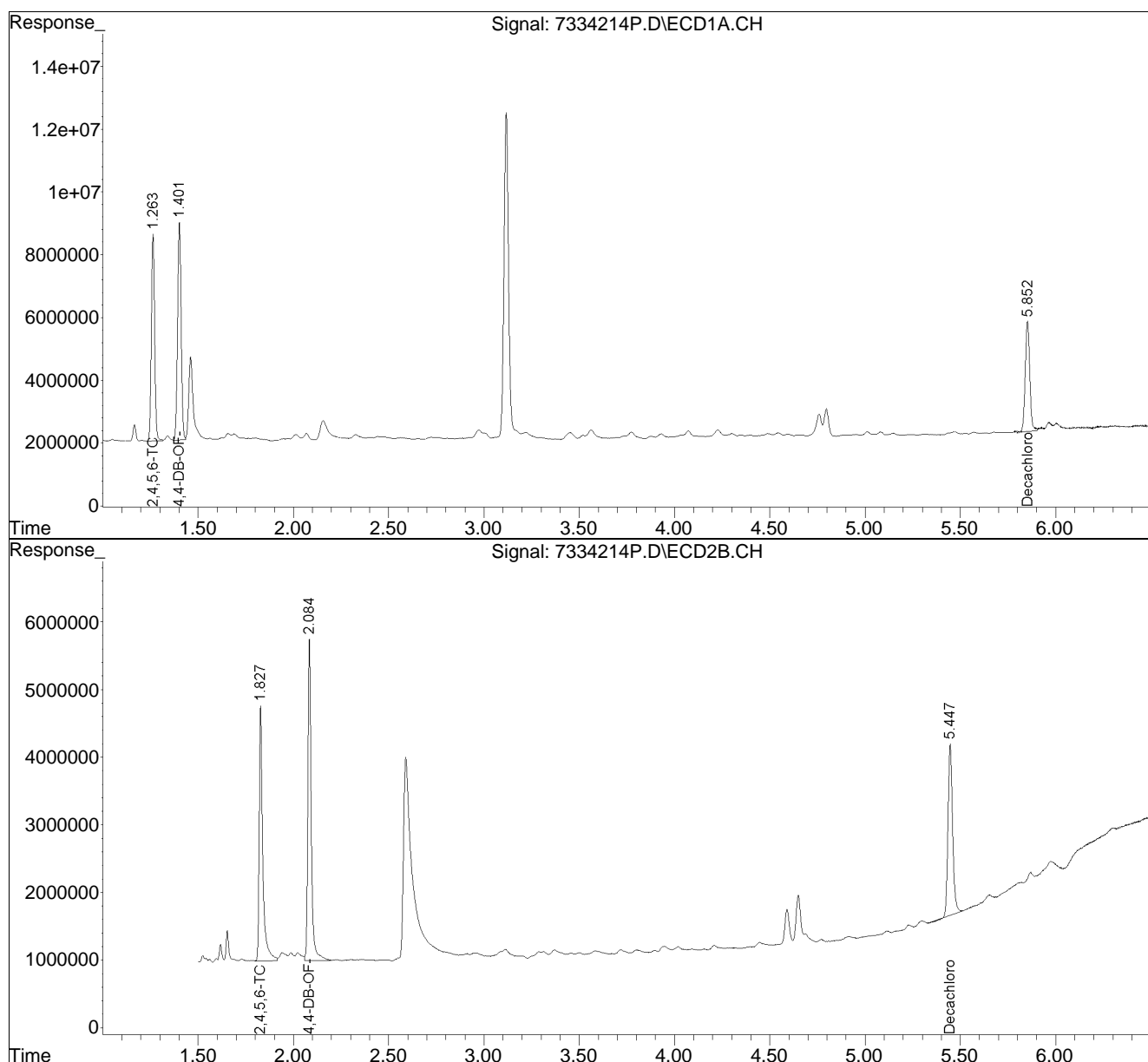


Data File : C:\msdchem\1\DATA\PCB120719\7334214P.D Vial: 24
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 7:51 pm Operator: IMR
Sample : SB73342-14 @ SS-14 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:39:47 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

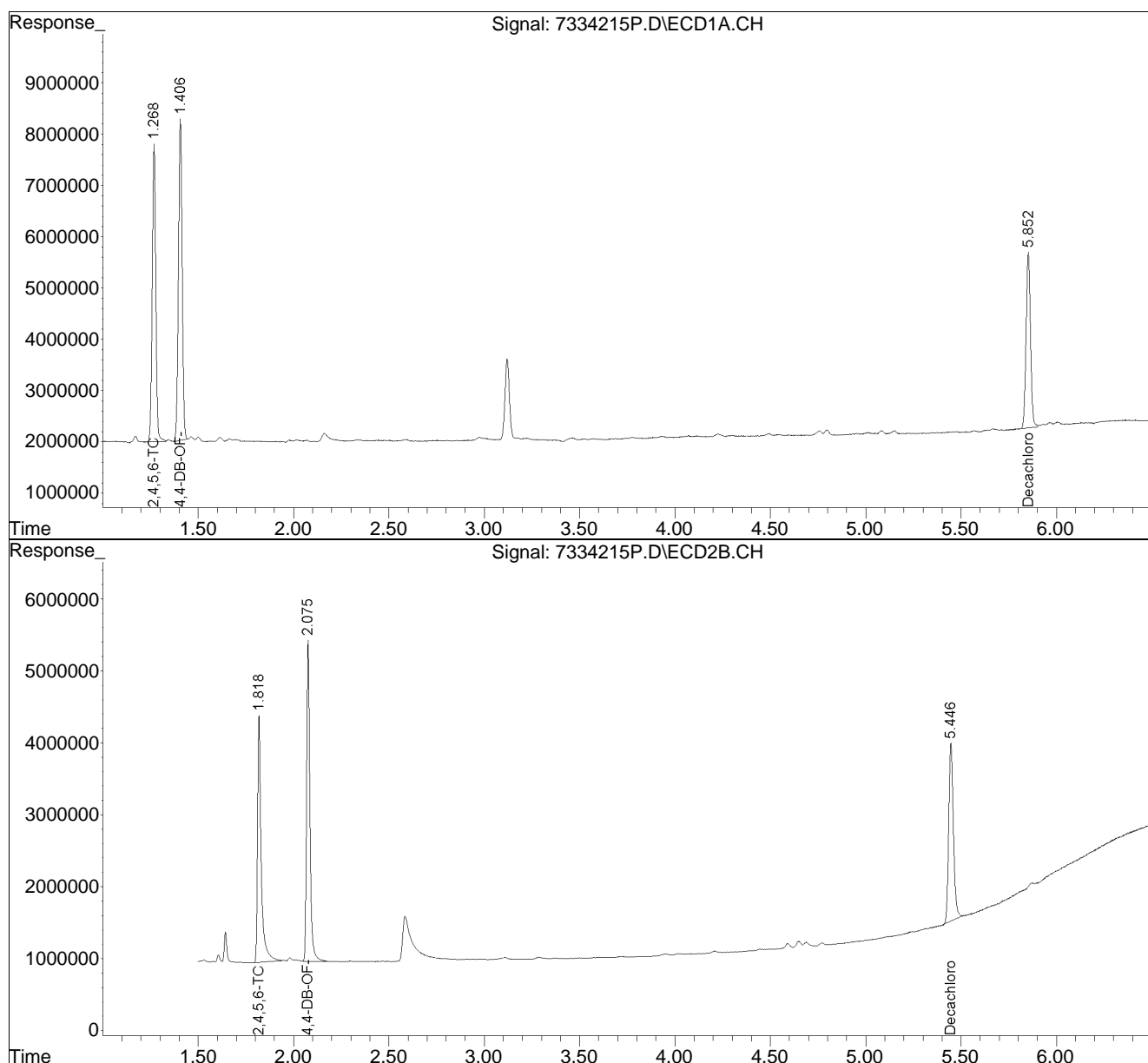


Data File : C:\msdchem\1\DATA\PCB120719\7334215P.D Vial: 30
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 8:50 pm Operator: IMR
Sample : SB73342-15 @ SS-15 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:40:04 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

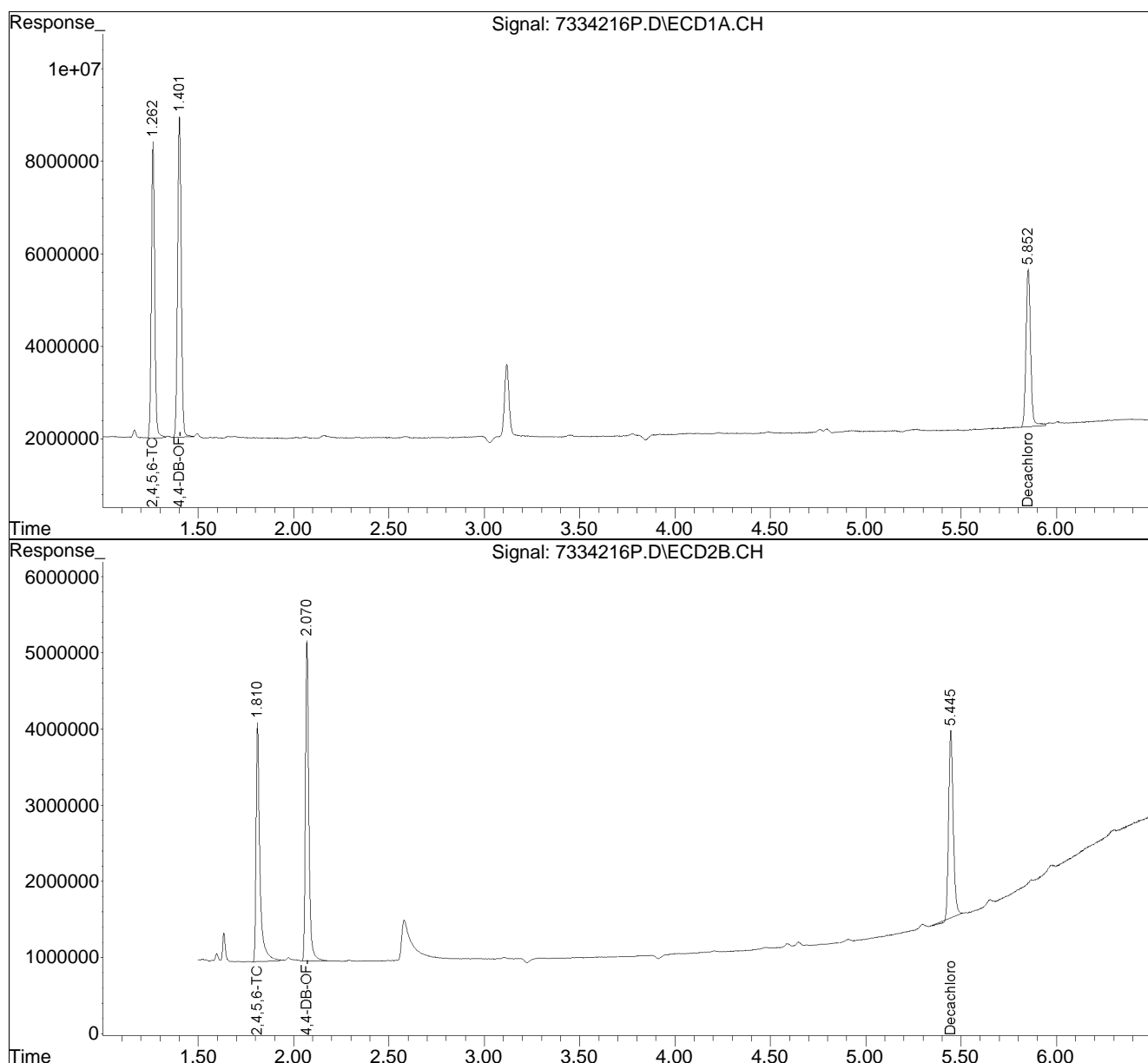


Data File : C:\msdchem\1\DATA\PCB120719\7334216P.D Vial: 31
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 9:00 pm Operator: IMR
Sample : SB73342-16 @ SS-16 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:40:20 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

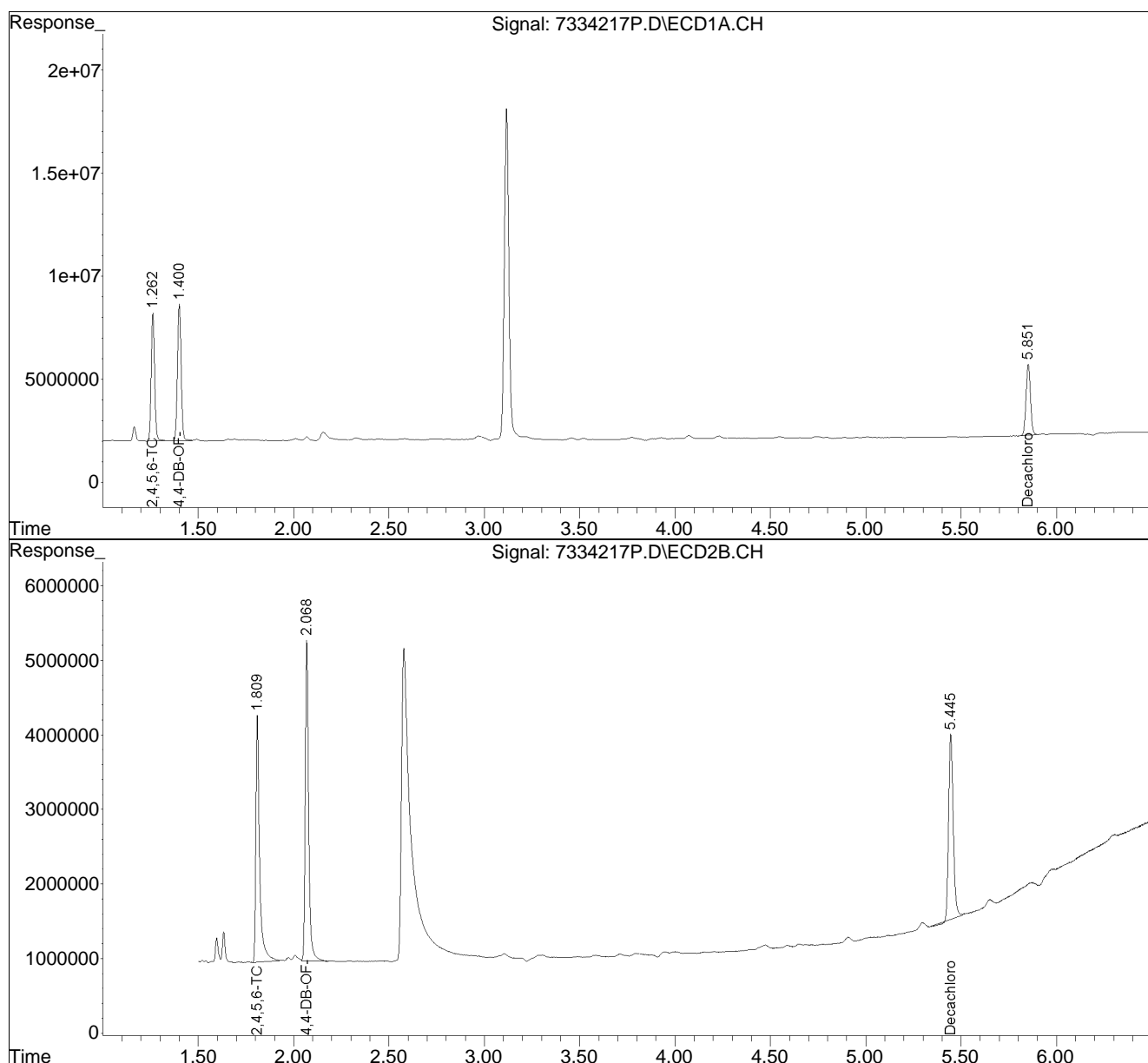


Data File : C:\msdchem\1\DATA\PCB120719\7334217P.D Vial: 32
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 9:10 pm Operator: IMR
Sample : SB73342-17 @ SS-17 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:40:35 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

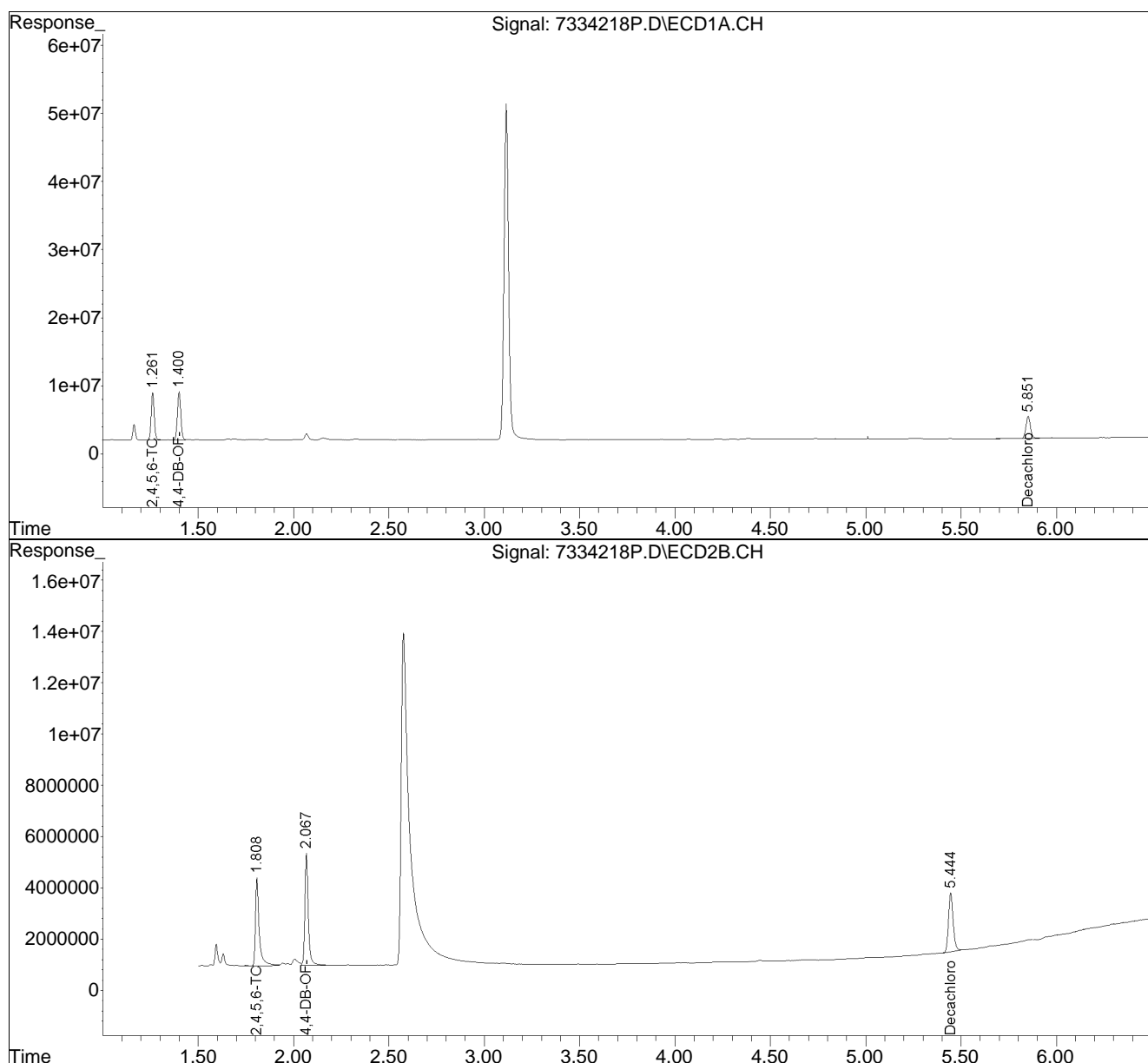


Data File : C:\msdchem\1\DATA\PCB120719\7334218P.D Vial: 33
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 9:20 pm Operator: IMR
Sample : SB73342-18 @ SS-18 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:40:53 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

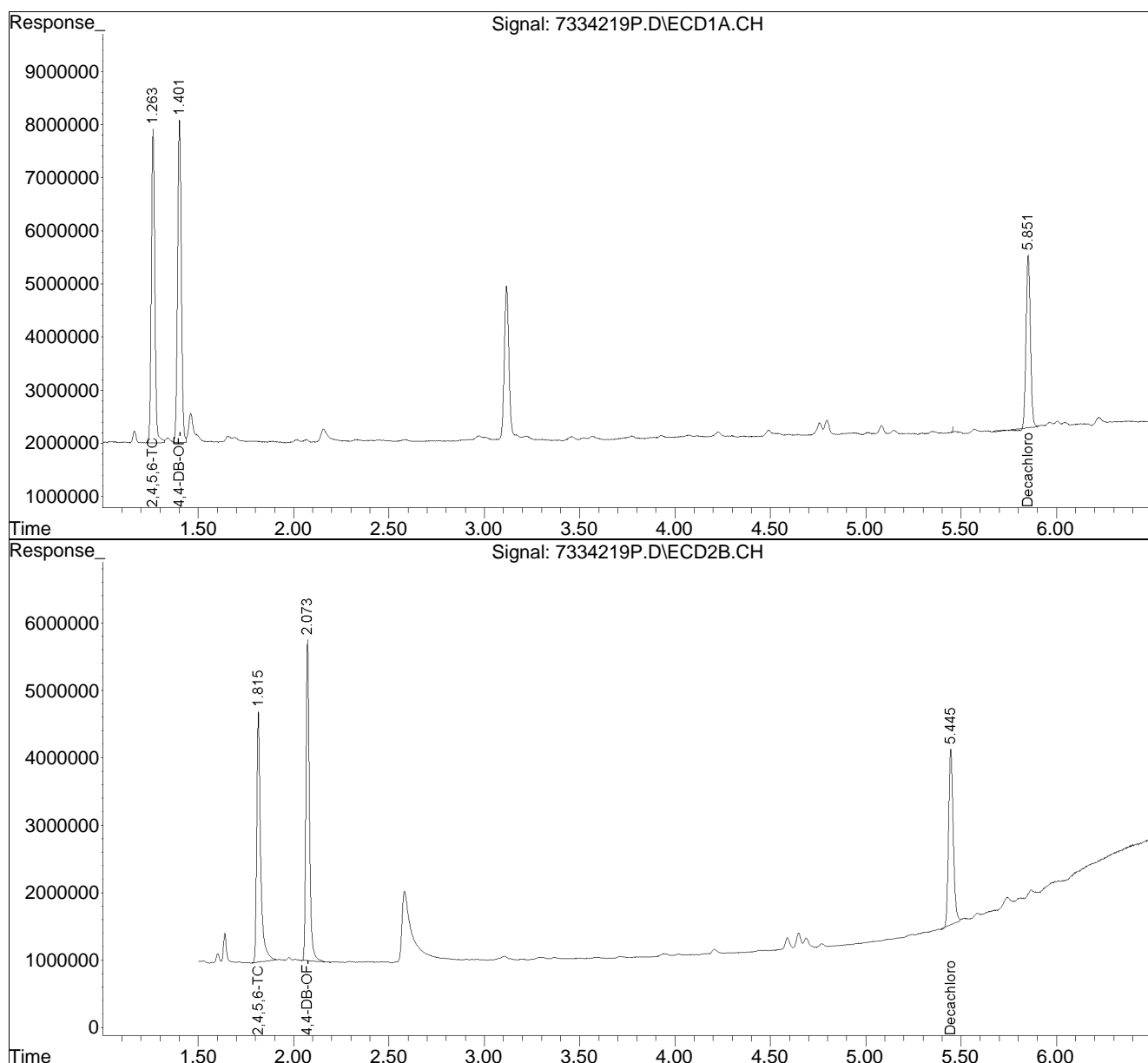


Data File : C:\msdchem\1\DATA\PCB120719\7334219P.D Vial: 34
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 9:29 pm Operator: IMR
Sample : SB73342-19 @ SS-19 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:41:12 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

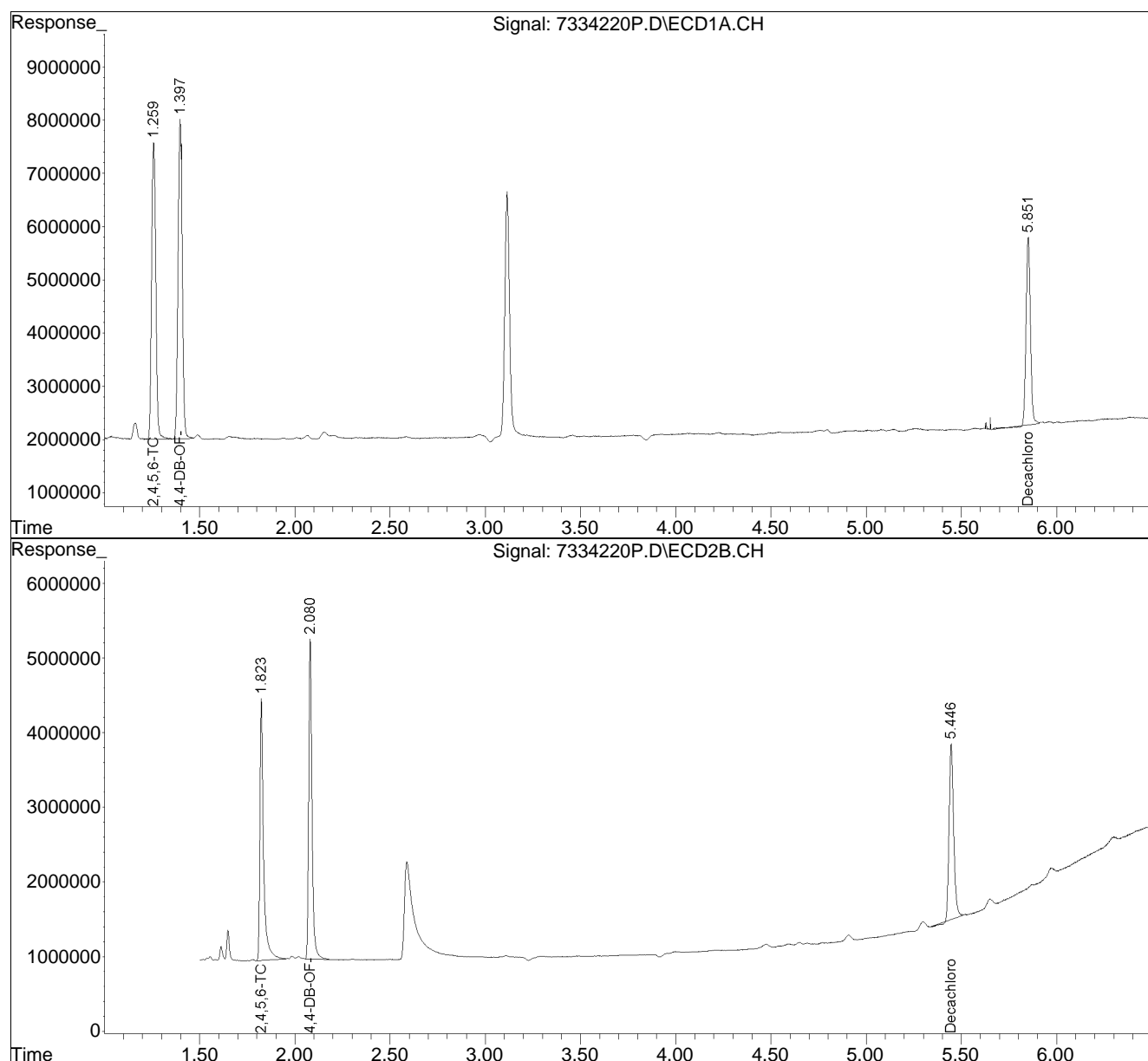


Data File : C:\msdchem\1\DATA\PCB120719\7334220P.D Vial: 35
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 9:39 pm Operator: IMR
Sample : SB73342-20 @ SS-20 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:41:27 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

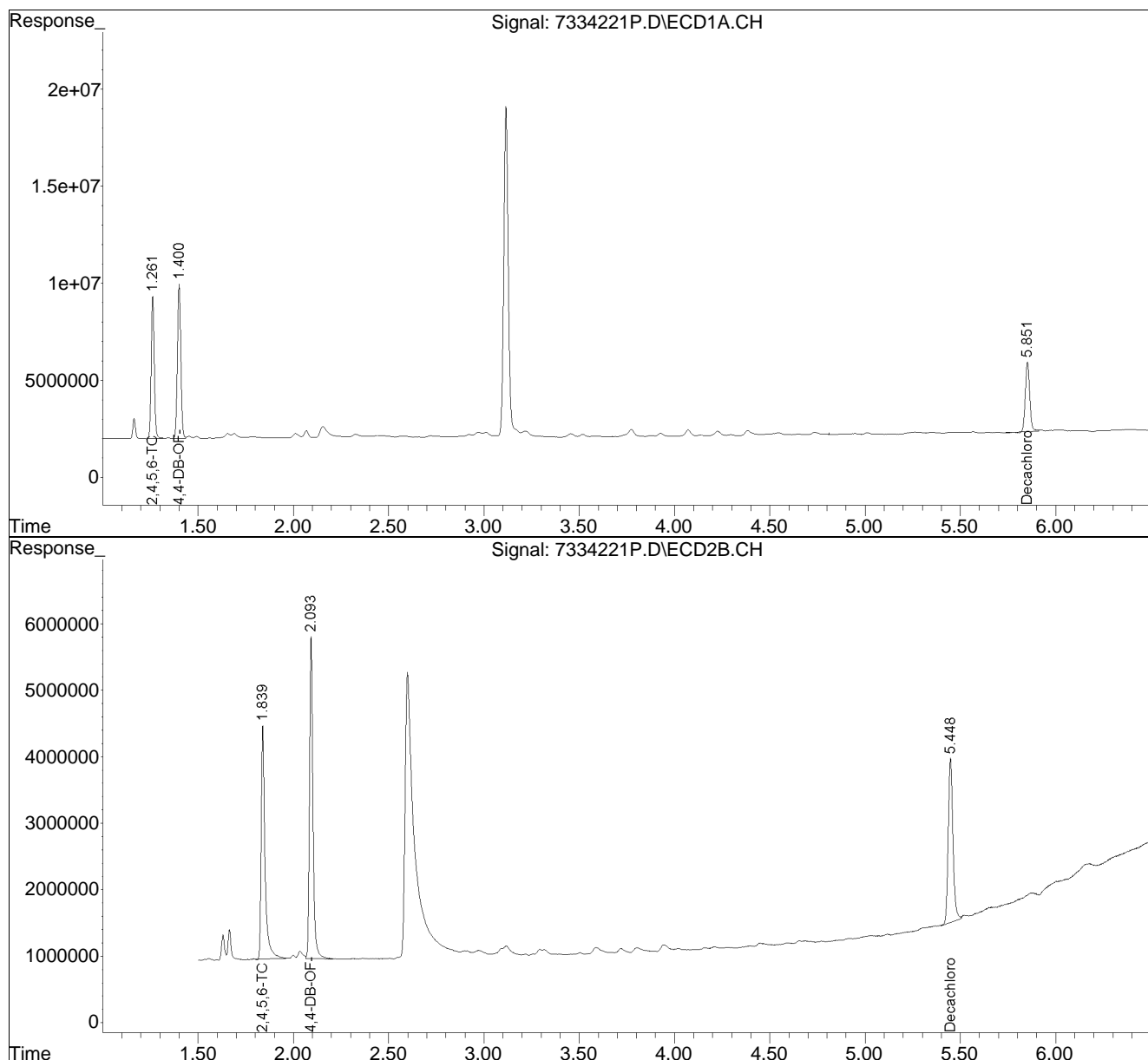


Data File : C:\msdchem\1\DATA\PCB120719\7334221P.D Vial: 42
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 10:48 pm Operator: IMR
Sample : SB73342-21 @ SS-21 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 10:07:42 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

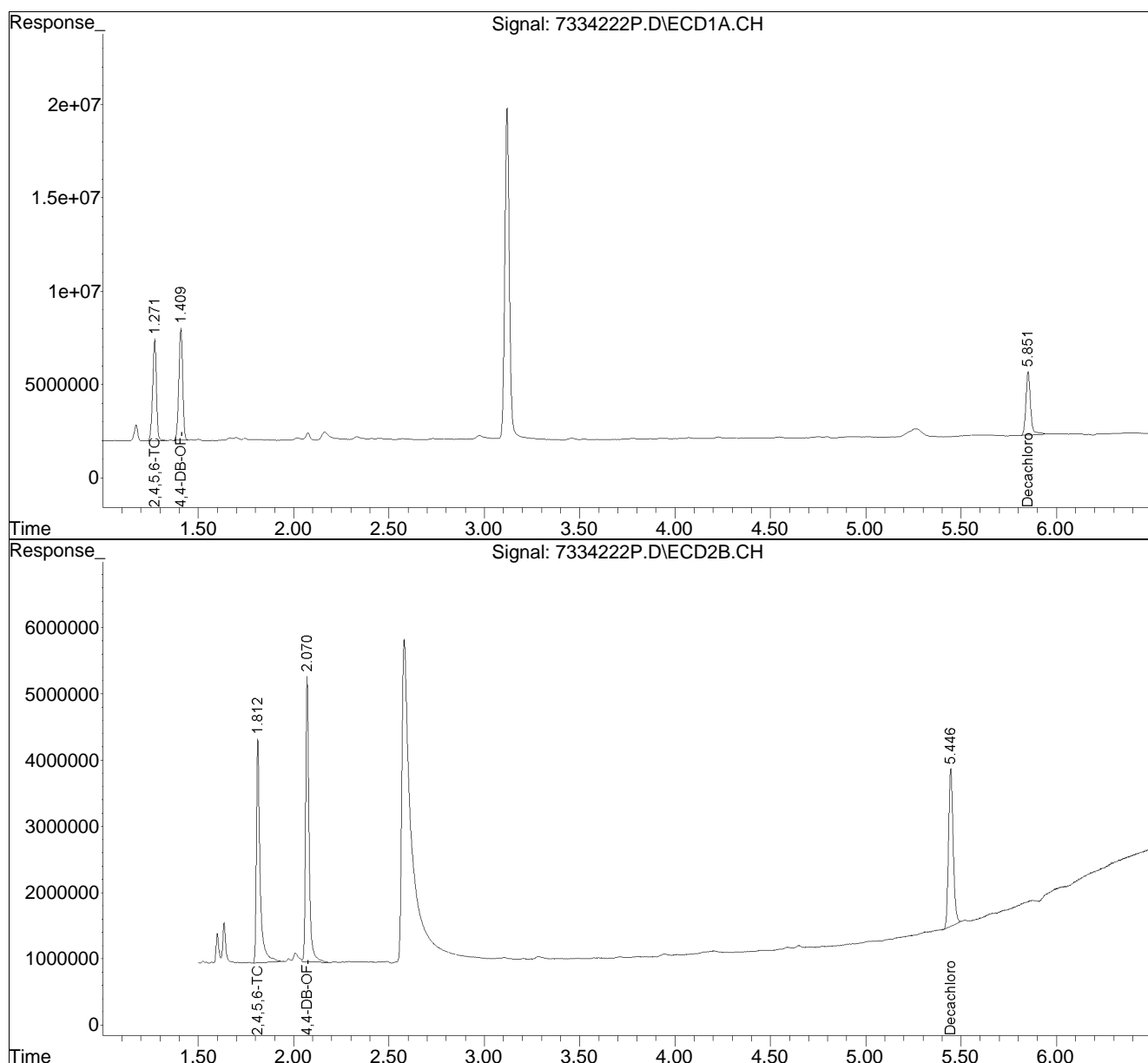


Data File : C:\msdchem\1\DATA\PCB120719\7334222P.D Vial: 43
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 10:58 pm Operator: IMR
Sample : SB73342-22 @ SS-22 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:42:42 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

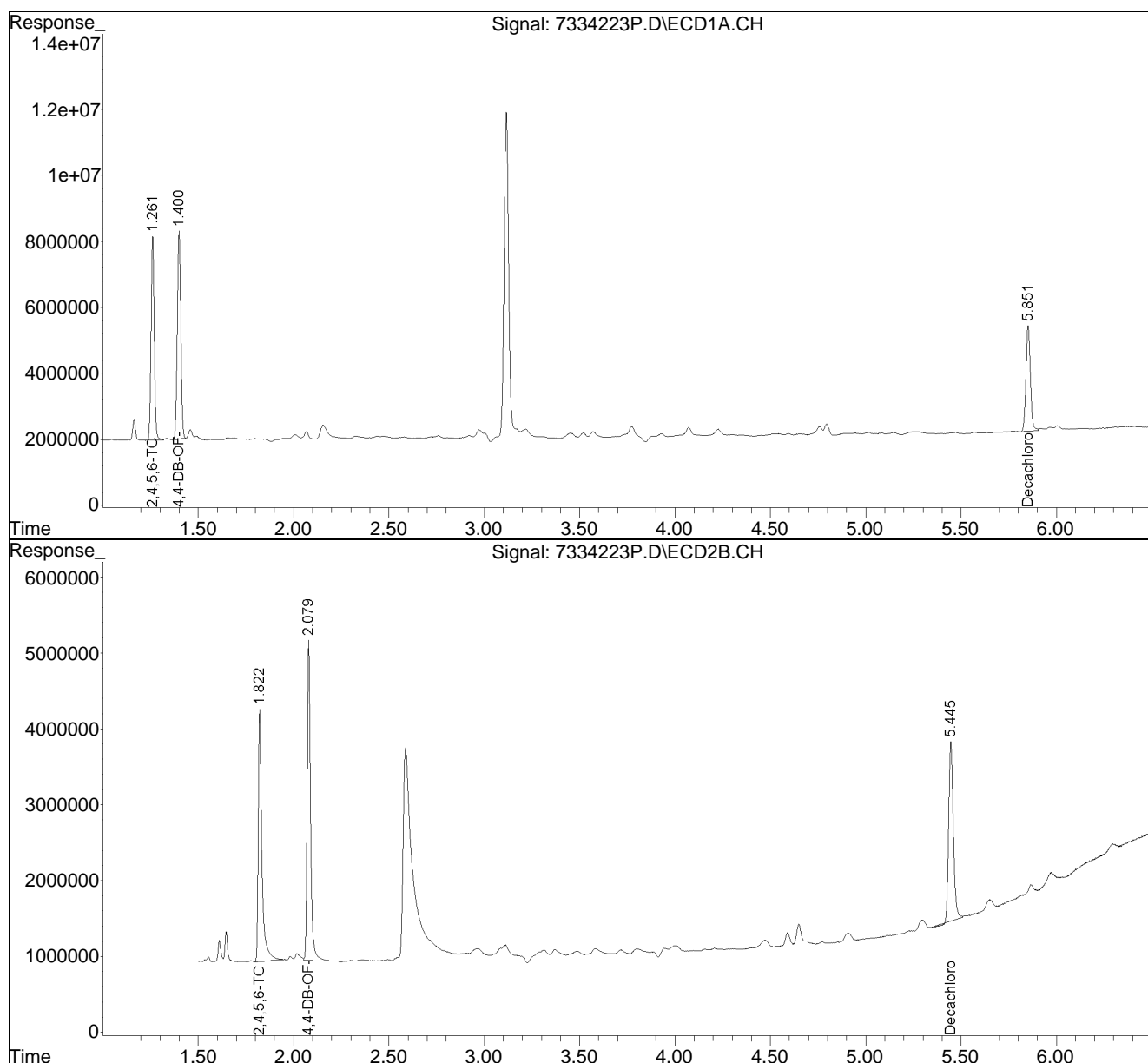


Data File : C:\msdchem\1\DATA\PCB120719\7334223P.D Vial: 44
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 11:08 pm Operator: IMR
Sample : SB73342-23 @ SS-23 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:43:02 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

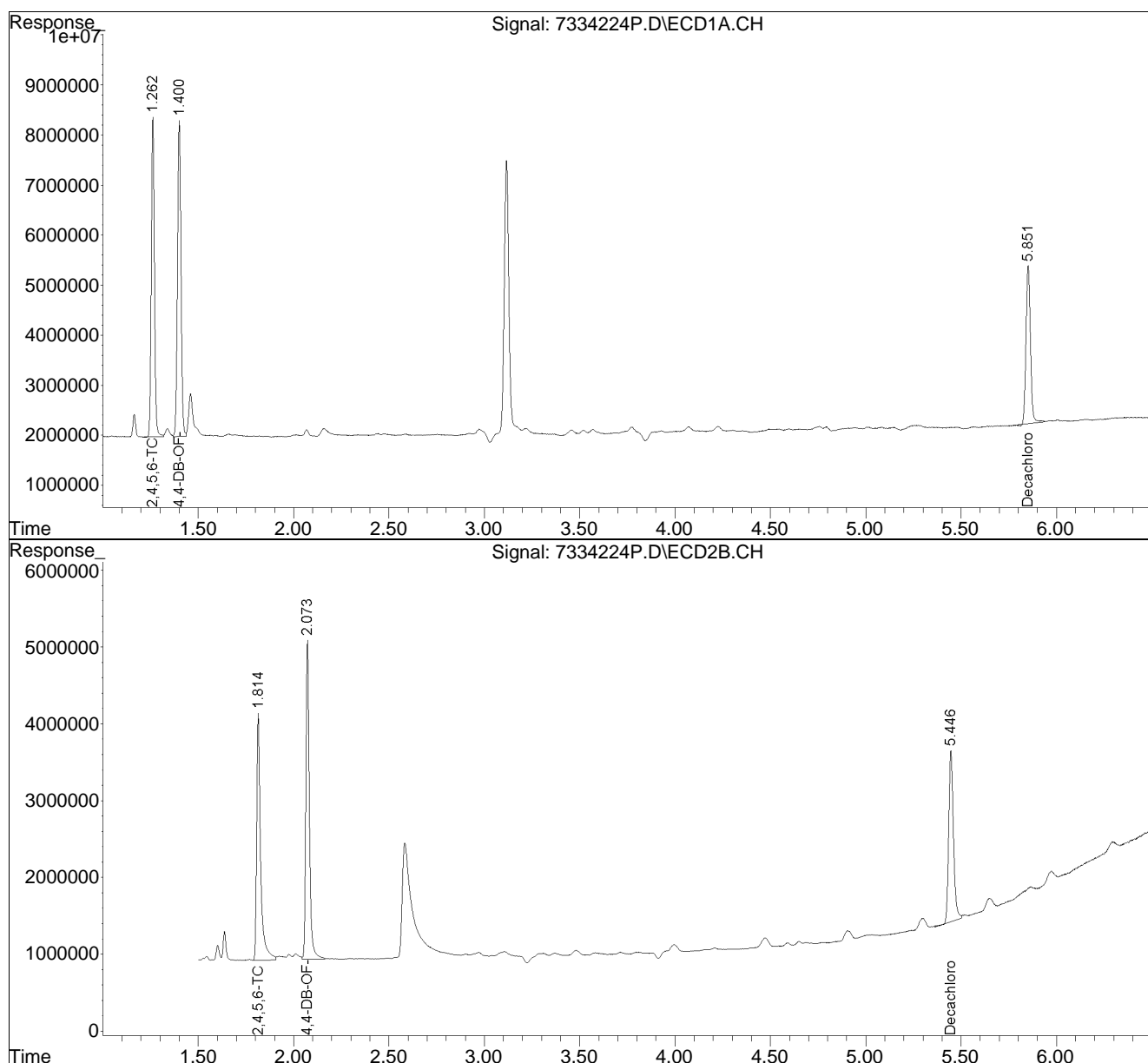


Data File : C:\msdchem\1\DATA\PCB120719\7334224P.D Vial: 45
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 11:18 pm Operator: IMR
Sample : SB73342-24 @ SS-24 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:43:17 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

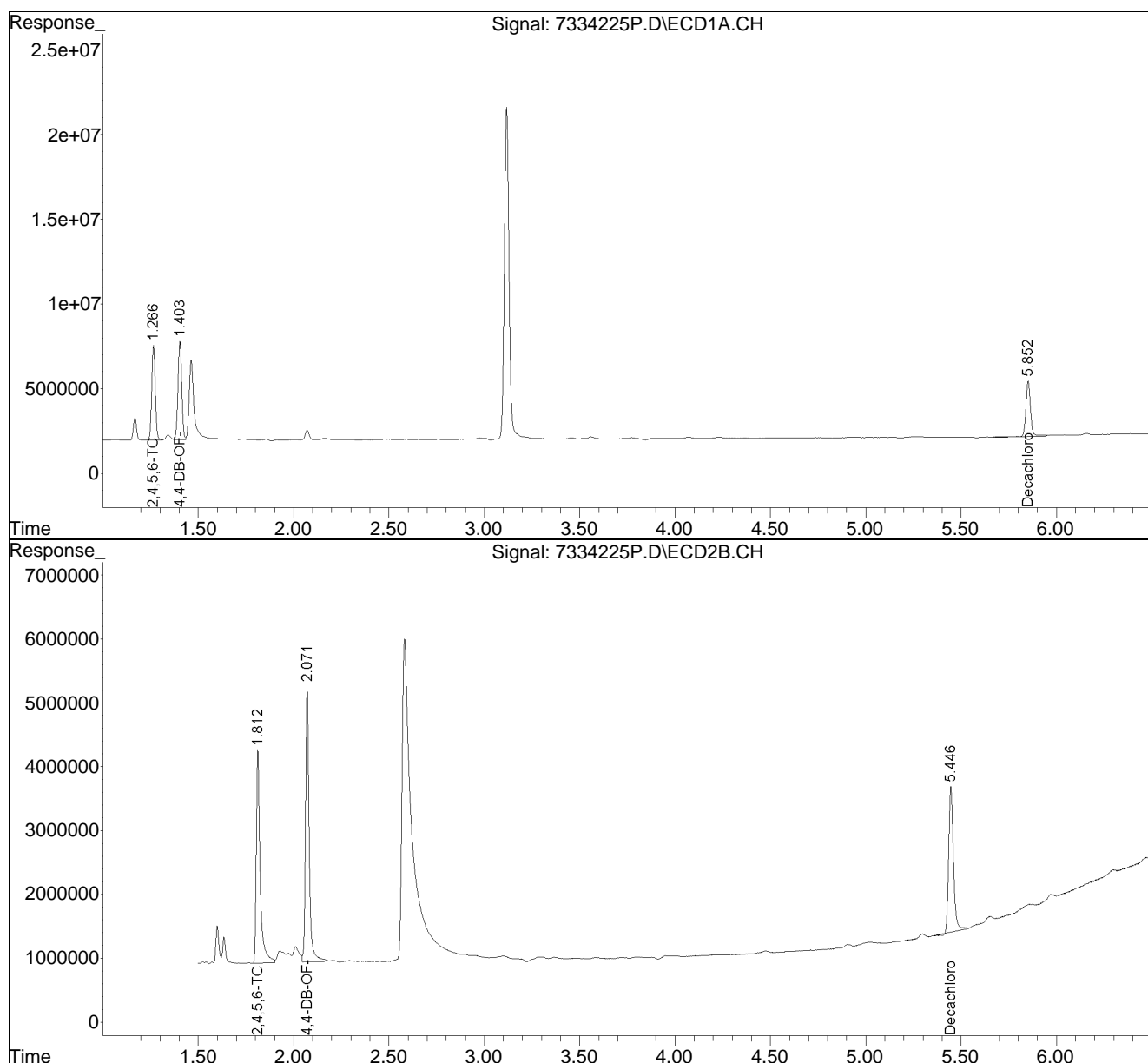


Data File : C:\msdchem\1\DATA\PCB120719\7334225P.D Vial: 46
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 11:27 pm Operator: IMR
Sample : SB73342-25 @ SS-25 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:43:42 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

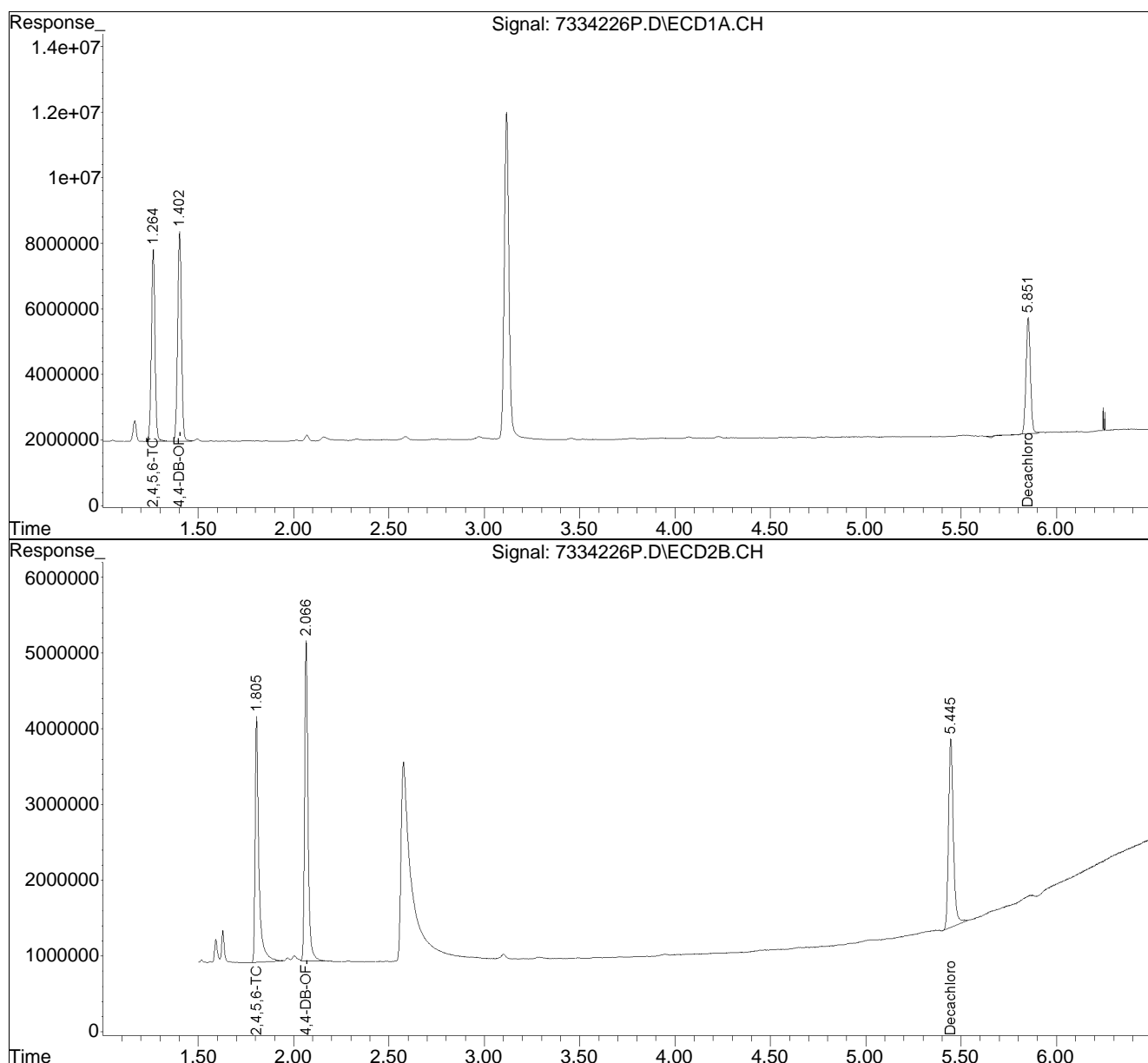


Data File : C:\msdchem\1\DATA\PCB120719\7334226P.D Vial: 47
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 11:37 pm Operator: IMR
Sample : SB73342-26 @ SS-26 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:43:57 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

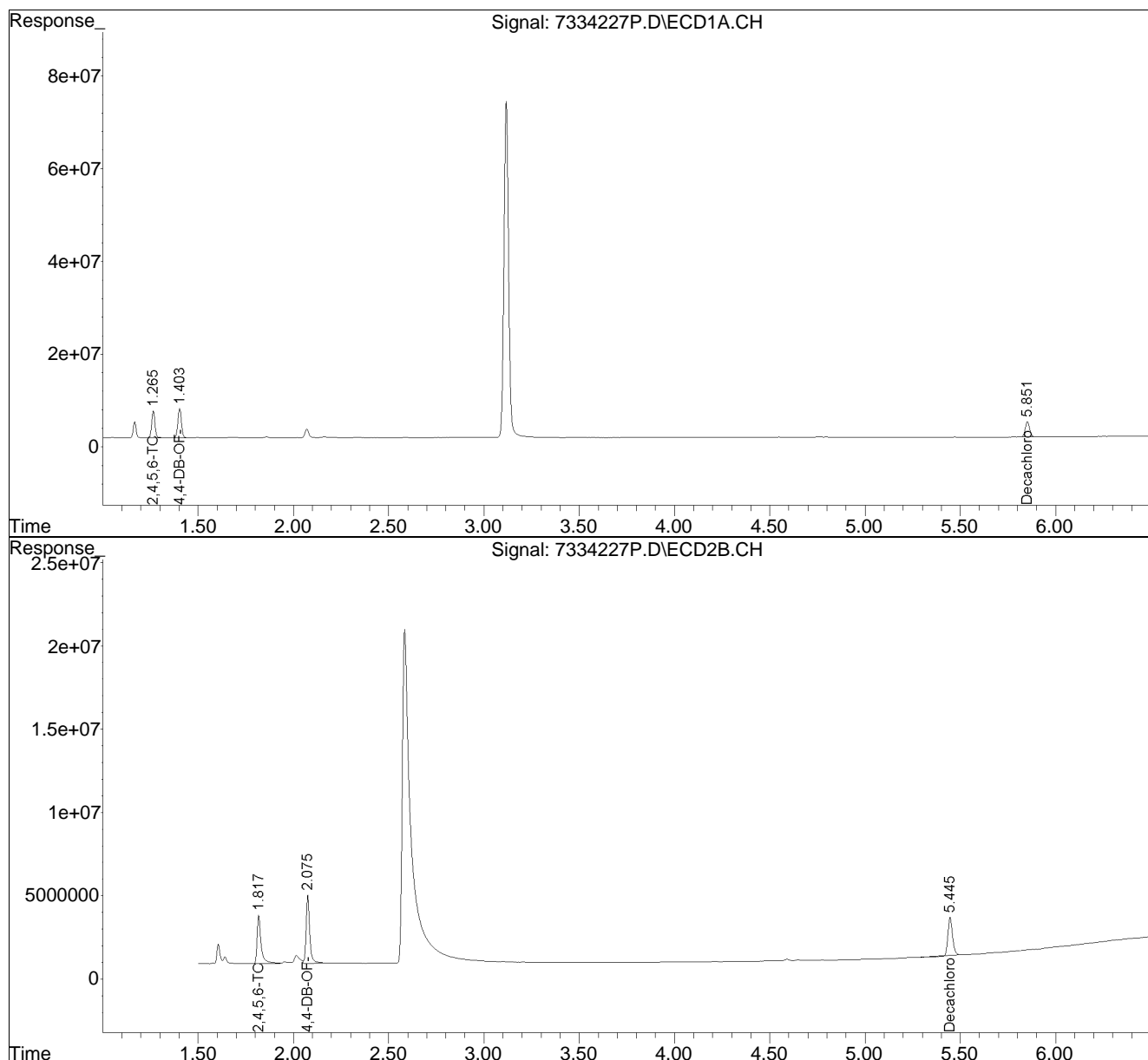


Data File : C:\msdchem\1\DATA\PCB120719\7334227P.D Vial: 48
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 11:47 pm Operator: IMR
Sample : SB73342-27 @ SS-27 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:44:12 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

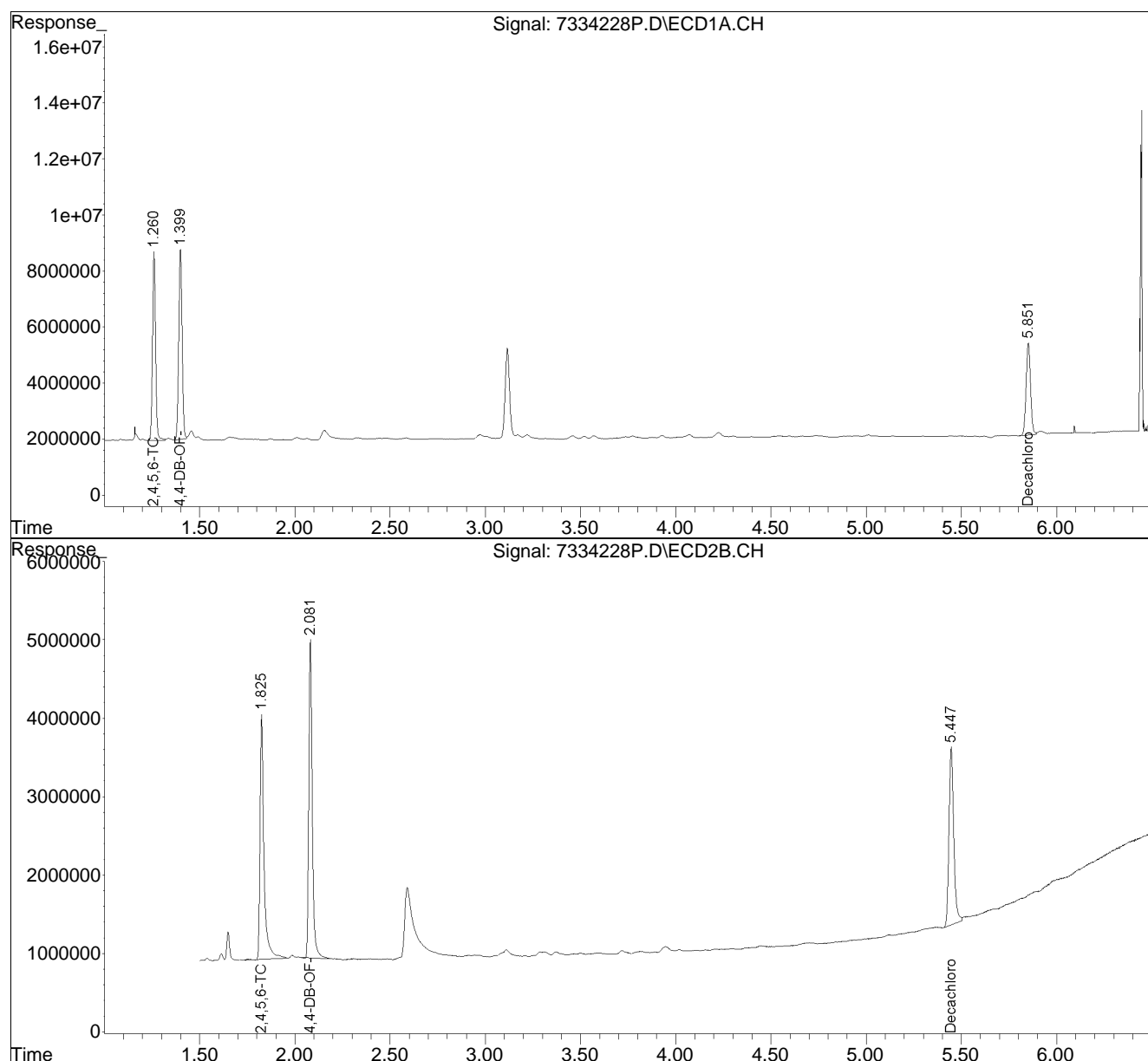


Data File : C:\msdchem\1\DATA\PCB120719\7334228P.D Vial: 49
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jul 2013 11:57 pm Operator: IMR
Sample : SB73342-28 @ SS-28 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:44:27 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

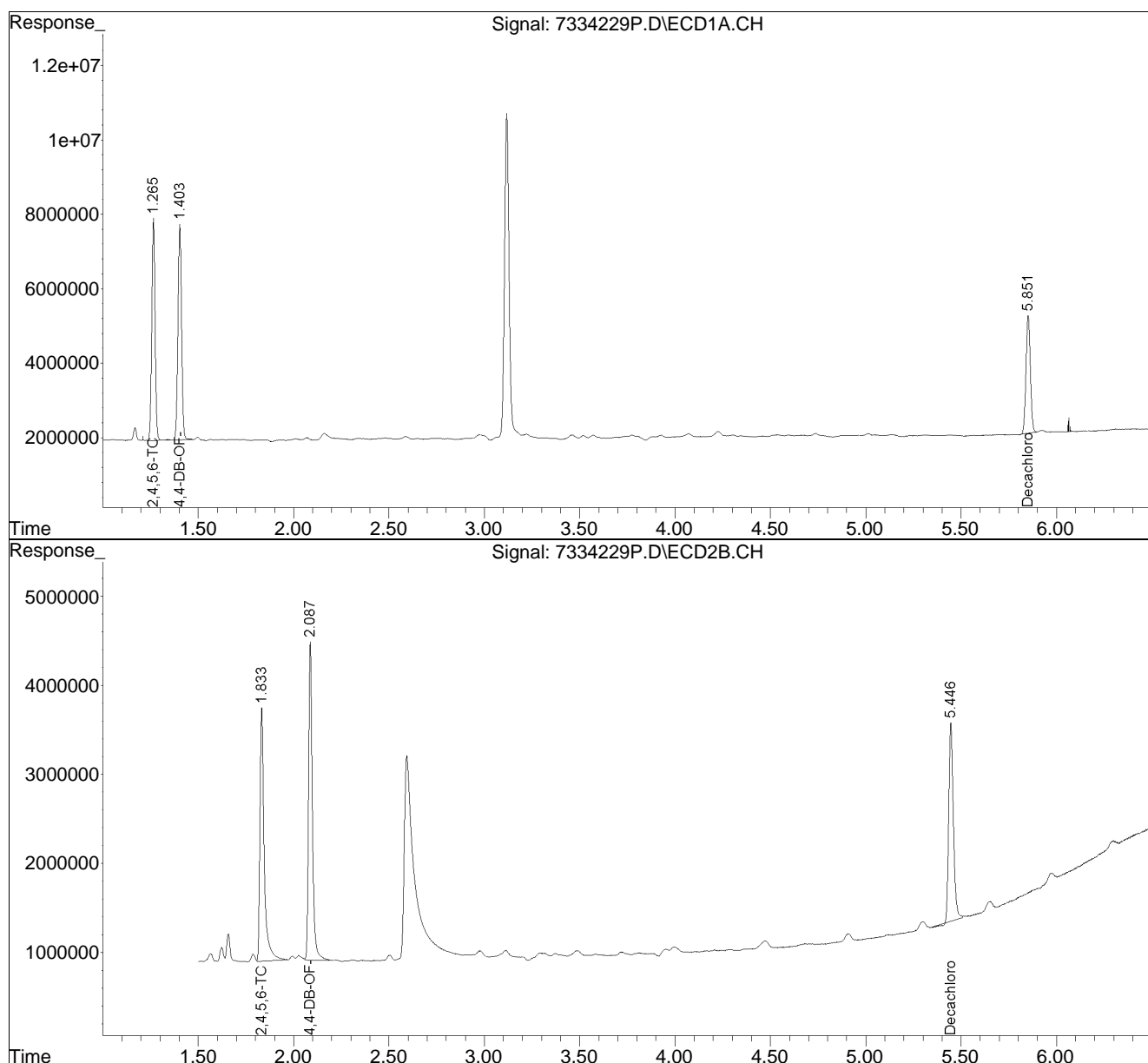


Data File : C:\msdchem\1\DATA\PCB120719\7334229P.D Vial: 54
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Jul 2013 12:46 am Operator: IMR
Sample : SB73342-29 @ SS-29 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:44:43 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

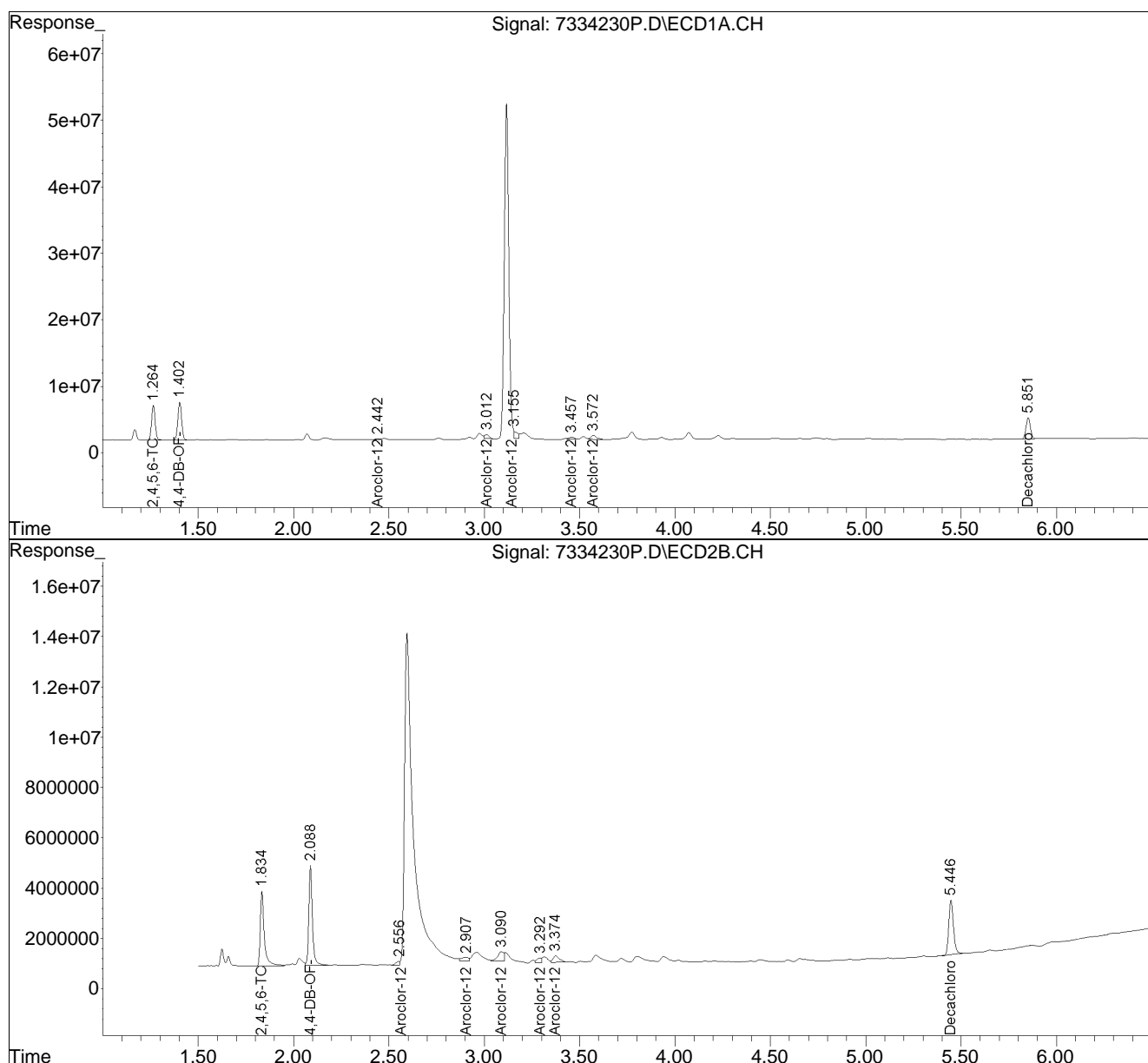


Data File : C:\msdchem\1\DATA\PCB120719\7334230P.D Vial: 55
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Jul 2013 12:56 am Operator: IMR
Sample : SB73342-30 @ SS-30 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:47:01 2013
Quant Results File: 54120716.RES

Quant Method : C:\msdchem\1\METHODS\PCB120716\54120716.M
Quant Title : GC PCB 1254 Method EPA 608 SW-846 8082
QLast Update : Tue Jul 16 14:30:37 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

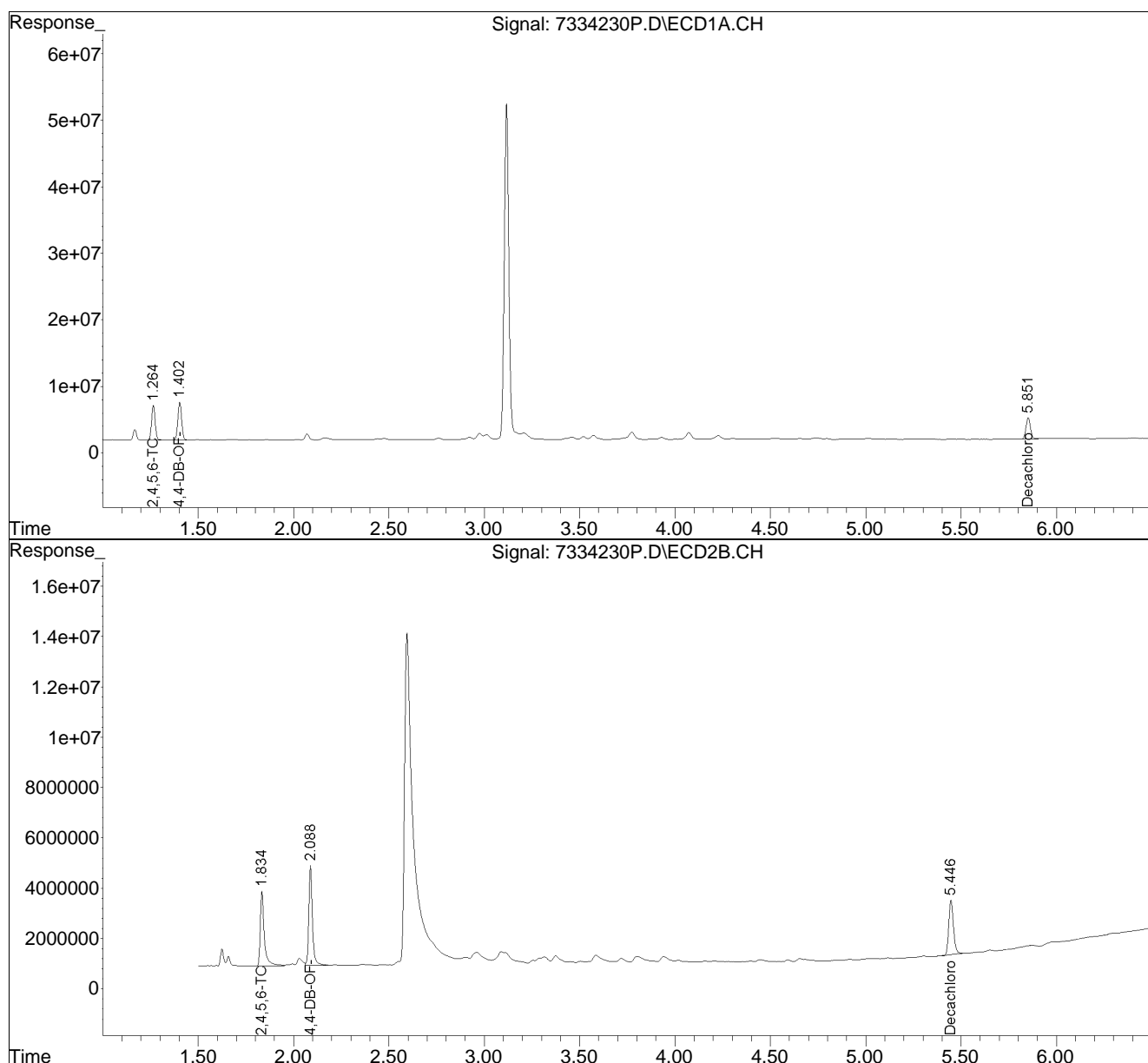


Data File : C:\msdchem\1\DATA\PCB120719\7334230P.D Vial: 55
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Jul 2013 12:56 am Operator: IMR
Sample : SB73342-30 @ SS-30 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:47:30 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

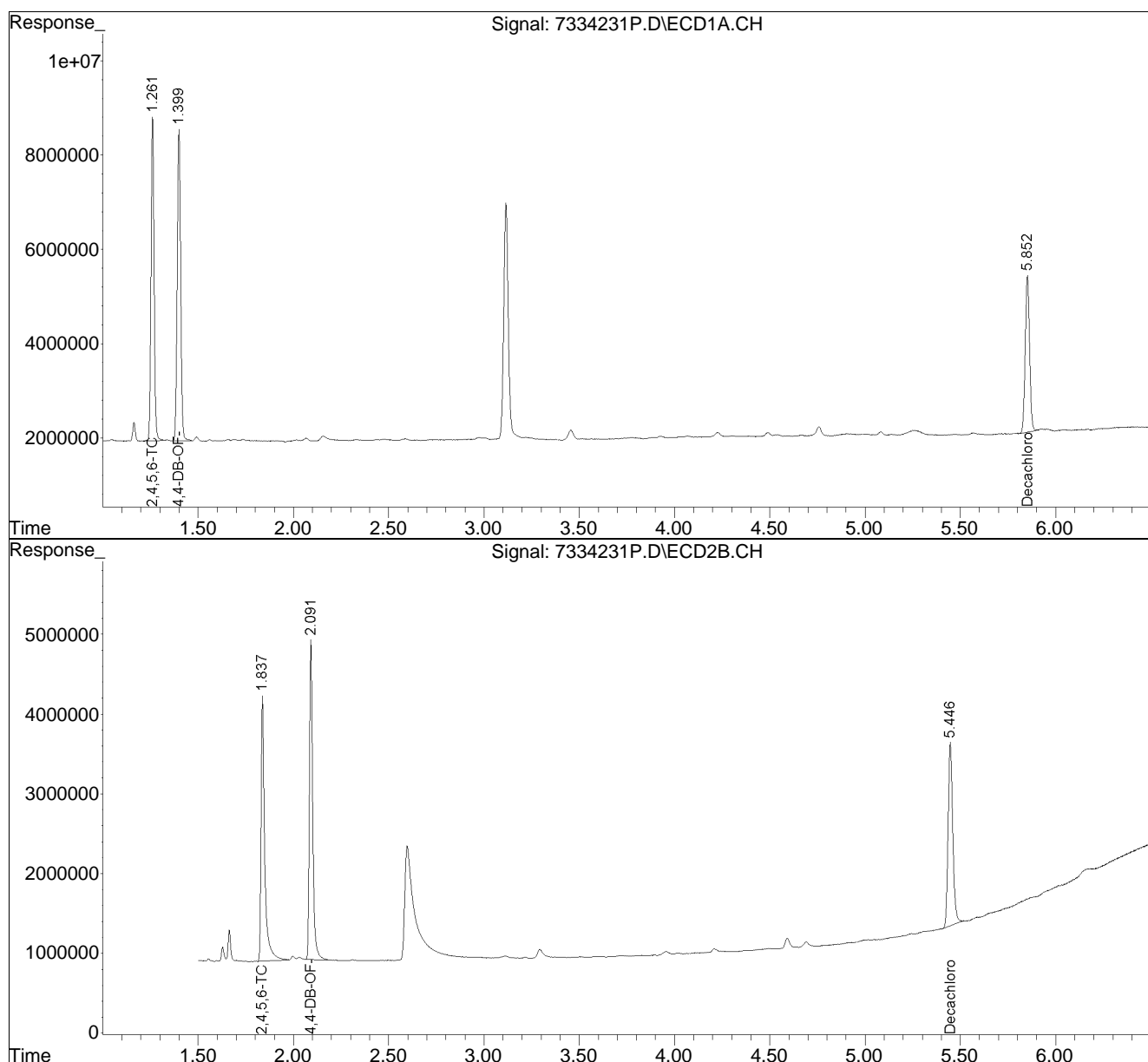


Data File : C:\msdchem\1\DATA\PCB120719\7334231P.D Vial: 56
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Jul 2013 1:06 am Operator: IMR
Sample : SB73342-31 @ SS-31 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:47:53 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

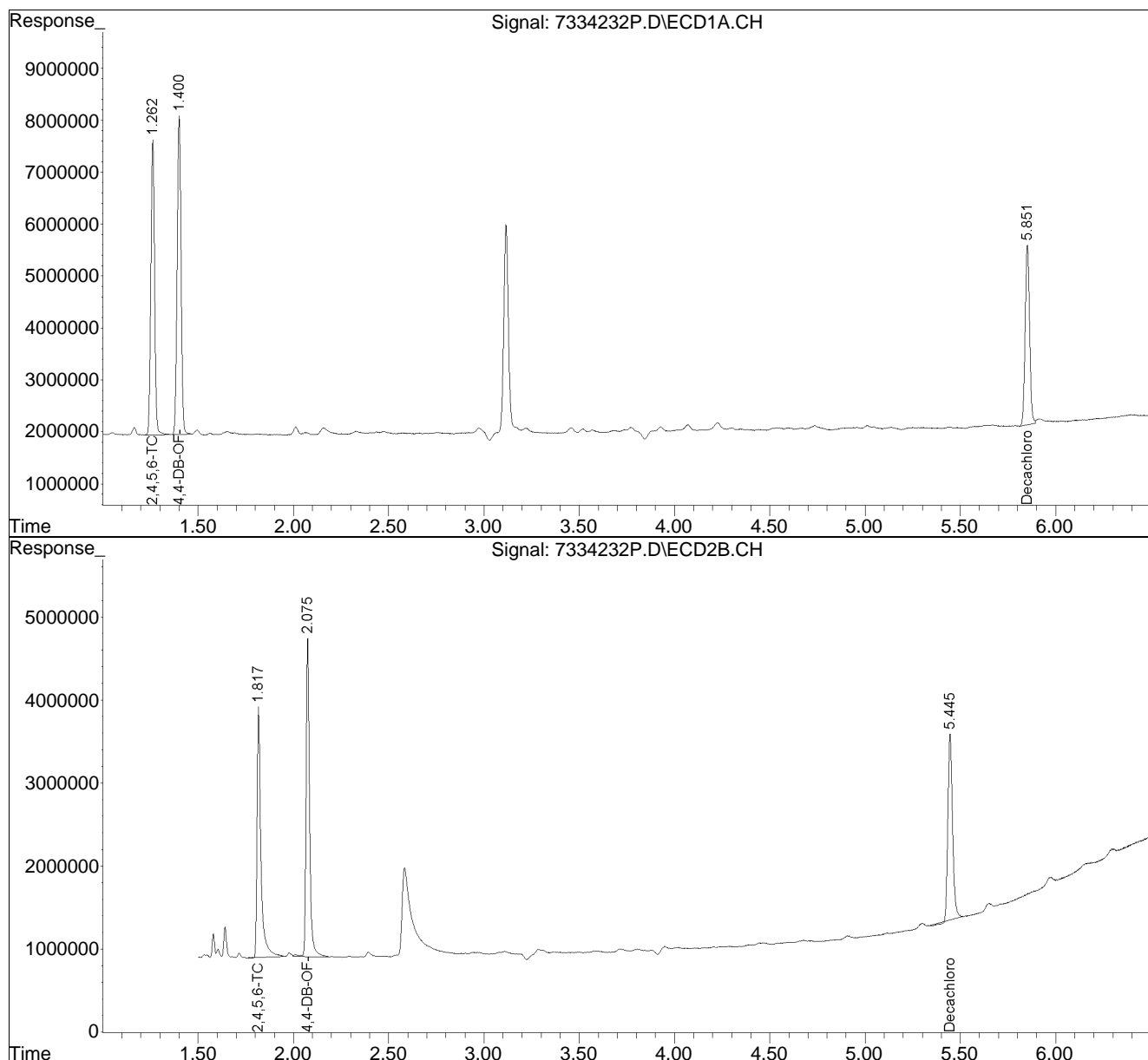


Data File : C:\msdchem\1\DATA\PCB120719\7334232P.D Vial: 57
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Jul 2013 1:16 am Operator: IMR
Sample : SB73342-32 @ SS-32 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:48:09 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

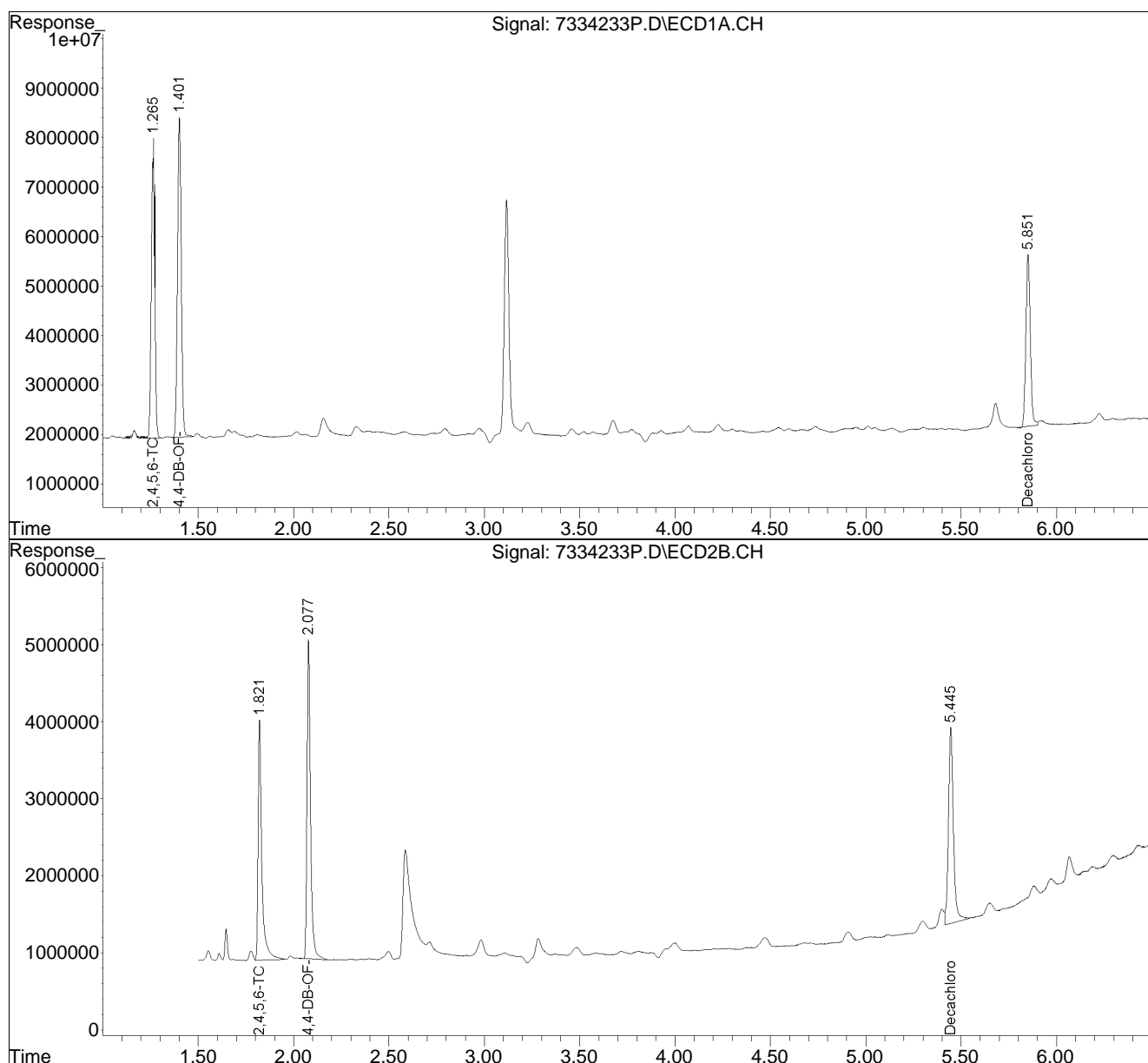


Data File : C:\msdchem\1\DATA\PCB120719\7334233P.D Vial: 58
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Jul 2013 1:25 am Operator: IMR
Sample : SB73342-33 @ SS-33 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:48:24 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

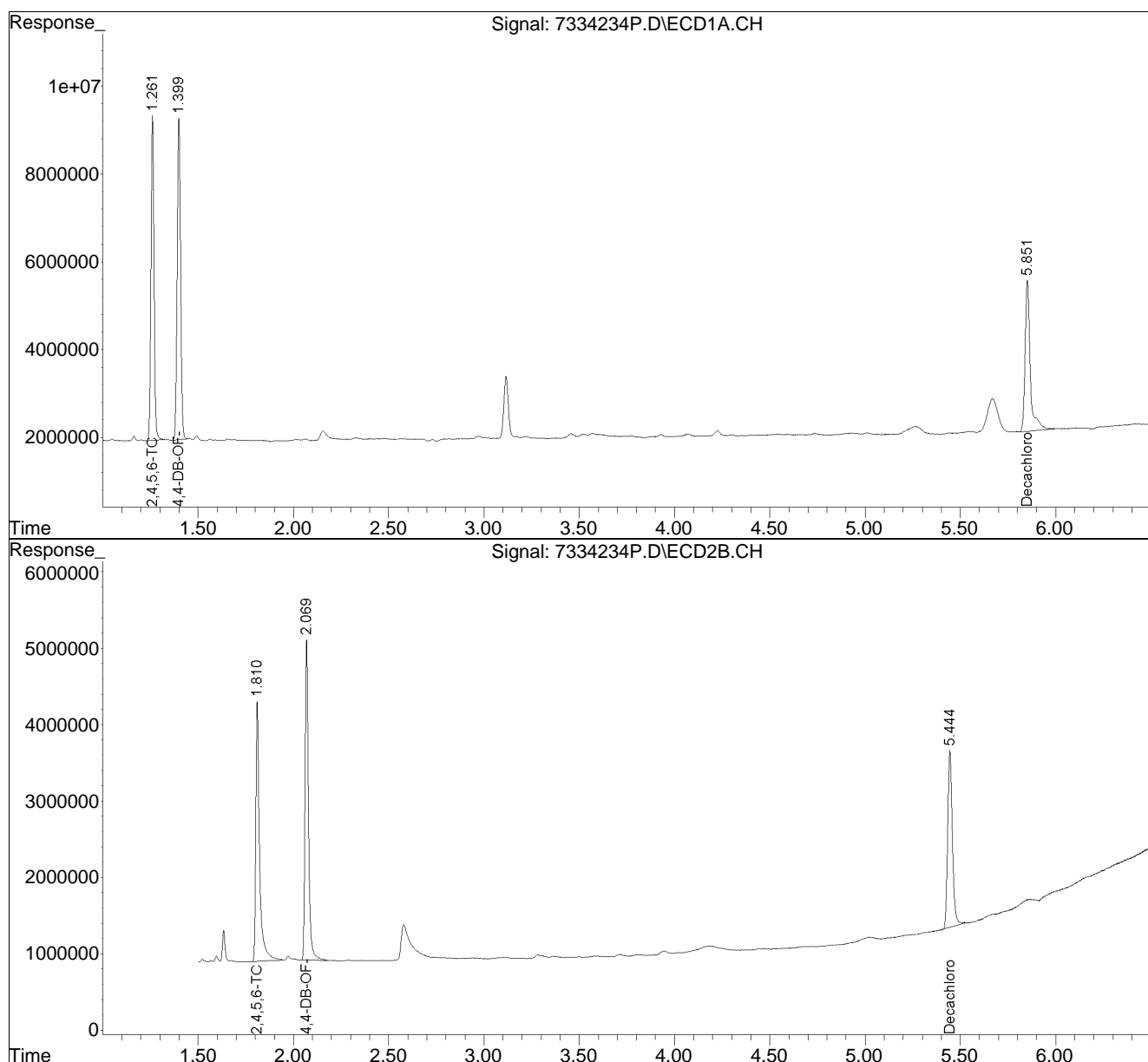


Data File : C:\msdchem\1\DATA\PCB120719\7334234P.D Vial: 59
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Jul 2013 1:35 am Operator: IMR
Sample : SB73342-34 @ SS-34 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:48:42 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

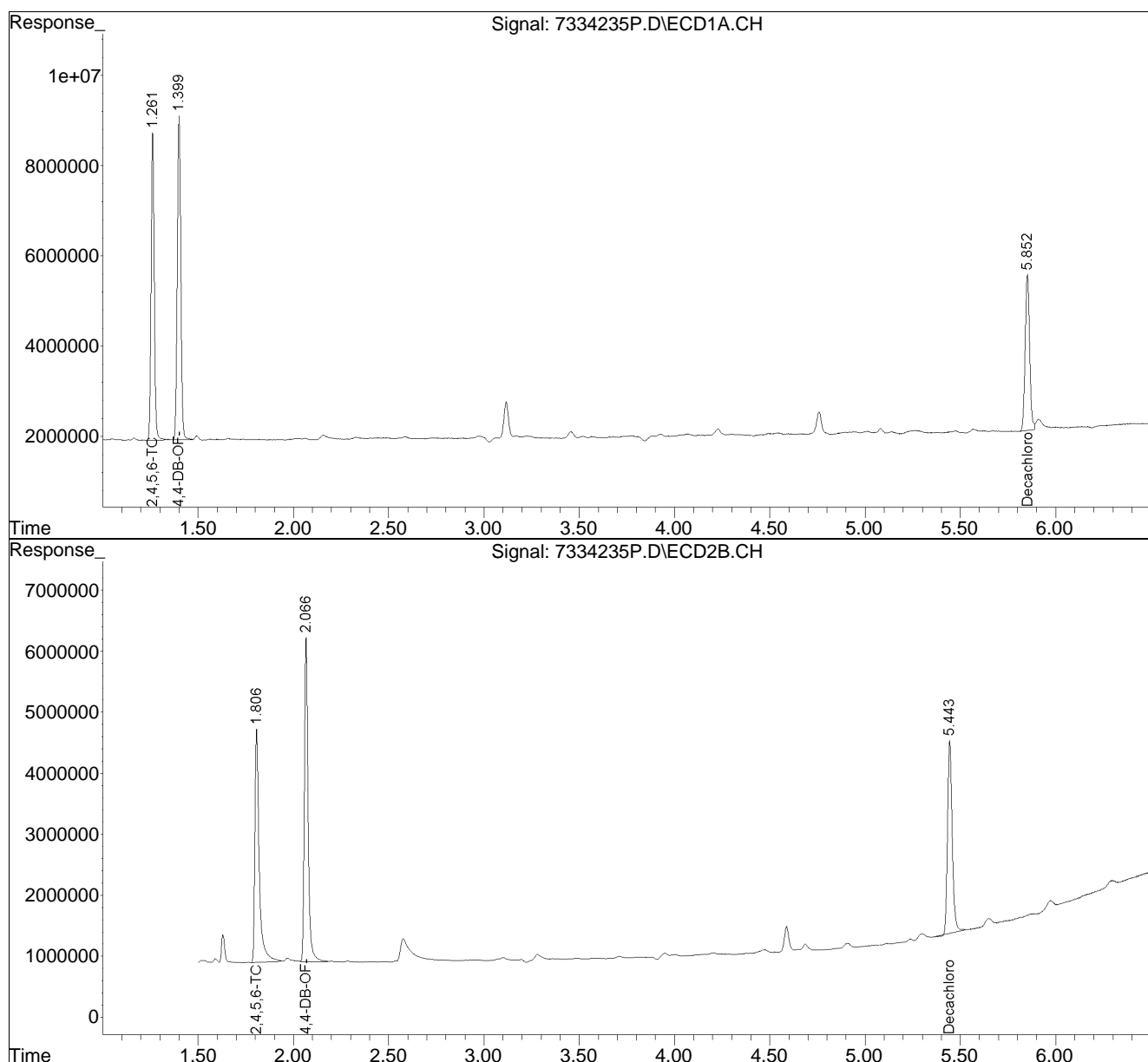


Data File : C:\msdchem\1\DATA\PCB120719\7334235P.D Vial: 60
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Jul 2013 1:45 am Operator: IMR
Sample : SB73342-35 @ SS-35 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:48:57 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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

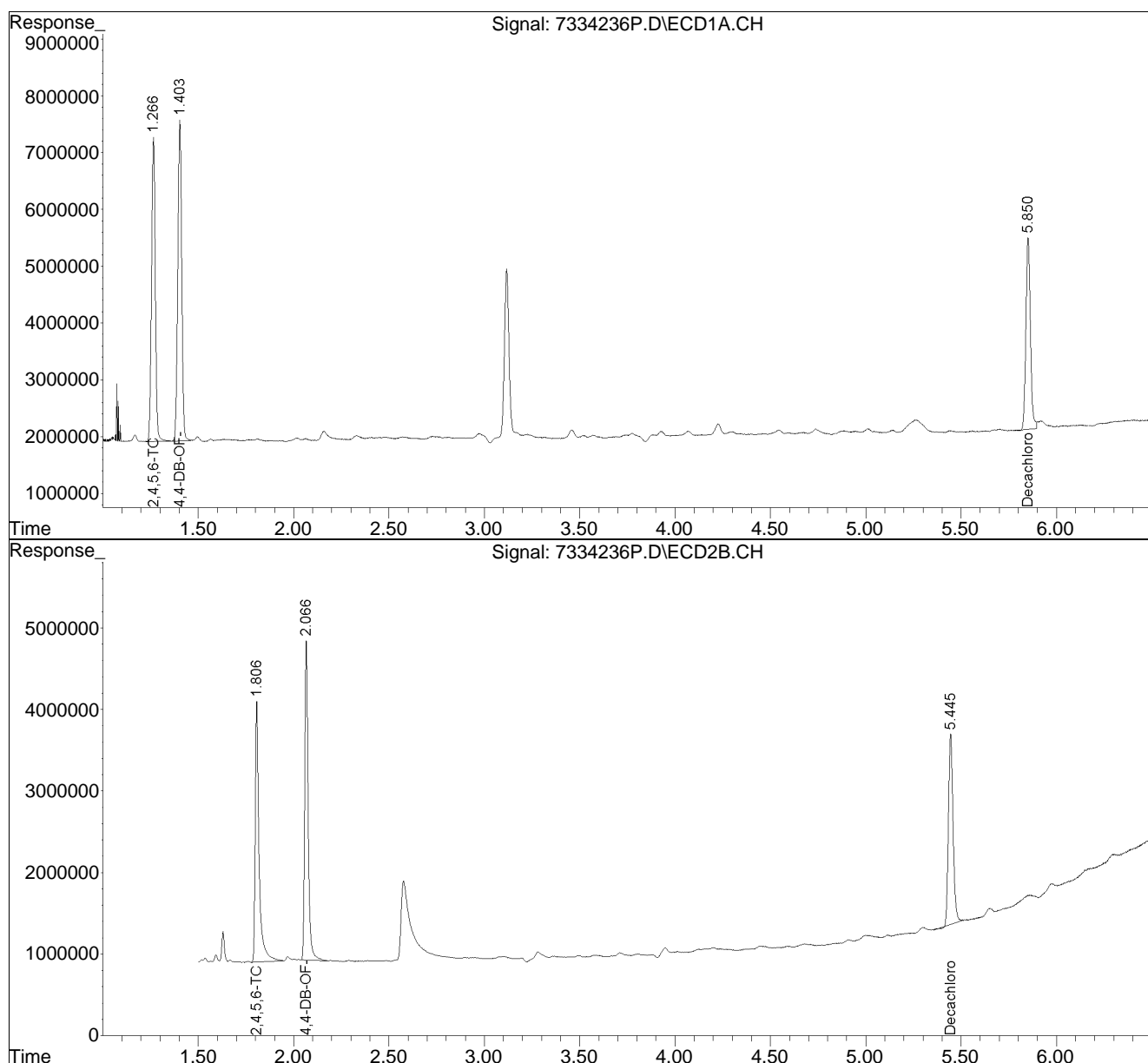


Data File : C:\msdchem\1\DATA\PCB120719\7334236P.D Vial: 61
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Jul 2013 1:55 am Operator: IMR
Sample : SB73342-36 @ SS-36 Inst : HPS12
Misc : _[] Multiplr: 1.00

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E
Quant Time: Jul 20 11:49:14 2013
Quant Results File: 60120716.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB120716\60120716.M
Quant Title : EPA 608 & SW-846 8082 Aroclor-1016 & Aroclor-1260
QLast Update : Tue Jul 16 14:17:19 2013
Response via : Initial Calibration
DataAcq Meth:60120716.M

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





CHAIN OF CUSTODY RECORD

Page 1 of 4

SB73342PH

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3-DAY
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Rich McKenna
AECC
6308 FLY RD
E SYRACUSE, NY 13057
 Telephone #: 315-432-9400
 Project Mgr. —

Invoice To: ACCTS PAYABLE
(SAME ADDRESS)
 P.O. No.: 13-067 RQN: —

Project No.: 13-067
 Site Name: WOODBINE BUSINESS PARK
 Location: COLLAMER State: NY
 Sampler(s): RICHARD MCKENNA/DAVID BENDER

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= 12=

List preservative code below:

QA/QC Reporting Notes:
 * additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1= X2= X3=

Containers:

Analyses:

MA DEP MCP CAM Report: Yes ☐ No ☐
 CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level

- ☒ Standard ☐ No QC ☐ DQA*
- ☐ NY ASP A* ☐ NY ASP B*
- ☐ NJ Reduced* ☐ NJ Full*
- ☐ TIER II* ☐ TIER IV*

☐ Other

State-specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic										
SB7334201	SS-1	7/17/13	8:26	G	SO		1												
-02	SS-2		8:33																
-03	SS-3		8:40																
-04	SS-4		8:45																
-05	SS-5		9:22																
-06	SS-6		9:15																
-07	SS-7		9:07																
-08	SS-8		9:00																
-09	SS-9		8:53																
-10	SS-10		9:52																

Relinquished by:

Received by:

Date:

Time:

Temp °C

☒ EDD Format PDF, EXCEL
☒ E-mail to rmckenna@aeccgroup.com

Condition upon receipt:

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 4

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 3-DAY
• All TATs subject to laboratory approval.
• Min. 24-hour notification needed for rushes.
• Samples disposed of after 60 days unless otherwise instructed.

Report To: AECC

Invoice To: _____

Project No.: B-067

Site Name: _____

Telephone #: _____

Location: _____ State: _____

Project Mgr. _____

P.O. No.: _____ RQN: _____

Sampler(s): D. Bender

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11=_____ 12=_____

List preservative code below:

QA/QC Reporting Notes:

* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

Containers:

Analyses:

MA DEP MCP CAM Report: Yes ☐ No ☐

CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level

☒ Standard ☐ No QC ☐ DQA*

☐ NY ASPA* ☐ NY ASPB*

☐ NJ Reduced* ☐ NJ Full*

☐ TIER II* ☐ TIER IV*

☐ Other _____

State-specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOC	# of An	# of Cl	# of Pla	SCS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							</
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SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 4

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 3-DAY
· All TATs subject to laboratory approval.
· Min. 24-hour notification needed for rushes.
· Samples disposed of after 60 days unless otherwise instructed.

Report To: AECC

Invoice To: _____

Project No.: 13-067

Site Name: _____

Telephone #: _____

Location: _____ State: _____

Project Mgr: _____

P.O. No.: _____ RQN: _____

Sampler(s): DiBender

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11=_____ 12=_____

List preservative code below:

QA/QC Reporting Notes:

* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

Containers:

Analyses:

MA DEP MCP CAM Report: Yes ☐ No ☐

CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level

☒ Standard ☐ No QC ☐ DQA*

☐ NY ASP A* ☐ NY ASP B*

☐ NJ Reduced* ☐ NJ Full*

☐ TIER II* ☐ TIER IV*

☐ Other _____

State-specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses	Temp °C
SB734221	SS-21	7/17/13	11:41	G	SO		1			X	
-22	SS-22		11:45								
-23	SS-23		12:11								
-24	SS-24		12:02								
-25	SS-25		11:57								
-26	SS-26		11:53								
-27	SS-27		11:49								
-28	SS-28		3:03								
-29	SS-29		3:07								
-30	SS-30		3:16								

Relinquished by: [Signature] Received by: [Signature] Date: 7/17/13 Time: 1610 Temp °C: 21.5

☐ EDD Format ☐ E-mail to _____

Condition upon receipt:
☐ Ambient ☒ Iced ☐ Refrigerated ☐ D/VOA Frozen ☐ Soil Jar Frozen

SB7334231



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 4

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3-DAY
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: AEC

Invoice To: _____

Project No.: B-067

Site Name: _____

Telephone #: _____

Location: _____ State: _____

Project Mgr. _____

P.O. No.: _____ RQN: _____

Sampler(s): D Bender / R

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= 12=

List preservative code below:

QA/QC Reporting Notes:

* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

Containers:

Analyses:

MA DEP MCP CAM Report: Yes ☐ No ☐

CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level

☒ Standard ☐ No QC ☐ DQA*

☐ NY ASP A* ☐ NY ASP B*

☐ NJ Reduced* ☐ NJ Full*

☐ TIER II* ☐ TIER IV*

☐ Other

State-specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses	Analyses	Analyses	Analyses	Analyses	Analyses	Analyses	Analyses	Analyses	Analyses
SB7334231	SS-31	7/17/13	3:22	G	SO		1												
-32	SS-32		3:40																
-33	SS-33		3:35																
-34	SS-34		3:32																
-35	SS-35		3:28																
-36	SS-36		3:25																
Relinquished by: <u>[Signature]</u> Received by: <u>[Signature]</u> Date: <u>7/17/13</u> Time: <u>1610</u> Temp °C: <u>21.5</u>																			
Condition upon receipt: <input type="checkbox"/> Ambient <input checked="" type="checkbox"/> Iced <input type="checkbox"/> Refrigerated <input type="checkbox"/> D/V O/A Frozen <input type="checkbox"/> Soil Jar Frozen																			



Rich McKenna
Asbestos & Environmental Consulting Corp
6296 Fly Road
East Syracuse, NY 13057

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FAX: (315) 432-9405

Laboratory Analysis Report

For

Asbestos & Environmental Consulting Corp

Client Project ID:

13-067

LSL Project ID: **1311077**

Receive Date/Time: 07/17/13 16:25

Project Received by: GS

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc. This report may only be reproduced in its entirety. No partial duplication is allowed. The Chain of Custody document submitted with these samples is considered by LSL to be an appendix of this report and may contain specific information that pertains to the samples included in this report. The analytical result(s) in this report are only representative of the sample(s) submitted for analysis. LSL makes no claim of a sample's representativeness, or integrity, if sampling was not performed by LSL personnel.

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Canandaigua, NY 14424
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Fax (585) 728-2711

This report was reviewed by:

Linda M. Pichaj, QA
Life Science Laboratories, Inc.

Date:

7/23/13

A copy of this report was sent to:

Page 1 of 5

Date Printed:

7/23/13

- - LABORATORY ANALYSIS REPORT - -

Asbestos & Environmental Consulting Corp East Syracuse, NY

Sample ID: SS-7D Grab LSL Sample ID: 1311077-001

Location:

Sampled: 07/17/13 9:07 Sampled By: RM

Sample Matrix: SHW Dry Wt, Soil

Analytical Method	Result	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Units				
(1) EPA 8082 PCB's		EPA 3550B			
Aroclor-1016	<0.03	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1221	<0.03	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1232	<0.03	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1242	<0.03	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1248	<0.03	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1254	<0.03	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1260	<0.03	mg/kg dry	7/22/13	7/23/13	CRT
Surrogate (DCB)	44	%R	7/22/13	7/23/13	CRT
(1) SM 18-20 2540B Total Solids					
Total Solids @ 103-105 C	66	%		7/18/13	CRT

Analysis is not certifiable by NYS DOH ELAP.

-- LABORATORY ANALYSIS REPORT --

Asbestos & Environmental Consulting Corp East Syracuse, NY

Sample ID: SS-11D Grab LSL Sample ID: 1311077-002

Location:

Sampled: 07/17/13 10:00 Sampled By: RM

Sample Matrix: SHW Dry Wt, Soil

Analytical Method	Result	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte		Units			
(1) EPA 8082 PCB's		EPA 3550B			
Aroclor-1016	<0.02	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1221	<0.02	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1232	<0.02	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1242	<0.02	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1248	<0.02	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1254	0.12	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1260	0.14	mg/kg dry	7/22/13	7/23/13	CRT
Surrogate (DCB)	79	%R	7/22/13	7/23/13	CRT
(1) SM 18-20 2540B Total Solids					
Total Solids @ 103-105 C	73	%		7/18/13	CRT

Analysis is not certifiable by NYS DOH ELAP.

-- LABORATORY ANALYSIS REPORT --

Asbestos & Environmental Consulting Corp East Syracuse, NY

Sample ID: SS-23D Grab LSL Sample ID: 1311077-003
Location:
Sampled: 07/17/13 12:11 Sampled By: RM
Sample Matrix: SHW Dry Wt, Soil

Analytical Method	Result	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte		Units			
(1) EPA 8082 PCB's		EPA 3550B			
Aroclor-1016	<0.02	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1221	<0.02	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1232	<0.02	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1242	<0.02	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1248	<0.02	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1254	<0.02	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1260	<0.02	mg/kg dry	7/22/13	7/23/13	CRT
Surrogate (DCB)	58	%R	7/22/13	7/23/13	CRT
(1) SM 18-20 2540B Total Solids					
Total Solids @ 103-105 C	78	%		7/18/13	CRT

Analysis is not certifiable by NYS DOH ELAP.

-- LABORATORY ANALYSIS REPORT --

Asbestos & Environmental Consulting Corp East Syracuse, NY

Sample ID: SS-30D Grab LSL Sample ID: 1311077-004
Location:
Sampled: 07/17/13 15:16 Sampled By: RM
Sample Matrix: SHW Dry Wt, Soil

Analytical Method	Result	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte		Units			
(1) EPA 8082 PCB's		EPA 3550B			
Aroclor-1016	<0.02	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1221	<0.02	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1232	<0.02	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1242	<0.02	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1248	<0.02	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1254	0.064	mg/kg dry	7/22/13	7/23/13	CRT
Aroclor-1260	<0.02	mg/kg dry	7/22/13	7/23/13	CRT
Surrogate (DCB)	66	%R	7/22/13	7/23/13	CRT
(1) SM 18-20 2540B Total Solids					
Total Solids @ 103-105 C	74	%		7/18/13	CRT

Analysis is not certifiable by NYS DOH ELAP.



SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS

<u>Method</u>	<u>Surrogate(s)</u>	<u>Water Limits, %R</u>	<u>SHW Limits, %R</u>
EPA 504	TCMX	80-120	NA
EPA 508	DCB	70-130	NA
EPA 515.4	DCAA	70-130	NA
EPA 524.2	1,2-DCA-d4	70-130	NA
EPA 524.2	Tol-d8, 4-BFB	75-125	NA
EPA 525.2	1,3-DM-2-NB, TPP, Per-d12	70-130	NA
EPA 526	1,3-DM-2-NB, TPP	70-130	NA
EPA 528	2-CP-3,4,5,6-d4, 2,4,6-TBP	70-130	NA
EPA 551.1	Decafluorobiphenyl	80-120	NA
EPA 552.2	2,3-DBPA	70-130	NA
EPA 601/602	1,2-DCA-d4	70-130	NA
EPA 601/602	Tol-d8, 4-BFB	75-125	NA
EPA 608	TCMX, DCB	30-150	NA
EPA 624	1,2-DCA-d4	70-130	NA
EPA 624	Tol-d8, 4-BFB	75-125	NA
EPA 625, AE	2-Fluorophenol	21-110	NA
EPA 625, AE	Phenol-d5	10-110	NA
EPA 625, AE	2,4,6-Tribromophenol	10-123	NA
EPA 625, BN	Nitrobenzene-d5	35-114	NA
EPA 625, BN	2-Fluorobiphenyl	43-116	NA
EPA 625, BN	Terphenyl-d14	33-141	NA
EPA 8010/8020/8021	1,2-DCA-d4	70-130	69-127
EPA 8010/8020/8021	Tol-d8	75-125	72-138
EPA 8010/8020/8021	4-BFB	75-125	53-167
EPA 8081	TCMX, DCB	30-150	30-150
EPA 8082	DCB	30-150	30-150
EPA 8151	DCAA	30-130	30-120
EPA 8260	1,2-DCA-d4	70-130	69-127
EPA 8260	Tol-d8	75-125	72-138
EPA 8260	4-BFB	75-125	53-167
EPA 8270, AE	2-Fluorophenol	21-110	25-121
EPA 8270, AE	Phenol-d5	10-110	24-113
EPA 8270, AE	2,4,6-Tribromophenol	10-123	19-122
EPA 8270, BN	Nitrobenzene-d5	35-114	23-120
EPA 8270, BN	2-Fluorobiphenyl	43-116	30-115
EPA 8270, BN	Terphenyl-d14	33-141	18-137
DOH 310-13	Terphenyl-d14	40-110	40-110
DOH 310-14	Terphenyl-d14	40-110	40-110
DOH 310-15	Terphenyl-d14	40-110	40-110
DOH 310-34	4-BFB	50-150	50-150
DOH 313-4	DCB	NA	30-150
8015M_GRO	4-BFB	50-150	50-150
8015M_DRO	Terphenyl-d14	50-150	50-150

Units Key:	ug/l = microgram per liter ug/kg = microgram per kilogram mg/l = milligram per liter mg/kg = milligram per kilogram %R = Percent Recovery
------------	---



CHAIN OF CUSTODY RECORD

LSL Southern Tier Lab
30 East Main Street
Cuba, NY 14727
Phone: (585) 968-2640
Fax: (585) 968-0906
Email: lslstl@lsl-inc.com

6063

E-mail: is1111@ISI-INC.COM

Sample Temp	
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Reg COC

26.04

Report Date:
14-Oct-14 12:26



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

AECC Environmental Consulting
6308 Fly Road
East Syracuse, NY 13057
Attn: Rich McKenna

Project: WBP - Dewitt, NY
Project #: 14-091

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SB97664-01	SS-52	Soil	07-Oct-14 11:10	07-Oct-14 16:45
SB97664-02	SS-55	Soil	07-Oct-14 11:20	07-Oct-14 16:45
SB97664-03	SS-53	Soil	07-Oct-14 11:26	07-Oct-14 16:45
SB97664-04	SS-50	Soil	07-Oct-14 11:34	07-Oct-14 16:45
SB97664-05	SS-49	Soil	07-Oct-14 11:53	07-Oct-14 16:45
SB97664-06	SS-48	Soil	07-Oct-14 12:07	07-Oct-14 16:45
SB97664-07	SS-44	Soil	07-Oct-14 12:19	07-Oct-14 16:45
SB97664-08	SS-41	Soil	07-Oct-14 12:33	07-Oct-14 16:45
SB97664-09	SS-42	Soil	07-Oct-14 12:39	07-Oct-14 16:45
SB97664-10	SS-45	Soil	07-Oct-14 12:47	07-Oct-14 16:45
SB97664-11	SS-39	Soil	07-Oct-14 13:00	07-Oct-14 16:45
SB97664-12	SS-46	Soil	07-Oct-14 13:09	07-Oct-14 16:45
SB97664-13	SS-51	Soil	07-Oct-14 13:16	07-Oct-14 16:45
SB97664-14	SS-54	Soil	07-Oct-14 13:23	07-Oct-14 16:45
SB97664-15	SS-47	Soil	07-Oct-14 13:31	07-Oct-14 16:45
SB97664-16	SS-43	Soil	07-Oct-14 13:38	07-Oct-14 16:45
SB97664-17	SS-40	Soil	07-Oct-14 13:50	07-Oct-14 16:45
SB97664-18	SS-38	Soil	07-Oct-14 13:59	07-Oct-14 16:45
SB97664-19	SS-37	Soil	07-Oct-14 14:04	07-Oct-14 16:45
SB97664-20	SS-57	Soil	07-Oct-14 14:20	07-Oct-14 16:45
SB97664-21	SS-58	Soil	07-Oct-14 14:26	07-Oct-14 16:45
SB97664-22	SS-56	Soil	07-Oct-14 14:32	07-Oct-14 16:45
SB97664-23	SS-60	Soil	07-Oct-14 14:43	07-Oct-14 16:45
SB97664-24	SS-59	Soil	07-Oct-14 14:50	07-Oct-14 16:45
SB97664-25	SS-61	Soil	07-Oct-14 15:05	07-Oct-14 16:45
SB97664-26	SS-62	Soil	07-Oct-14 15:12	07-Oct-14 16:45
SB97664-27	SS-66	Soil	07-Oct-14 15:16	07-Oct-14 16:45
SB97664-28	SS-65	Soil	07-Oct-14 15:21	07-Oct-14 16:45
SB97664-29	SS-63	Soil	07-Oct-14 15:25	07-Oct-14 16:45
SB97664-30	SS-64	Soil	07-Oct-14 15:29	07-Oct-14 16:45

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 41 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, NJ-MA012, PA-68-04426 and FL-E87936).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

Data has been reported to the MDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

The samples were received 5.7 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

SB97664-01 SS-52

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB97664-03 SS-53

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB97664-05 SS-49

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB97664-08 SS-41

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SW846 8082A**Samples:**

SB97664-09 SS-42

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB97664-10 SS-45

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB97664-12 SS-46

Difference between the two GC columns is greater than 40%.

Aroclor-1254 [2C]

SB97664-13 SS-51

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)

4,4-DB-Octafluorobiphenyl (Sr) [2C]

Decachlorobiphenyl (Sr)

Decachlorobiphenyl (Sr) [2C]

SB97664-18 SS-38

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)

4,4-DB-Octafluorobiphenyl (Sr) [2C]

Decachlorobiphenyl (Sr)

Decachlorobiphenyl (Sr) [2C]

SB97664-19 SS-37

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)

4,4-DB-Octafluorobiphenyl (Sr) [2C]

Decachlorobiphenyl (Sr)

Decachlorobiphenyl (Sr) [2C]

SB97664-22 SS-56

The Reporting Limit has been raised to account for matrix interference.

Aroclor-1254

SB97664-27 SS-66

The Reporting Limit has been raised to account for matrix interference.

SB97664-28 SS-65

SW846 8082A

Samples:

SB97664-28

SS-65

The Reporting Limit has been raised to account for matrix interference.

Aroclor-1016

Aroclor-1221

Aroclor-1232

Aroclor-1242

Aroclor-1248

Sample Acceptance Check Form

Client: AECC Environmental Consulting
Project: WBP - Dewitt, NY / 14-091
Work Order: SB97664
Sample(s) received on: 10/7/2014

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
1. Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Were custody seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Were samples received at a temperature of $\leq 6^{\circ}\text{C}$?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Were samples cooled on ice upon transfer to laboratory representative?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Were samples refrigerated upon transfer to laboratory representative?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Were sample containers received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Were samples accompanied by a Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Did sample container labels agree with Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Were samples received within method-specific holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Identification

SS-52

SB97664-01

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 11:10

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 1160	U, D	µg/kg dry	1240	1160	50	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423784	X
11104-28-2	Aroclor-1221	< 1060	U, D	µg/kg dry	1240	1060	50	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1110	U, D	µg/kg dry	1240	1110	50	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 551	U, D	µg/kg dry	1240	551	50	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	25,300	D	µg/kg dry	1240	680	50	"	"	"	"	"	X
11097-69-1	Aroclor-1254	37,500	D	µg/kg dry	1240	783	50	"	"	"	"	"	X
11096-82-5	Aroclor-1260	3,720	D	µg/kg dry	1240	887	50	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 672	U, D	µg/kg dry	1240	672	50	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1220	U, D	µg/kg dry	1240	1220	50	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	80.4	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423765	
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This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

SS-55

SB97664-02

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 11:20

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 21.8	U	µg/kg dry	23.3	21.8	1	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423784	X
11104-28-2	Aroclor-1221	< 19.8	U	µg/kg dry	23.3	19.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.9	U	µg/kg dry	23.3	20.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.4	U	µg/kg dry	23.3	10.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	37.3		µg/kg dry	23.3	12.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 14.7	U	µg/kg dry	23.3	14.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16.7	U	µg/kg dry	23.3	16.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 12.6	U	µg/kg dry	23.3	12.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.9	U	µg/kg dry	23.3	22.9	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	85			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	84.8	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423765	
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This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

SS-53

SB97664-03

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 11:26

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 2170	U, D	µg/kg dry	2330	2170	100	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423784	X
11104-28-2	Aroclor-1221	< 1980	U, D	µg/kg dry	2330	1980	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 2090	U, D	µg/kg dry	2330	2090	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1030	U, D	µg/kg dry	2330	1030	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	98,100	D	µg/kg dry	2330	1270	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254	93,100	D	µg/kg dry	2330	1470	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	6,640	D	µg/kg dry	2330	2210	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1260	U, D	µg/kg dry	2330	1260	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 2290	U, D	µg/kg dry	2330	2290	100	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	82.3	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423765	
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This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

SS-50

SB97664-04

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 11:34

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 22.4	U	µg/kg dry	24.0	22.4	1	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423784	X
11104-28-2	Aroclor-1221	< 20.4	U	µg/kg dry	24.0	20.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.5	U	µg/kg dry	24.0	21.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.7	U	µg/kg dry	24.0	10.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	69.5		µg/kg dry	24.0	13.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	94.7		µg/kg dry	24.0	14.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	27.6		µg/kg dry	24.0	22.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 13.0	U	µg/kg dry	24.0	13.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.6	U	µg/kg dry	24.0	23.6	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	80.5			%			1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423765	
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This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

SS-49

SB97664-05

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 11:53

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 2390	U, D	µg/kg dry	2550	2390	100	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423784	X
11104-28-2	Aroclor-1221	< 2170	U, D	µg/kg dry	2550	2170	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 2290	U, D	µg/kg dry	2550	2290	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1140	U, D	µg/kg dry	2550	1140	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	32,300	D	µg/kg dry	2550	1400	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254	53,100	D	µg/kg dry	2550	1610	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	5,110	D	µg/kg dry	2550	2420	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1380	U, D	µg/kg dry	2550	1380	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 2510	U, D	µg/kg dry	2550	2510	100	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	77.5	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423765	
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Sample Identification

SS-48

SB97664-06

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 12:07

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 22.7	U	µg/kg dry	24.3	22.7	1	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423784	X
11104-28-2	Aroclor-1221	< 20.7	U	µg/kg dry	24.3	20.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.9	U	µg/kg dry	24.3	21.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.8	U	µg/kg dry	24.3	10.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13.2	U	µg/kg dry	24.3	13.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 15.3	U	µg/kg dry	24.3	15.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 17.4	U	µg/kg dry	24.3	17.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 13.2	U	µg/kg dry	24.3	13.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.9	U	µg/kg dry	24.3	23.9	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	85			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	85			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	80.1	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423765	
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Sample Identification

SS-44

SB97664-07

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 12:19

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 23.4	U	µg/kg dry	25.1	23.4	1	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423784	X
11104-28-2	Aroclor-1221	< 21.3	U	µg/kg dry	25.1	21.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.5	U	µg/kg dry	25.1	22.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 11.1	U	µg/kg dry	25.1	11.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	45.1		µg/kg dry	25.1	13.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	123		µg/kg dry	25.1	14.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	26.3		µg/kg dry	25.1	17.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 13.6	U	µg/kg dry	25.1	13.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.6	U	µg/kg dry	25.1	24.6	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	78.5			%			1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423765	
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Sample Identification

SS-41

SB97664-08

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 12:33

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 1120	U, D	µg/kg dry	1200	1120	50	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423784	X
11104-28-2	Aroclor-1221	< 1020	U, D	µg/kg dry	1200	1020	50	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1070	U, D	µg/kg dry	1200	1070	50	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 531	U, D	µg/kg dry	1200	531	50	"	"	"	"	"	X
12672-29-6	Aroclor-1248	19,700	D	µg/kg dry	1200	650	50	"	"	"	"	"	X
11097-69-1	Aroclor-1254	17,400	D	µg/kg dry	1200	754	50	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	1,430	D	µg/kg dry	1200	1130	50	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 648	U, D	µg/kg dry	1200	648	50	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1170	U, D	µg/kg dry	1200	1170	50	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	80.7	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423765	
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Sample Identification

SS-42

SB97664-09

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 12:39

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 426	U, D	µg/kg dry	457	426	20	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423784	X
11104-28-2	Aroclor-1221	< 389	U, D	µg/kg dry	457	389	20	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 410	U, D	µg/kg dry	457	410	20	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 203	U, D	µg/kg dry	457	203	20	"	"	"	"	"	X
12672-29-6	Aroclor-1248	7,460	D	µg/kg dry	457	248	20	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	7,400	D	µg/kg dry	457	272	20	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	616	D	µg/kg dry	457	433	20	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 247	U, D	µg/kg dry	457	247	20	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 449	U, D	µg/kg dry	457	449	20	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100		30-150 %		"	"	"	"	"
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100		30-150 %		"	"	"	"	"
2051-24-3	Decachlorobiphenyl (Sr)	100		30-150 %		"	"	"	"	"
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100		30-150 %		"	"	"	"	"

General Chemistry Parameters

% Solids	86.4	%				1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423765
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Sample Identification

SS-45

SB97664-10

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 12:47

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 450	U, D	µg/kg dry	482	450	20	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423784	X
11104-28-2	Aroclor-1221	< 410	U, D	µg/kg dry	482	410	20	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 433	U, D	µg/kg dry	482	433	20	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 214	U, D	µg/kg dry	482	214	20	"	"	"	"	"	X
12672-29-6	Aroclor-1248	17,300	D	µg/kg dry	482	262	20	"	"	"	"	"	X
11097-69-1	Aroclor-1254	18,300	D	µg/kg dry	482	304	20	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	1,520	D	µg/kg dry	482	457	20	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 261	U, D	µg/kg dry	482	261	20	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 474	U, D	µg/kg dry	482	474	20	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	81.4	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423766	
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Sample Identification

SS-39

SB97664-11

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 13:00

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 22.8	U	µg/kg dry	24.5	22.8	1	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423784	X
11104-28-2	Aroclor-1221	< 20.8	U	µg/kg dry	24.5	20.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.0	U	µg/kg dry	24.5	22.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.9	U	µg/kg dry	24.5	10.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	207		µg/kg dry	24.5	13.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	487		µg/kg dry	24.5	14.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	77.1		µg/kg dry	24.5	23.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 13.3	U	µg/kg dry	24.5	13.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.0	U	µg/kg dry	24.5	24.0	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	85			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	78.8	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423766	
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Sample Identification

SS-46

SB97664-12

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 13:09

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GC

Polychlorinated Biphenyls

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 25.6	U	µg/kg dry	27.4	25.6	1	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423784	X
11104-28-2	Aroclor-1221	< 23.3	U	µg/kg dry	27.4	23.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.6	U	µg/kg dry	27.4	24.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.2	U	µg/kg dry	27.4	12.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	194		µg/kg dry	27.4	14.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	333	P	µg/kg dry	27.4	16.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	60.3		µg/kg dry	27.4	19.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.8	U	µg/kg dry	27.4	14.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 26.9	U	µg/kg dry	27.4	26.9	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	135			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	72.2	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423766	
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Sample Identification

SS-51

SB97664-13

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 13:16

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 2420	U, D	µg/kg dry	2590	2420	100	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423784	X
11104-28-2	Aroclor-1221	< 2200	U, D	µg/kg dry	2590	2200	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 2330	U, D	µg/kg dry	2590	2330	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1150	U, D	µg/kg dry	2590	1150	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	78,000	D	µg/kg dry	2590	1410	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	54,500	D	µg/kg dry	2590	1550	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	5,440	D	µg/kg dry	2590	2460	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1400	U, D	µg/kg dry	2590	1400	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 2550	U, D	µg/kg dry	2590	2550	100	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	75.4	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423766	
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Sample Identification

SS-54

SB97664-14

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 13:23

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 23.1	U	µg/kg dry	24.7	23.1	1	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423784	X
11104-28-2	Aroclor-1221	< 21.1	U	µg/kg dry	24.7	21.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.2	U	µg/kg dry	24.7	22.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 11.0	U	µg/kg dry	24.7	11.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	55.7		µg/kg dry	24.7	13.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	79.2		µg/kg dry	24.7	15.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 17.7	U	µg/kg dry	24.7	17.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 13.4	U	µg/kg dry	24.7	13.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.3	U	µg/kg dry	24.7	24.3	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	85			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	79.0			%			1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423766	
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Sample Identification

SS-47

SB97664-15

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 13:31

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 23.8	U	µg/kg dry	25.5	23.8	1	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423784	X
11104-28-2	Aroclor-1221	< 21.7	U	µg/kg dry	25.5	21.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.9	U	µg/kg dry	25.5	22.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 11.3	U	µg/kg dry	25.5	11.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13.9	U	µg/kg dry	25.5	13.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	20.4	J	µg/kg dry	25.5	15.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 18.3	U	µg/kg dry	25.5	18.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 13.8	U	µg/kg dry	25.5	13.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.1	U	µg/kg dry	25.5	25.1	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	80			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	78.2	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423766	
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Sample Identification

SS-43

SB97664-16

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 13:38

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 24.3	U	µg/kg dry	26.1	24.3	1	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423784	X
11104-28-2	Aroclor-1221	< 22.2	U	µg/kg dry	26.1	22.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.4	U	µg/kg dry	26.1	23.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 11.6	U	µg/kg dry	26.1	11.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	112		µg/kg dry	26.1	14.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	117		µg/kg dry	26.1	15.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	45.6		µg/kg dry	26.1	24.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.1	U	µg/kg dry	26.1	14.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.6	U	µg/kg dry	26.1	25.6	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	85			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	76.1	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423766	
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Sample Identification

SS-40

SB97664-17

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 13:50

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 25.3	U	µg/kg dry	27.1	25.3	1	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423784	X
11104-28-2	Aroclor-1221	< 23.1	U	µg/kg dry	27.1	23.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.4	U	µg/kg dry	27.1	24.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.1	U	µg/kg dry	27.1	12.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.8	U	µg/kg dry	27.1	14.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	35.3		µg/kg dry	27.1	16.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 19.4	U	µg/kg dry	27.1	19.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.7	U	µg/kg dry	27.1	14.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 26.7	U	µg/kg dry	27.1	26.7	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	80			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	72.8	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423766	
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Sample Identification

SS-38

SB97664-18

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 13:59

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 1090	U, D	µg/kg dry	1170	1090	50	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423784	X
11104-28-2	Aroclor-1221	< 996	U, D	µg/kg dry	1170	996	50	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1050	U, D	µg/kg dry	1170	1050	50	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 520	U, D	µg/kg dry	1170	520	50	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	44,800	D	µg/kg dry	1170	641	50	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	39,300	D	µg/kg dry	1170	698	50	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	3,330	D	µg/kg dry	1170	1110	50	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 634	U, D	µg/kg dry	1170	634	50	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1150	U, D	µg/kg dry	1170	1150	50	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	85.1	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423766	
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Sample Identification

SS-37

SB97664-19

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 14:04

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 1030	U, D	µg/kg dry	1100	1030	50	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423784	X
11104-28-2	Aroclor-1221	< 939	U, D	µg/kg dry	1100	939	50	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 992	U, D	µg/kg dry	1100	992	50	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 491	U, D	µg/kg dry	1100	491	50	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	54,300	D	µg/kg dry	1100	605	50	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	46,000	D	µg/kg dry	1100	658	50	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	4,080	D	µg/kg dry	1100	1050	50	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 598	U, D	µg/kg dry	1100	598	50	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1080	U, D	µg/kg dry	1100	1080	50	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	87.5	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423766	
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Sample Identification

SS-57

SB97664-20

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 14:20

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 19.3	U	µg/kg dry	20.6	19.3	1	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423784	X
11104-28-2	Aroclor-1221	< 17.6	U	µg/kg dry	20.6	17.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 18.5	U	µg/kg dry	20.6	18.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 9.17	U	µg/kg dry	20.6	9.17	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 11.2	U	µg/kg dry	20.6	11.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	25.8		µg/kg dry	20.6	12.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 14.8	U	µg/kg dry	20.6	14.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 11.2	U	µg/kg dry	20.6	11.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.3	U	µg/kg dry	20.6	20.3	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	85			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	93.3	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423766	
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Sample Identification

SS-58

SB97664-21

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 14:26

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 21.3	U	µg/kg dry	22.8	21.3	1	SW846 8082A	08-Oct-14	09-Oct-14	IMR	1423786	X
11104-28-2	Aroclor-1221	< 19.4	U	µg/kg dry	22.8	19.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.5	U	µg/kg dry	22.8	20.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.1	U	µg/kg dry	22.8	10.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 12.4	U	µg/kg dry	22.8	12.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 14.4	U	µg/kg dry	22.8	14.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16.3	U	µg/kg dry	22.8	16.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 12.3	U	µg/kg dry	22.8	12.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.4	U	µg/kg dry	22.8	22.4	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	75			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	86.3	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423766	
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This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

SS-56

SB97664-22

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 14:32

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 20.3	U	µg/kg dry	21.8	20.3	1	SW846 8082A	08-Oct-14	09-Oct-14	IMR	1423786	X
11104-28-2	Aroclor-1221	< 18.5	U	µg/kg dry	21.8	18.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.6	U	µg/kg dry	21.8	19.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 9.68	U	µg/kg dry	21.8	9.68	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 11.8	U	µg/kg dry	21.8	11.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 27.5	R01, U	µg/kg dry	43.6	27.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 15.6	U	µg/kg dry	21.8	15.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 11.8	U	µg/kg dry	21.8	11.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.4	U	µg/kg dry	21.8	21.4	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	85			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	90.7	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423766	
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Sample Identification

SS-60

SB97664-23

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 14:43

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 20.5	U	µg/kg dry	22.0	20.5	1	SW846 8082A	08-Oct-14	09-Oct-14	IMR	1423786	X
11104-28-2	Aroclor-1221	< 18.7	U	µg/kg dry	22.0	18.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.7	U	µg/kg dry	22.0	19.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 9.76	U	µg/kg dry	22.0	9.76	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 11.9	U	µg/kg dry	22.0	11.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 13.9	U	µg/kg dry	22.0	13.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 15.7	U	µg/kg dry	22.0	15.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 11.9	U	µg/kg dry	22.0	11.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.6	U	µg/kg dry	22.0	21.6	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	75			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	88.7	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423766	
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Sample Identification

SS-59

SB97664-24

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 14:50

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 21.5	U	µg/kg dry	23.0	21.5	1	SW846 8082A	08-Oct-14	09-Oct-14	IMR	1423786	X
11104-28-2	Aroclor-1221	< 19.6	U	µg/kg dry	23.0	19.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.7	U	µg/kg dry	23.0	20.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.2	U	µg/kg dry	23.0	10.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	619		µg/kg dry	23.0	12.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	974		µg/kg dry	23.0	13.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	87.5		µg/kg dry	23.0	21.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 12.5	U	µg/kg dry	23.0	12.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.6	U	µg/kg dry	23.0	22.6	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	85			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	75			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	86.4			%			1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423766	
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Sample Identification

SS-61

SB97664-25

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 15:05

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 18.9	U	µg/kg dry	20.2	18.9	1	SW846 8082A	08-Oct-14	09-Oct-14	IMR	1423786	X
11104-28-2	Aroclor-1221	< 17.2	U	µg/kg dry	20.2	17.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 18.2	U	µg/kg dry	20.2	18.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 8.98	U	µg/kg dry	20.2	8.98	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 11.0	U	µg/kg dry	20.2	11.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 12.7	U	µg/kg dry	20.2	12.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 14.5	U	µg/kg dry	20.2	14.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 11.0	U	µg/kg dry	20.2	11.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 19.9	U	µg/kg dry	20.2	19.9	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	75			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	93.8	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423766	
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Sample Identification

SS-62

SB97664-26

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 15:12

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 20.1	U	µg/kg dry	21.5	20.1	1	SW846 8082A	08-Oct-14	09-Oct-14	IMR	1423786	X
11104-28-2	Aroclor-1221	< 18.3	U	µg/kg dry	21.5	18.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.3	U	µg/kg dry	21.5	19.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 9.57	U	µg/kg dry	21.5	9.57	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 11.7	U	µg/kg dry	21.5	11.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 13.6	U	µg/kg dry	21.5	13.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 15.4	U	µg/kg dry	21.5	15.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 11.7	U	µg/kg dry	21.5	11.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.2	U	µg/kg dry	21.5	21.2	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	75			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	92.8	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423766	
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Sample Identification

SS-66

SB97664-27

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 15:16

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

R01

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 40.3	U	µg/kg dry	43.2	40.3	1	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423786	X
11104-28-2	Aroclor-1221	< 36.7	U	µg/kg dry	43.2	36.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 38.8	U	µg/kg dry	43.2	38.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 19.2	U	µg/kg dry	43.2	19.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 23.5	U	µg/kg dry	43.2	23.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 27.2	U	µg/kg dry	43.2	27.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 30.9	U	µg/kg dry	43.2	30.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.4	U	µg/kg dry	43.2	23.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 42.4	U	µg/kg dry	43.2	42.4	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	120			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	85			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	91.9	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423766	
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Sample Identification

SS-65

SB97664-28

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 15:21

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 40.4	R01, U	µg/kg dry	43.2	40.4	1	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423786	X
11104-28-2	Aroclor-1221	< 36.8	R01, U	µg/kg dry	43.2	36.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 38.9	R01, U	µg/kg dry	43.2	38.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 19.2	R01, U	µg/kg dry	43.2	19.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 23.5	R01, U	µg/kg dry	43.2	23.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	74.6		µg/kg dry	21.6	12.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	< 20.5	U	µg/kg dry	21.6	20.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 11.7	U	µg/kg dry	21.6	11.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.3	U	µg/kg dry	21.6	21.3	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	135			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	92.2	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423766	
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Sample Identification

SS-63

SB97664-29

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 15:25

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 21.1	U	µg/kg dry	22.6	21.1	1	SW846 8082A	08-Oct-14	09-Oct-14	IMR	1423786	X
11104-28-2	Aroclor-1221	< 19.2	U	µg/kg dry	22.6	19.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.3	U	µg/kg dry	22.6	20.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.0	U	µg/kg dry	22.6	10.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	28.2		µg/kg dry	22.6	12.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	65.5		µg/kg dry	22.6	13.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	< 21.4	U	µg/kg dry	22.6	21.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 12.2	U	µg/kg dry	22.6	12.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.2	U	µg/kg dry	22.6	22.2	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	85			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	87.3	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423766	
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Sample Identification

SS-64

SB97664-30

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 15:29

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 20.8	U	µg/kg dry	22.3	20.8	1	SW846 8082A	08-Oct-14	09-Oct-14	IMR	1423786	X
11104-28-2	Aroclor-1221	< 19.0	U	µg/kg dry	22.3	19.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.0	U	µg/kg dry	22.3	20.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 9.91	U	µg/kg dry	22.3	9.91	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 12.1	U	µg/kg dry	22.3	12.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 14.1	U	µg/kg dry	22.3	14.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16.0	U	µg/kg dry	22.3	16.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 12.1	U	µg/kg dry	22.3	12.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.9	U	µg/kg dry	22.3	21.9	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	75			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	85.7	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423767	
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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1423784 - SW846 3540C										
Blank (1423784-BLK1)					Prepared: 08-Oct-14 Analyzed: 10-Oct-14					
Aroclor-1016	< 18.3	U	µg/kg wet	18.3						
Aroclor-1016 [2C]	< 12.7	U	µg/kg wet	12.7						
Aroclor-1221	< 16.7	U	µg/kg wet	16.7						
Aroclor-1221 [2C]	< 14.4	U	µg/kg wet	14.4						
Aroclor-1232	< 17.6	U	µg/kg wet	17.6						
Aroclor-1232 [2C]	< 15.1	U	µg/kg wet	15.1						
Aroclor-1242	< 8.70	U	µg/kg wet	8.70						
Aroclor-1242 [2C]	< 15.3	U	µg/kg wet	15.3						
Aroclor-1248	< 10.6	U	µg/kg wet	10.6						
Aroclor-1248 [2C]	< 10.7	U	µg/kg wet	10.7						
Aroclor-1254	< 12.4	U	µg/kg wet	12.4						
Aroclor-1254 [2C]	< 11.7	U	µg/kg wet	11.7						
Aroclor-1260	< 14.0	U	µg/kg wet	14.0						
Aroclor-1260 [2C]	< 18.6	U	µg/kg wet	18.6						
Aroclor-1262	< 10.6	U	µg/kg wet	10.6						
Aroclor-1262 [2C]	< 9.79	U	µg/kg wet	9.79						
Aroclor-1268	< 19.2	U	µg/kg wet	19.2						
Aroclor-1268 [2C]	< 18.8	U	µg/kg wet	18.8						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	16.6		µg/kg wet		19.6		85	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	17.6		µg/kg wet		19.6		90	30-150		
Surrogate: Decachlorobiphenyl (Sr)	18.6		µg/kg wet		19.6		95	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	15.7		µg/kg wet		19.6		80	30-150		
LCS (1423784-BS1)					Prepared: 08-Oct-14 Analyzed: 10-Oct-14					
Aroclor-1016	217		µg/kg wet	18.4	246		88	40-140		
Aroclor-1016 [2C]	216		µg/kg wet	12.7	246		88	40-140		
Aroclor-1260	201		µg/kg wet	14.1	246		82	40-140		
Aroclor-1260 [2C]	199		µg/kg wet	18.6	246		81	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	17.7		µg/kg wet		19.7		90	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	18.7		µg/kg wet		19.7		95	30-150		
Surrogate: Decachlorobiphenyl (Sr)	19.7		µg/kg wet		19.7		100	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	16.7		µg/kg wet		19.7		85	30-150		
LCS Dup (1423784-BSD1)					Prepared: 08-Oct-14 Analyzed: 10-Oct-14					
Aroclor-1016	215		µg/kg wet	18.3	244		88	40-140	0.5	30
Aroclor-1016 [2C]	212		µg/kg wet	12.7	244		87	40-140	1	30
Aroclor-1260	197		µg/kg wet	14.0	244		81	40-140	1	30
Aroclor-1260 [2C]	194		µg/kg wet	18.5	244		80	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	17.6		µg/kg wet		19.5		90	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	18.6		µg/kg wet		19.5		95	30-150		
Surrogate: Decachlorobiphenyl (Sr)	19.5		µg/kg wet		19.5		100	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	16.6		µg/kg wet		19.5		85	30-150		
Duplicate (1423784-DUP1)					Source: SB97664-20 Prepared: 08-Oct-14 Analyzed: 10-Oct-14					
Aroclor-1016	< 19.9	U	µg/kg dry	19.9		BRL				30
Aroclor-1016 [2C]	< 13.8	U	µg/kg dry	13.8		BRL				30
Aroclor-1221	< 18.1	U	µg/kg dry	18.1		BRL				30
Aroclor-1221 [2C]	< 15.6	U	µg/kg dry	15.6		BRL				30
Aroclor-1232	< 19.1	U	µg/kg dry	19.1		BRL				30
Aroclor-1232 [2C]	< 16.4	U	µg/kg dry	16.4		BRL				30
Aroclor-1242	< 9.46	U	µg/kg dry	9.46		BRL				30
Aroclor-1242 [2C]	< 16.6	U	µg/kg dry	16.6		BRL				30
Aroclor-1248	< 11.6	U	µg/kg dry	11.6		BRL				30

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1423784 - SW846 3540C										
Duplicate (1423784-DUP1)										
Source: SB97664-20										
Prepared: 08-Oct-14 Analyzed: 10-Oct-14										
Aroclor-1248 [2C]	< 11.7	U	µg/kg dry	11.7		BRL				30
Aroclor-1254	25.5		µg/kg dry	13.4		27.9			9	30
Aroclor-1254 [2C]	26.6		µg/kg dry	12.7		25.8			3	30
Aroclor-1260	< 15.2	U	µg/kg dry	15.2		BRL				30
Aroclor-1260 [2C]	< 20.2	U	µg/kg dry	20.2		BRL				30
Aroclor-1262	< 11.5	U	µg/kg dry	11.5		BRL				30
Aroclor-1262 [2C]	< 10.6	U	µg/kg dry	10.6		BRL				30
Aroclor-1268	< 20.9	U	µg/kg dry	20.9		BRL				30
Aroclor-1268 [2C]	< 20.4	U	µg/kg dry	20.4		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	25.5		µg/kg dry		21.3		120	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	21.3		µg/kg dry		21.3		100	30-150		
Surrogate: Decachlorobiphenyl (Sr)	27.7		µg/kg dry		21.3		130	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	18.1		µg/kg dry		21.3		85	30-150		
Matrix Spike (1423784-MS1)										
Source: SB97664-20										
Prepared: 08-Oct-14 Analyzed: 10-Oct-14										
Aroclor-1016	245		µg/kg dry	20.0	267	BRL	92	40-140		
Aroclor-1016 [2C]	247		µg/kg dry	13.9	267	BRL	92	40-140		
Aroclor-1260	242		µg/kg dry	15.3	267	BRL	90	40-140		
Aroclor-1260 [2C]	223		µg/kg dry	20.3	267	BRL	84	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	20.3		µg/kg dry		21.4		95	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	20.3		µg/kg dry		21.4		95	30-150		
Surrogate: Decachlorobiphenyl (Sr)	24.6		µg/kg dry		21.4		115	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	18.2		µg/kg dry		21.4		85	30-150		
Matrix Spike Dup (1423784-MSD1)										
Source: SB97664-20										
Prepared: 08-Oct-14 Analyzed: 10-Oct-14										
Aroclor-1016	253		µg/kg dry	19.8	265	BRL	96	40-140	4	30
Aroclor-1016 [2C]	246		µg/kg dry	13.7	265	BRL	93	40-140	0.4	30
Aroclor-1260	242		µg/kg dry	15.2	265	BRL	91	40-140	0.9	30
Aroclor-1260 [2C]	226		µg/kg dry	20.1	265	BRL	85	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	20.1		µg/kg dry		21.2		95	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	21.2		µg/kg dry		21.2		100	30-150		
Surrogate: Decachlorobiphenyl (Sr)	23.3		µg/kg dry		21.2		110	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	19.1		µg/kg dry		21.2		90	30-150		
Batch 1423786 - SW846 3540C										
Blank (1423786-BLK1)										
Prepared: 08-Oct-14 Analyzed: 09-Oct-14										
Aroclor-1016	< 18.3	U	µg/kg wet	18.3						
Aroclor-1016 [2C]	< 12.7	U	µg/kg wet	12.7						
Aroclor-1221	< 16.7	U	µg/kg wet	16.7						
Aroclor-1221 [2C]	< 14.4	U	µg/kg wet	14.4						
Aroclor-1232	< 17.6	U	µg/kg wet	17.6						
Aroclor-1232 [2C]	< 15.1	U	µg/kg wet	15.1						
Aroclor-1242	< 8.71	U	µg/kg wet	8.71						
Aroclor-1242 [2C]	< 15.3	U	µg/kg wet	15.3						
Aroclor-1248	< 10.6	U	µg/kg wet	10.6						
Aroclor-1248 [2C]	< 10.7	U	µg/kg wet	10.7						
Aroclor-1254	< 12.4	U	µg/kg wet	12.4						
Aroclor-1254 [2C]	< 11.7	U	µg/kg wet	11.7						
Aroclor-1260	< 14.0	U	µg/kg wet	14.0						
Aroclor-1260 [2C]	< 18.6	U	µg/kg wet	18.6						
Aroclor-1262	< 10.6	U	µg/kg wet	10.6						
Aroclor-1262 [2C]	< 9.79	U	µg/kg wet	9.79						
Aroclor-1268	< 19.3	U	µg/kg wet	19.3						

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1423786 - SW846 3540C										
Blank (1423786-BLK1)					Prepared: 08-Oct-14 Analyzed: 09-Oct-14					
Aroclor-1268 [2C]	< 18.8	U	µg/kg wet	18.8						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	16.6		µg/kg wet		19.6		85	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	17.6		µg/kg wet		19.6		90	30-150		
Surrogate: Decachlorobiphenyl (Sr)	19.6		µg/kg wet		19.6		100	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	14.7		µg/kg wet		19.6		75	30-150		
LCS (1423786-BS1)					Prepared: 08-Oct-14 Analyzed: 09-Oct-14					
Aroclor-1016	221		µg/kg wet	18.3	245		90	40-140		
Aroclor-1016 [2C]	206		µg/kg wet	12.7	245		84	40-140		
Aroclor-1260	198		µg/kg wet	14.0	245		81	40-140		
Aroclor-1260 [2C]	196		µg/kg wet	18.6	245		80	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	17.7		µg/kg wet		19.6		90	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	18.7		µg/kg wet		19.6		95	30-150		
Surrogate: Decachlorobiphenyl (Sr)	20.6		µg/kg wet		19.6		105	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	15.7		µg/kg wet		19.6		80	30-150		
LCS Dup (1423786-BSD1)					Prepared: 08-Oct-14 Analyzed: 09-Oct-14					
Aroclor-1016	221		µg/kg wet	18.5	248		89	40-140	0.9	30
Aroclor-1016 [2C]	208		µg/kg wet	12.9	248		84	40-140	0.000009	30
Aroclor-1260	201		µg/kg wet	14.2	248		81	40-140	0.5	30
Aroclor-1260 [2C]	208		µg/kg wet	18.8	248		84	40-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	17.8		µg/kg wet		19.8		90	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	18.8		µg/kg wet		19.8		95	30-150		
Surrogate: Decachlorobiphenyl (Sr)	19.8		µg/kg wet		19.8		100	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	16.9		µg/kg wet		19.8		85	30-150		

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General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1423766 - General Preparation										
<u>Duplicate (1423766-DUP1)</u>				<u>Source: SB97664-10</u>		<u>Prepared & Analyzed: 08-Oct-14</u>				
% Solids	81.8		%			81.4			0.4	5
<u>Duplicate (1423766-DUP2)</u>				<u>Source: SB97664-11</u>		<u>Prepared & Analyzed: 08-Oct-14</u>				
% Solids	78.9		%			78.8			0.08	5
Batch 1423767 - General Preparation										
<u>Duplicate (1423767-DUP1)</u>				<u>Source: SB97664-30</u>		<u>Prepared & Analyzed: 08-Oct-14</u>				
% Solids	85.7		%			85.7			0.02	5

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
P	Difference between the two GC columns is greater than 40%.
R01	The Reporting Limit has been raised to account for matrix interference.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 3

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 3 DAY
All TATs subject to laboratory approval.
Min. 24-hour notification needed for rushes.
Samples disposed of after 60 days unless otherwise instructed.

Report To: Rich McKenna

AECC

6308 Fly Road

East Syracuse, NY 13057

Telephone #: (315) 432-9400

Project Mgr.

Invoice To: Acct's Payable

Project No.: 14-091

Site Name: Woodbine Business Park

Location: Canada Dr, DeWitt State: NY

Sampler(s): Drew Brantner

P.O. No.: 14-091 RQN:

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= 12=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

Containers:

Analyses:

MA DEP MCP CAM Report: Yes ☐ No ☐

CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level

- ☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses
97664-21	SS-52	10/7/14	1110	G	SO		1			8082 PCBs
02	SS-55		1120							
03	SS-53		1126							
04	SS-50		1134							
05	SS-49		1153							
06	SS-48		1207							
07	SS-44		1219							
08	SS-41		1233							
09	SS-42		1239							
10	SS-45		1247							

Relinquished by: [Signature] Received by: [Signature] Date: 10/7/14 Time: 1045 Temp °C: 51.0

Condition upon receipt: ☒ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

☒ EDD Format PDF, Excel

☒ E-mail to rmckenna@aeccgroup.com



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 3

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 DAY
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Rich McKenna
AECC
6308 Fly Road
East Syracuse, NY 13057
Telephone #: (315) 432-9400
Project Mgr. _____

Invoice To: Acct's Payable

P.O. No.: 14-091 RQN: _____

Project No.: 14-091
Site Name: Woodbine Business Park
Location: Canada, Drive, DeWitt State: NY
Sampler(s): Drew Brantner

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

Containers:

Analyses:

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level

- ☒ Standard ☐ No QC ☐ DQA*
- ☐ NY ASP A* ☐ NY ASP B*
- ☐ NJ Reduced* ☐ NJ Full*
- ☐ TIER II* ☐ TIER IV*
- ☐ Other _____

State-specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082 PCBs
97664-11	SS-39	10/7/14	1300	G	SO		1			X
12	SS-46		1309							
13	SS-51		1316							
14	SS-54		1323							
15	SS-47		1331							
16	SS-43		1338							
17	SS-40		1350							
18	SS-38		1359							
19	SS-37		1404							
20	SS-57		1420							

3.1/10 B.1 IR 01
10/7/14 OK

57057 IR 3

Relinquished by:

Received by:

Date:

Time:

Temp °C

☒ EDD Format PDF, Excel
☒ E-mail to rmckenna@aeccgroup.com

Condition upon receipt:

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SB97664 By



CHAIN OF CUSTODY RECORD

Page 3 of 3

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 3 Day

All TATs subject to laboratory approval
 Min. 24-hr notification needed for rushes
 Samples disposed after 60 days unless otherwise instructed.

Report To: Rich McKenna
AECC
6308 Fly Road
East Syracuse, NY 13057
 Telephone #: (315) 432-9400
 Project Mgr: _____

Invoice To: Acct's Payable

 P.O No.: 14-091 Quote/RQN: _____

Project No: 14-091
 Site Name: Woodbine Business Park
 Location: Canada Dr, DeWitt State: NY
 Sampler(s): Drew Brantner

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
 O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
 X1= _____ X2= _____ X3= _____

Containers

Analysis

- MA DEP MCP CAM Report? ☐ Yes ☐ No
 CT DPH RCP Report? ☐ Yes ☐ No
☒ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
 State-specific reporting standards: _____

G= Grab

C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Check it chlorinated
97664-21	SS-58	10/7/14	1426	G	SD	1				X
22	SS-56		1432							
23	SS-60		1443							
24	SS-59		1450							
25	SS-61		1505							
26	SS-62		1512							
27	SS-66		1516							
28	SS-65		1521							
29	SS-63		1525							
30	SS-64		1529							

3.110 B-1 IR
 10/7/14 VIL

570 B-1 IR

Relinquished by:

Received by:

Date:

Time:

Temp °C

☒ EDD format:

☒ E-mail to:

Condition upon receipt:

Custody Seals:

☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced

☐ Refrigerated

☐ DJ VOA Frozen

☐ Soil Jar Frozen

Report Date:
14-Oct-14 12:35



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

AECC Environmental Consulting
6308 Fly Road
East Syracuse, NY 13057
Attn: Rich McKenna

Project: WBP - Dewitt, NY
Project #: 14-091

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SB97668-01	Road 1	Soil	07-Oct-14 10:40	07-Oct-14 21:00
SB97668-02	Road 2	Soil	07-Oct-14 10:46	07-Oct-14 21:00
SB97668-03	Road 3	Soil	07-Oct-14 10:52	07-Oct-14 21:00
SB97668-04	Road 4	Soil	07-Oct-14 10:58	07-Oct-14 21:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 11 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, NJ-MA012, PA-68-04426 and FL-E87936).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

Data has been reported to the MDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

The samples were received 5.7 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Acceptance Check Form

Client: AECC Environmental Consulting
Project: WBP - Dewitt, NY / 14-091
Work Order: SB97668
Sample(s) received on: 10/7/2014

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
1. Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Were custody seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Were samples received at a temperature of $\leq 6^{\circ}\text{C}$?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Were samples cooled on ice upon transfer to laboratory representative?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Were samples refrigerated upon transfer to laboratory representative?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Were sample containers received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Were samples accompanied by a Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Did sample container labels agree with Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Were samples received within method-specific holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Identification

Road 1

SB97668-01

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 10:40

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 19.3	U	µg/kg dry	20.7	19.3	1	SW846 8082A	08-Oct-14	09-Oct-14	IMR	1423786	X
11104-28-2	Aroclor-1221	< 17.6	U	µg/kg dry	20.7	17.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 18.6	U	µg/kg dry	20.7	18.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 9.20	U	µg/kg dry	20.7	9.20	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	164		µg/kg dry	20.7	11.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	217		µg/kg dry	20.7	12.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	30.0		µg/kg dry	20.7	14.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 11.2	U	µg/kg dry	20.7	11.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.3	U	µg/kg dry	20.7	20.3	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	80			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	92.8			%			1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423767	
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Sample Identification

Road 2

SB97668-02

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 10:46

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 20.5	U	µg/kg dry	22.0	20.5	1	SW846 8082A	08-Oct-14	09-Oct-14	IMR	1423786	X
11104-28-2	Aroclor-1221	< 18.7	U	µg/kg dry	22.0	18.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.7	U	µg/kg dry	22.0	19.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 9.77	U	µg/kg dry	22.0	9.77	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 11.9	U	µg/kg dry	22.0	11.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	29.7		µg/kg dry	22.0	13.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	< 20.8	U	µg/kg dry	22.0	20.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 11.9	U	µg/kg dry	22.0	11.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.6	U	µg/kg dry	22.0	21.6	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	89.8	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423767	
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Sample Identification

Road 3

SB97668-03

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 10:52

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 20.9	U	µg/kg dry	22.4	20.9	1	SW846 8082A	08-Oct-14	09-Oct-14	IMR	1423786	X
11104-28-2	Aroclor-1221	< 19.0	U	µg/kg dry	22.4	19.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.1	U	µg/kg dry	22.4	20.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 9.94	U	µg/kg dry	22.4	9.94	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	53.7		µg/kg dry	22.4	12.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	99.5		µg/kg dry	22.4	13.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	< 21.2	U	µg/kg dry	22.4	21.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 12.1	U	µg/kg dry	22.4	12.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.0	U	µg/kg dry	22.4	22.0	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	80			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	70			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	87.7	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423767	
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Sample Identification

Road 4

SB97668-04

Client Project #

14-091

Matrix

Soil

Collection Date/Time

07-Oct-14 10:58

Received

07-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 21.5	U	µg/kg dry	23.1	21.5	1	SW846 8082A	08-Oct-14	10-Oct-14	IMR	1423786	X
11104-28-2	Aroclor-1221	< 19.6	U	µg/kg dry	23.1	19.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.7	U	µg/kg dry	23.1	20.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.2	U	µg/kg dry	23.1	10.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 12.5	U	µg/kg dry	23.1	12.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	38.0		µg/kg dry	23.1	14.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16.5	U	µg/kg dry	23.1	16.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 12.5	U	µg/kg dry	23.1	12.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.7	U	µg/kg dry	23.1	22.7	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	85			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	84.8	%					1	SM2540 G Mod.	08-Oct-14	08-Oct-14	DT	1423767	
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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1423786 - SW846 3540C										
Blank (1423786-BLK1)					Prepared: 08-Oct-14 Analyzed: 09-Oct-14					
Aroclor-1016	< 18.3	U	µg/kg wet	18.3						
Aroclor-1016 [2C]	< 12.7	U	µg/kg wet	12.7						
Aroclor-1221	< 16.7	U	µg/kg wet	16.7						
Aroclor-1221 [2C]	< 14.4	U	µg/kg wet	14.4						
Aroclor-1232	< 17.6	U	µg/kg wet	17.6						
Aroclor-1232 [2C]	< 15.1	U	µg/kg wet	15.1						
Aroclor-1242	< 8.71	U	µg/kg wet	8.71						
Aroclor-1242 [2C]	< 15.3	U	µg/kg wet	15.3						
Aroclor-1248	< 10.6	U	µg/kg wet	10.6						
Aroclor-1248 [2C]	< 10.7	U	µg/kg wet	10.7						
Aroclor-1254	< 12.4	U	µg/kg wet	12.4						
Aroclor-1254 [2C]	< 11.7	U	µg/kg wet	11.7						
Aroclor-1260	< 14.0	U	µg/kg wet	14.0						
Aroclor-1260 [2C]	< 18.6	U	µg/kg wet	18.6						
Aroclor-1262	< 10.6	U	µg/kg wet	10.6						
Aroclor-1262 [2C]	< 9.79	U	µg/kg wet	9.79						
Aroclor-1268	< 19.3	U	µg/kg wet	19.3						
Aroclor-1268 [2C]	< 18.8	U	µg/kg wet	18.8						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	16.6		µg/kg wet		19.6		85	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	17.6		µg/kg wet		19.6		90	30-150		
Surrogate: Decachlorobiphenyl (Sr)	19.6		µg/kg wet		19.6		100	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	14.7		µg/kg wet		19.6		75	30-150		
LCS (1423786-BS1)					Prepared: 08-Oct-14 Analyzed: 09-Oct-14					
Aroclor-1016	221		µg/kg wet	18.3	245		90	40-140		
Aroclor-1016 [2C]	206		µg/kg wet	12.7	245		84	40-140		
Aroclor-1260	198		µg/kg wet	14.0	245		81	40-140		
Aroclor-1260 [2C]	196		µg/kg wet	18.6	245		80	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	17.7		µg/kg wet		19.6		90	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	18.7		µg/kg wet		19.6		95	30-150		
Surrogate: Decachlorobiphenyl (Sr)	20.6		µg/kg wet		19.6		105	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	15.7		µg/kg wet		19.6		80	30-150		
LCS Dup (1423786-BSD1)					Prepared: 08-Oct-14 Analyzed: 09-Oct-14					
Aroclor-1016	221		µg/kg wet	18.5	248		89	40-140	0.9	30
Aroclor-1016 [2C]	208		µg/kg wet	12.9	248		84	40-140	0.000009	30
Aroclor-1260	201		µg/kg wet	14.2	248		81	40-140	0.5	30
Aroclor-1260 [2C]	208		µg/kg wet	18.8	248		84	40-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	17.8		µg/kg wet		19.8		90	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	18.8		µg/kg wet		19.8		95	30-150		
Surrogate: Decachlorobiphenyl (Sr)	19.8		µg/kg wet		19.8		100	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	16.9		µg/kg wet		19.8		85	30-150		
Duplicate (1423786-DUP1)					Source: SB97668-04 Prepared: 08-Oct-14 Analyzed: 09-Oct-14					
Aroclor-1016	< 21.9	U	µg/kg dry	21.9		BRL				30
Aroclor-1016 [2C]	< 15.2	U	µg/kg dry	15.2		BRL				30
Aroclor-1221	< 20.0	U	µg/kg dry	20.0		BRL				30
Aroclor-1221 [2C]	< 17.2	U	µg/kg dry	17.2		BRL				30
Aroclor-1232	< 21.1	U	µg/kg dry	21.1		BRL				30
Aroclor-1232 [2C]	< 18.1	U	µg/kg dry	18.1		BRL				30
Aroclor-1242	< 10.4	U	µg/kg dry	10.4		BRL				30
Aroclor-1242 [2C]	< 18.3	U	µg/kg dry	18.3		BRL				30
Aroclor-1248	< 12.8	U	µg/kg dry	12.8		BRL				30

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1423786 - SW846 3540C										
<u>Duplicate (1423786-DUP1)</u>				<u>Source: SB97668-04</u>				<u>Prepared: 08-Oct-14 Analyzed: 09-Oct-14</u>		
Aroclor-1248 [2C]	< 12.9	U	µg/kg dry	12.9		BRL				30
Aroclor-1254	38.7		µg/kg dry	14.8		38.0			2	30
Aroclor-1254 [2C]	38.7		µg/kg dry	14.0		39.2			1	30
Aroclor-1260	< 16.8	U	µg/kg dry	16.8		BRL				30
Aroclor-1260 [2C]	< 22.2	U	µg/kg dry	22.2		BRL				30
Aroclor-1262	< 12.7	U	µg/kg dry	12.7		BRL				30
Aroclor-1262 [2C]	< 11.7	U	µg/kg dry	11.7		BRL				30
Aroclor-1268	< 23.1	U	µg/kg dry	23.1		BRL				30
Aroclor-1268 [2C]	< 22.5	U	µg/kg dry	22.5		BRL				30
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	22.3		µg/kg dry		23.5		95	30-150		
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]</i>	21.1		µg/kg dry		23.5		90	30-150		
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	25.8		µg/kg dry		23.5		110	30-150		
<i>Surrogate: Decachlorobiphenyl (Sr) [2C]</i>	18.8		µg/kg dry		23.5		80	30-150		
<u>Matrix Spike (1423786-MS1)</u>				<u>Source: SB97668-04</u>				<u>Prepared: 08-Oct-14 Analyzed: 09-Oct-14</u>		
Aroclor-1016	246		µg/kg dry	21.8	292	BRL	84	40-140		
Aroclor-1016 [2C]	244		µg/kg dry	15.1	292	BRL	84	40-140		
Aroclor-1260	253		µg/kg dry	16.7	292	BRL	87	40-140		
Aroclor-1260 [2C]	232		µg/kg dry	22.1	292	BRL	80	40-140		
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	21.0		µg/kg dry		23.3		90	30-150		
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]</i>	21.0		µg/kg dry		23.3		90	30-150		
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	24.5		µg/kg dry		23.3		105	30-150		
<i>Surrogate: Decachlorobiphenyl (Sr) [2C]</i>	19.8		µg/kg dry		23.3		85	30-150		
<u>Matrix Spike Dup (1423786-MSD1)</u>				<u>Source: SB97668-04</u>				<u>Prepared: 08-Oct-14 Analyzed: 09-Oct-14</u>		
Aroclor-1016	257		µg/kg dry	21.3	285	BRL	90	40-140	7	30
Aroclor-1016 [2C]	241		µg/kg dry	14.8	285	BRL	85	40-140	1	30
Aroclor-1260	252		µg/kg dry	16.3	285	BRL	88	40-140	2	30
Aroclor-1260 [2C]	236		µg/kg dry	21.6	285	BRL	83	40-140	4	30
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	13.7		µg/kg dry		22.8		60	30-150		
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]</i>	13.7		µg/kg dry		22.8		60	30-150		
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	14.8		µg/kg dry		22.8		65	30-150		
<i>Surrogate: Decachlorobiphenyl (Sr) [2C]</i>	12.5		µg/kg dry		22.8		55	30-150		

This laboratory report is not valid without an authorized signature on the cover page.

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1423767 - General Preparation										
Duplicate (1423767-DUP2)				Source: SB97668-01		Prepared & Analyzed: 08-Oct-14				
% Solids	92.4		%			92.8			0.4	5

Notes and Definitions

J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor

SB97668 By



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 3 DAY
All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Rich McKenna
AECC
6308 Fly Road
East Syracuse, NY 13057
Telephone #: (315) 432-9400
Project Mgr: _____

Invoice To: Acct's Payable

P.O. No.: 14-091 Quote/RQN: _____

Project No: 14-091
Site Name: Woodlane Business Park
Location: Canada Dr, Dewitt State: NY
Sampler(s): Drew Brantner

F=Field Filtered 1=Na₂S₂O₄ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

QA/QC Reporting Notes:

* additional charges may apply

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

Containers

Analysis

G= Grab		C=Composite		Type	Matrix	Containers				Analysis									
Lab ID:	Sample ID:	Date:	Time:			# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic										
9766801	Road 1	10/7/14	1040	G	SO		1			X									
02	Road 2	10/7/14	1046	G	SO		1			X									
03	Road 3	10/7/14	1052	G	SO		1			X									
04	Road 4	10/7/14	1058	G	SO		1			X									

8082 PCBs

1/1/IR

Check if chlorinated

- MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☒ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards: _____

57057IR3

Relinquished by:

Received by:

Date:

Time:

Temp °C

☒ EDD format:

PDF, Excel

☒ E-mail to:

rmckenna@aeccgroup.com

Observed

Corection Factor

Corrected

IR ID #

Condition upon receipt:

Custody Seals:

☐ Present

☐ Intact

☐ Broken

☐ Ambient

☒ Iced

☐ Refrigerated

☐ DI VOA Frozen

☐ Soil Jar Frozen

Report Date:
15-Oct-14 15:41



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

AECC Environmental Consulting
6308 Fly Road
East Syracuse, NY 13057
Attn: Rich McKenna

Project: WBP - Dewitt, NY
Project #: 14-091

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SB97867-01	SS-30A	Soil	09-Oct-14 12:07	09-Oct-14 21:00
SB97867-02	SS-30B	Soil	09-Oct-14 12:12	09-Oct-14 21:00
SB97867-03	SS-30C	Soil	09-Oct-14 12:17	09-Oct-14 21:00
SB97867-04	SS-30D	Soil	09-Oct-14 12:22	09-Oct-14 21:00
SB97867-05	SS-11A	Soil	09-Oct-14 12:34	09-Oct-14 21:00
SB97867-06	SS-11B	Soil	09-Oct-14 12:39	09-Oct-14 21:00
SB97867-07	SS-11C	Soil	09-Oct-14 12:44	09-Oct-14 21:00
SB97867-08	SS-11D	Soil	09-Oct-14 12:48	09-Oct-14 21:00
SB97867-09	SS-02A	Soil	09-Oct-14 12:56	09-Oct-14 21:00
SB97867-10	SS-02B	Soil	09-Oct-14 13:01	09-Oct-14 21:00
SB97867-11	SS-02C	Soil	09-Oct-14 13:06	09-Oct-14 21:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 16 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, NJ-MA012, PA-68-04426 and FL-E87936).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

Data has been reported to the MDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

The samples were received 5.6 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Acceptance Check Form

Client: AECC Environmental Consulting
Project: WBP - Dewitt, NY / 14-091
Work Order: SB97867
Sample(s) received on: 10/9/2014

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
1. Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Were custody seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Were samples received at a temperature of $\leq 6^{\circ}\text{C}$?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Were samples cooled on ice upon transfer to laboratory representative?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Were samples refrigerated upon transfer to laboratory representative?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Were sample containers received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Were samples accompanied by a Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Did sample container labels agree with Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Were samples received within method-specific holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Identification

SS-30A

SB97867-01

Client Project #

14-091

Matrix

Soil

Collection Date/Time

09-Oct-14 12:07

Received

09-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 26.4	U	µg/kg dry	28.2	26.4	1	SW846 8082A	10-Oct-14	11-Oct-14	IMR	1424044	X
11104-28-2	Aroclor-1221	< 24.0	U	µg/kg dry	28.2	24.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.4	U	µg/kg dry	28.2	25.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.5	U	µg/kg dry	28.2	12.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 15.3	U	µg/kg dry	28.2	15.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	< 16.8	U	µg/kg dry	28.2	16.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.2	U	µg/kg dry	28.2	20.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 15.3	U	µg/kg dry	28.2	15.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 27.7	U	µg/kg dry	28.2	27.7	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	80			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	85			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	65			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	70.0	%					1	SM2540 G Mod.	10-Oct-14	10-Oct-14	DT	1424046	
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This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

SS-30B

SB97867-02

Client Project #

14-091

Matrix

Soil

Collection Date/Time

09-Oct-14 12:12

Received

09-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 24.4	U	µg/kg dry	26.1	24.4	1	SW846 8082A	10-Oct-14	11-Oct-14	IMR	1424044	X
11104-28-2	Aroclor-1221	< 22.2	U	µg/kg dry	26.1	22.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.4	U	µg/kg dry	26.1	23.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 11.6	U	µg/kg dry	26.1	11.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.2	U	µg/kg dry	26.1	14.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	18.3	J	µg/kg dry	26.1	15.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 18.7	U	µg/kg dry	26.1	18.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.1	U	µg/kg dry	26.1	14.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.6	U	µg/kg dry	26.1	25.6	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	70			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	75			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	60			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	65			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	74.9	%					1	SM2540 G Mod.	10-Oct-14	10-Oct-14	DT	1424046	
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Sample Identification

SS-30C

SB97867-03

Client Project #

14-091

Matrix

Soil

Collection Date/Time

09-Oct-14 12:17

Received

09-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 27.6	U	µg/kg dry	29.5	27.6	1	SW846 8082A	10-Oct-14	11-Oct-14	IMR	1424044	X
11104-28-2	Aroclor-1221	< 25.1	U	µg/kg dry	29.5	25.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 26.5	U	µg/kg dry	29.5	26.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 13.1	U	µg/kg dry	29.5	13.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 16.1	U	µg/kg dry	29.5	16.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 18.6	U	µg/kg dry	29.5	18.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.1	U	µg/kg dry	29.5	21.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 16.0	U	µg/kg dry	29.5	16.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 29.0	U	µg/kg dry	29.5	29.0	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	75			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	75			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	65.7	%					1	SM2540 G Mod.	10-Oct-14	10-Oct-14	DT	1424046	
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This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

SS-30D

SB97867-04

Client Project #

14-091

Matrix

Soil

Collection Date/Time

09-Oct-14 12:22

Received

09-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 21.9	U	µg/kg dry	23.4	21.9	1	SW846 8082A	10-Oct-14	11-Oct-14	IMR	1424044	X
11104-28-2	Aroclor-1221	< 19.9	U	µg/kg dry	23.4	19.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.0	U	µg/kg dry	23.4	21.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.4	U	µg/kg dry	23.4	10.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 12.7	U	µg/kg dry	23.4	12.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	17.5	J	µg/kg dry	23.4	14.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16.7	U	µg/kg dry	23.4	16.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 12.7	U	µg/kg dry	23.4	12.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.0	U	µg/kg dry	23.4	23.0	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	80			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	70			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	75			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	85.4	%					1	SM2540 G Mod.	10-Oct-14	10-Oct-14	DT	1424046	
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Sample Identification

SS-11A

SB97867-05

Client Project #

14-091

Matrix

Soil

Collection Date/Time

09-Oct-14 12:34

Received

09-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 25.6	U	µg/kg dry	27.4	25.6	1	SW846 8082A	10-Oct-14	11-Oct-14	IMR	1424044	X
11104-28-2	Aroclor-1221	< 23.4	U	µg/kg dry	27.4	23.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.7	U	µg/kg dry	27.4	24.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.2	U	µg/kg dry	27.4	12.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.9	U	µg/kg dry	27.4	14.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 17.3	U	µg/kg dry	27.4	17.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 19.6	U	µg/kg dry	27.4	19.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.9	U	µg/kg dry	27.4	14.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 27.0	U	µg/kg dry	27.4	27.0	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	75			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	80			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	71.2	%					1	SM2540 G Mod.	10-Oct-14	10-Oct-14	DT	1424046	
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Sample Identification

SS-11B

SB97867-06

Client Project #

14-091

Matrix

Soil

Collection Date/Time

09-Oct-14 12:39

Received

09-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 24.2	U	µg/kg dry	25.9	24.2	1	SW846 8082A	10-Oct-14	11-Oct-14	IMR	1424044	X
11104-28-2	Aroclor-1221	< 22.1	U	µg/kg dry	25.9	22.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.3	U	µg/kg dry	25.9	23.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 11.5	U	µg/kg dry	25.9	11.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.1	U	µg/kg dry	25.9	14.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 16.4	U	µg/kg dry	25.9	16.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 18.5	U	µg/kg dry	25.9	18.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.0	U	µg/kg dry	25.9	14.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.5	U	µg/kg dry	25.9	25.5	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	70			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	75			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	65			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	65			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	76.2	%					1	SM2540 G Mod.	10-Oct-14	10-Oct-14	DT	1424046	
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Sample Identification

SS-11C

SB97867-07

Client Project #

14-091

Matrix

Soil

Collection Date/Time

09-Oct-14 12:44

Received

09-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 25.4	U	µg/kg dry	27.2	25.4	1	SW846 8082A	10-Oct-14	11-Oct-14	IMR	1424044	X
11104-28-2	Aroclor-1221	< 23.1	U	µg/kg dry	27.2	23.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.4	U	µg/kg dry	27.2	24.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.1	U	µg/kg dry	27.2	12.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.8	U	µg/kg dry	27.2	14.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 17.2	U	µg/kg dry	27.2	17.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 19.5	U	µg/kg dry	27.2	19.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.7	U	µg/kg dry	27.2	14.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 26.7	U	µg/kg dry	27.2	26.7	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	80			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	85			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	70			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	70			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	72.0	%					1	SM2540 G Mod.	10-Oct-14	10-Oct-14	DT	1424046	
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Sample Identification

SS-11D

SB97867-08

Client Project #

14-091

Matrix

Soil

Collection Date/Time

09-Oct-14 12:48

Received

09-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 25.4	U	µg/kg dry	27.2	25.4	1	SW846 8082A	10-Oct-14	11-Oct-14	IMR	1424044	X
11104-28-2	Aroclor-1221	< 23.1	U	µg/kg dry	27.2	23.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.4	U	µg/kg dry	27.2	24.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.1	U	µg/kg dry	27.2	12.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.8	U	µg/kg dry	27.2	14.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 17.2	U	µg/kg dry	27.2	17.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 19.5	U	µg/kg dry	27.2	19.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.7	U	µg/kg dry	27.2	14.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 26.7	U	µg/kg dry	27.2	26.7	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	80			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	85			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	75			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	75			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	72.7	%					1	SM2540 G Mod.	10-Oct-14	10-Oct-14	DT	1424046	
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Sample Identification

SS-02A

SB97867-09

Client Project #

14-091

Matrix

Soil

Collection Date/Time

09-Oct-14 12:56

Received

09-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 21.3	U	µg/kg dry	22.8	21.3	1	SW846 8082A	10-Oct-14	11-Oct-14	IMR	1424044	X
11104-28-2	Aroclor-1221	< 19.4	U	µg/kg dry	22.8	19.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.5	U	µg/kg dry	22.8	20.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.1	U	µg/kg dry	22.8	10.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	24.0		µg/kg dry	22.8	12.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	54.8		µg/kg dry	22.8	13.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16.3	U	µg/kg dry	22.8	16.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 12.4	U	µg/kg dry	22.8	12.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.4	U	µg/kg dry	22.8	22.4	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	85.0			%			1	SM2540 G Mod.	10-Oct-14	10-Oct-14	DT	1424046	
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Sample Identification

SS-02B

SB97867-10

Client Project #

14-091

Matrix

Soil

Collection Date/Time

09-Oct-14 13:01

Received

09-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 24.7	U	µg/kg dry	26.4	24.7	1	SW846 8082A	10-Oct-14	11-Oct-14	IMR	1424044	X
11104-28-2	Aroclor-1221	< 22.5	U	µg/kg dry	26.4	22.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.7	U	µg/kg dry	26.4	23.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 11.7	U	µg/kg dry	26.4	11.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	1,200		µg/kg dry	26.4	14.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	1,100		µg/kg dry	26.4	15.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	87.1		µg/kg dry	26.4	25.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.3	U	µg/kg dry	26.4	14.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 26.0	U	µg/kg dry	26.4	26.0	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	80			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	75.1	%					1	SM2540 G Mod.	10-Oct-14	10-Oct-14	DT	1424046	
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Sample Identification

SS-02C

SB97867-11

Client Project #

14-091

Matrix

Soil

Collection Date/Time

09-Oct-14 13:06

Received

09-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 24.8	U	µg/kg dry	26.5	24.8	1	SW846 8082A	10-Oct-14	11-Oct-14	IMR	1424044	X
11104-28-2	Aroclor-1221	< 22.6	U	µg/kg dry	26.5	22.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.8	U	µg/kg dry	26.5	23.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 11.8	U	µg/kg dry	26.5	11.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.4	U	µg/kg dry	26.5	14.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 16.7	U	µg/kg dry	26.5	16.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 19.0	U	µg/kg dry	26.5	19.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.4	U	µg/kg dry	26.5	14.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 26.1	U	µg/kg dry	26.5	26.1	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	80			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	73.3	%					1	SM2540 G Mod.	10-Oct-14	10-Oct-14	DT	1424046	
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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1424044 - SW846 3540C										
Blank (1424044-BLK1)					Prepared: 10-Oct-14 Analyzed: 11-Oct-14					
Aroclor-1016	< 18.5	U	µg/kg wet	18.5						
Aroclor-1016 [2C]	< 12.8	U	µg/kg wet	12.8						
Aroclor-1221	< 16.8	U	µg/kg wet	16.8						
Aroclor-1221 [2C]	< 14.5	U	µg/kg wet	14.5						
Aroclor-1232	< 17.8	U	µg/kg wet	17.8						
Aroclor-1232 [2C]	< 15.3	U	µg/kg wet	15.3						
Aroclor-1242	< 8.80	U	µg/kg wet	8.80						
Aroclor-1242 [2C]	< 15.5	U	µg/kg wet	15.5						
Aroclor-1248	< 10.8	U	µg/kg wet	10.8						
Aroclor-1248 [2C]	< 10.8	U	µg/kg wet	10.8						
Aroclor-1254	< 12.5	U	µg/kg wet	12.5						
Aroclor-1254 [2C]	< 11.8	U	µg/kg wet	11.8						
Aroclor-1260	< 14.2	U	µg/kg wet	14.2						
Aroclor-1260 [2C]	< 18.8	U	µg/kg wet	18.8						
Aroclor-1262	< 10.7	U	µg/kg wet	10.7						
Aroclor-1262 [2C]	< 9.90	U	µg/kg wet	9.90						
Aroclor-1268	< 19.5	U	µg/kg wet	19.5						
Aroclor-1268 [2C]	< 19.0	U	µg/kg wet	19.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	17.8		µg/kg wet		19.8		90	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	18.8		µg/kg wet		19.8		95	30-150		
Surrogate: Decachlorobiphenyl (Sr)	13.9		µg/kg wet		19.8		70	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	16.8		µg/kg wet		19.8		85	30-150		
LCS (1424044-BS1)					Prepared: 10-Oct-14 Analyzed: 11-Oct-14					
Aroclor-1016	210		µg/kg wet	17.9	240		88	40-140		
Aroclor-1016 [2C]	208		µg/kg wet	12.4	240		87	40-140		
Aroclor-1260	157		µg/kg wet	13.7	240		66	40-140		
Aroclor-1260 [2C]	169		µg/kg wet	18.2	240		70	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	19.2		µg/kg wet		19.2		100	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	19.2		µg/kg wet		19.2		100	30-150		
Surrogate: Decachlorobiphenyl (Sr)	14.4		µg/kg wet		19.2		75	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	17.3		µg/kg wet		19.2		90	30-150		
LCS Dup (1424044-BSD1)					Prepared: 10-Oct-14 Analyzed: 11-Oct-14					
Aroclor-1016	222		µg/kg wet	18.1	243		92	40-140	4	30
Aroclor-1016 [2C]	210		µg/kg wet	12.6	243		86	40-140	0.5	30
Aroclor-1260	174		µg/kg wet	13.9	243		72	40-140	9	30
Aroclor-1260 [2C]	163		µg/kg wet	18.4	243		67	40-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	19.4		µg/kg wet		19.4		100	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	19.4		µg/kg wet		19.4		100	30-150		
Surrogate: Decachlorobiphenyl (Sr)	16.5		µg/kg wet		19.4		85	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	15.5		µg/kg wet		19.4		80	30-150		

This laboratory report is not valid without an authorized signature on the cover page.

Notes and Definitions

J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Nicole Leja



CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:

☐ Standard TAT - 7 to 10 business days

☒ Rush TAT - Date Needed: 3-Day
All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Rich McKenna
AECC
6308 Fly Road
East Syracuse, NY 13057
Telephone #: (315) 432-9400
Project Mgr: _____

Invoice To: Acct's Payable

P.O. No.: 14-091 Quote/RQN: _____

Project No: 14-091
Site Name: Woodbine Business Park
Location: Canada Dr, DeWitt State: NY
Sampler(s): Drew Brantner

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11=_____ 12=_____

List Preservative Code below:

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

Containers

Analysis

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☒ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards: _____

G= Grab		C=Composite		Type	Matrix	Containers				Analysis				Check if chlorinated
Lab ID:	Sample ID:	Date:	Time:			# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic					
97867-01	SS-30A	10/9/14	1207	6	SO		1			X				<input type="checkbox"/>
-02	SS-30B		1212											<input type="checkbox"/>
-03	SS-30C		1217											<input type="checkbox"/>
-04	SS-30D		1222											<input type="checkbox"/>
-05	SS-11A		1234											<input type="checkbox"/>
-06	SS-11B		1239											<input type="checkbox"/>
-07	SS-11C		1244											<input type="checkbox"/>
-08	SS-11D		1248											<input type="checkbox"/>
-09	SS-02A		1256											<input type="checkbox"/>
-10	SS-02B		1301											<input type="checkbox"/>

54.0 54.1 IR 3

Relinquished by:

Received by:

Date:

Time:

Temp °C

☒ EDD format:

☒ E-mail to:

Condition upon receipt:

Custody Seals:

☐ Present

☐ Intact

☐ Broken

☐ Ambient

☒ Refrigerated

☐ DI VOA Frozen

☐ Soil Jar Frozen

PROJECT CHANGE FORM

		Date	10/20/14
Revision Requested by: LSL	DJP	Client Name	AECC
Client Contact for Revision	Richard McKenna	LSL Project #	1416707
Reason for Revision of Report and/or Invoice:	The client needed a <0.02 mg/kg RDL for this soil sample. Please revise and send out a revised report ASAP.		

REVISED REPORT INFORMATION

Issue Revised Report? ☒ Yes ☐ No

Circle appropriate LSL sections:

SECTION:	Micro	HPLC	Inorganics	Organics	SCD
Done By:				AM	
Date:				10/30/14	

OFFICE	Rpt Printed	QA Approval	Faxed	e-Mailed	Mailed	Copied To
Initials:	MB	SP		MB	MB	
Date:	10/20/14	10/20/14		10/20/14	10/20/14	
Time:	1345	1347		PM		

REVISED INVOICE INFORMATION

Issue new invoice? ☐ Yes ☒ No

Original Report Date: _____

Client Number: _____

Circulate as follows:	Done By	Date
Change approved by:		
SCD (<i>Change price in LIMS</i>):		
Office (<i>Reprint new invoice and place copy of this form in the project file</i>):		
Accounting (<i>Adjust in Accounts Receivable</i>)		
Sent Changes to Benefactor		

NO DEVIATION TO THIS CIRCULATION IS ACCEPTABLE

Note the Sample Number and Test Group to be changed

Old \$

New \$

TOTAL		



Life Science Laboratories, Inc.

Rich McKenna
Asbestos & Environmental Consulting Corp
6308 Fly Road
East Syracuse, NY 13057

Phone: (315) 432-9400
FAX: (315) 432-9405
Authorization: 14-091

Revised Laboratory Analysis Report

Prepared for

Asbestos & Environmental Consulting Corp

LSL Project ID: **1416707**

Receive Date/Time: 10/09/14 16:00

Project Received by: gisl

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc. This report may only be reproduced in its entirety. No partial duplication is allowed. The Chain of Custody and the Sample Receipt documents submitted with these samples are considered by LSL to be an appendix of this report and may contain specific information that pertains to the samples included in this report. The analytical result(s) in this report are only representative of the sample(s) submitted for analysis. LSL makes no claim of a sample's representativeness, or integrity, if sampling was not performed by LSL personnel.

LSL Central Lab
5854 Butternut Drive
East Syracuse, NY 13057
Tel. (315) 445-1900
Fax (315) 445-1104
NYS DOH ELAP #10248
PA DEP #68-2556

LSL North Lab
131 St. Lawrence Avenue
Waddington, NY 13694
Tel. (315) 388-4476
Fax (315) 388-4061
NYS DOH ELAP #10900

LSL Finger Lakes Lab
16 N. Main St., PO Box 424
Wayland, NY 14572
Tel. (585) 728-3320
Fax (585) 728-2711
NYS DOH ELAP #11667

LSL Southern Tier Office
Cuba, NY
Tel. (585) 209-4032

LSL MidLakes Office
Canandaigua, NY
Tel. (585) 728-3320

This report was reviewed by:

Date:

10/20/14

David J. Prichard, Director of Tech. Services

A copy of this report was sent to:

Original Report Date: 10/14/14

Date Printed:

Page 1 of 2

10/20/14

- - REVISED LABORATORY ANALYSIS REPORT - -

Asbestos & Environmental Consulting Corp East Syracuse, NY

Sample ID: SS-02Ad Grab LSL Sample ID: 1416707-001

Location:

Sampled: 10/09/14 12:57 Sampled By: DB

Sample Matrix: SHW as Recd

Analytical Method	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result Units			
(1) EPA 8082A PCBs	EPA 3550C			
Aroclor-1016	<0.02 mg/kg	10/13/14	10/13/14	CRT
Aroclor-1221	<0.02 mg/kg	10/13/14	10/13/14	CRT
Aroclor-1232	<0.02 mg/kg	10/13/14	10/13/14	CRT
Aroclor-1242	<0.02 mg/kg	10/13/14	10/13/14	CRT
Aroclor-1248	<0.02 mg/kg	10/13/14	10/13/14	CRT
Aroclor-1254	0.046 mg/kg	10/13/14	10/13/14	CRT
<i>This target analyte appears to be biologically degraded and/or environmentally weathered.</i>				
Aroclor-1260	<0.02 mg/kg	10/13/14	10/13/14	CRT
Surrogate (DCB)	103 %R	10/13/14	10/13/14	CRT

Analysis performed at: (1) LSL Central Lab, (2) LSL North Lab, (3) LSL Finger Lakes Lab

Original Report Date: 10/14/14

Life Science Laboratories, Inc.

Page 2 of 2
Date Printed: 10/20/14

Life Science Laboratories, Inc
CHAIN OF CUSTODY RECORD

1416707

AECC

6063

LSL Central Lab
5854 Butternut Drive
East Syracuse, NY 13057.
Phone: (315) 445-1900
Fax: (315) 445-1104
Email: lslcentral@sl-inc.com

LSL North Lab
131 St Lawrence Ave
Waddington, NY 13694
Phone: (315) 388-4476
Fax: (315) 388-4081
Email: lsinfo@lsi-inc.com

LSL Finger Lakes Lab
16 North Main Street
Wayland, NY 14572
Phone: (585) 728-3320
Fax: (585) 728-2711
Email: lsfl@isl-inc.com

LSL Southern Tier Lab
24 A West Main Street
Cuba, NY 14727
Phone: (585) 968-2640
Fax: (585) 968-0906
Email: lslst@lsl-inc.com

Fax: (585) 396-0377
Email: islmi@isl-inc.com

[illegible]

*** All areas of this Chain of Custody Record MUST be filled out in order to process samples in a timely manner IN PEN ONLY***

Reg COC rev1

OK To proceed - 14.2e

Life Science Laboratories, Inc.

Sample Receipt Checklist

LSL LIMS

Project ID 1416707

Client ID: AECC

Shipment Number 1

SRC Completed By: gis1

Date: 10/9/2014 4:15:50 PM

COC Date/Time	Received By	Carrier	ShippingID
10/9/2014 4:00:00 PM	gis1	Hand Delivered	
Shipping container/cooler in good condition?	Yes	Sample containers intact?	Yes
Custody seal intact on shipping container/cooler?	N/A	Sufficient sample volume for indicated test?	Yes
Custody seals intact on sample bottles?	N/A	All samples received within holding time?	Yes
Chain of Custody present?	Yes	Container/Temp Blank temperature in compliance?	No
COC signed when relinquished and received?	Yes	Water - VOA vials have zero headspace?	N/A
COC agrees with sample labels?	Yes	Water - pH acceptable upon receipt?	N/A
Samples in proper containers/bottles?	Yes	Water - HNO3 added to unpreserved metal sample(s) to a pH of <2?	N/A

Comments:

Sample was not iced. OK to proceed per client.

Corrective Action:

Reviewed By:

Wmh QS

Printed: Friday, October 10, 2014

Page 1 of 1

Report Date:
04-Nov-14 15:37



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

- ☒ Final Report
- ☐ Re-Issued Report
- ☐ Revised Report

AECC Environmental Consulting
6308 Fly Road
East Syracuse, NY 13057
Attn: Rich McKenna

Project: Woodbine Business Park - Dewitt, NY
Project #: 14-091

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SB98955-01	SS-67	Soil	29-Oct-14 15:01	30-Oct-14 21:00
SB98955-02	SS-69	Soil	29-Oct-14 15:08	30-Oct-14 21:00
SB98955-03	SS-70	Soil	29-Oct-14 15:15	30-Oct-14 21:00
SB98955-04	SS-68	Soil	29-Oct-14 15:21	30-Oct-14 21:00
SB98955-05	SS-71	Soil	29-Oct-14 15:29	30-Oct-14 21:00
SB98955-06	SS-74	Soil	29-Oct-14 15:36	30-Oct-14 21:00
SB98955-07	SS-73	Soil	29-Oct-14 15:43	30-Oct-14 21:00
SB98955-08	SS-72	Soil	29-Oct-14 15:49	30-Oct-14 21:00
SB98955-09	SS-75	Soil	29-Oct-14 16:02	30-Oct-14 21:00
SB98955-10	SS-78	Soil	29-Oct-14 16:11	30-Oct-14 21:00
SB98955-11	SS-77	Soil	29-Oct-14 16:27	30-Oct-14 21:00
SB98955-12	SS-76	Soil	29-Oct-14 16:33	30-Oct-14 21:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

A handwritten signature in black ink that reads "Nicole Leja". The signature is fluid and cursive.

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 19 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, NJ-MA012, PA-68-04426 and FL-E87936).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

Data has been reported to the MDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the detection limit are reported as "<" (less than) the detection limit in this report.

The samples were received 1.9 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A**Samples:**

SB98955-01 SS-67

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sample Acceptance Check Form

Client: AECC Environmental Consulting
Project: Woodbine Business Park - Dewitt, NY / 14-091
Work Order: SB98955
Sample(s) received on: 10/30/2014

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
1. Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Were custody seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Were samples received at a temperature of $\leq 6^{\circ}\text{C}$?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Were samples cooled on ice upon transfer to laboratory representative?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Were samples refrigerated upon transfer to laboratory representative?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Were sample containers received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Were samples accompanied by a Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Did sample container labels agree with Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Were samples received within method-specific holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Identification

SS-67

SB98955-01

Client Project #

14-091

Matrix

Soil

Collection Date/Time

29-Oct-14 15:01

Received

30-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 499	U, D	µg/kg dry	534	499	20	SW846 8082A	31-Oct-14	04-Nov-14	IMR	1425831	X
11104-28-2	Aroclor-1221	< 455	U, D	µg/kg dry	534	455	20	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 480	U, D	µg/kg dry	534	480	20	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 238	U, D	µg/kg dry	534	238	20	"	"	"	"	"	X
12672-29-6	Aroclor-1248	61,300	D	µg/kg dry	534	290	20	"	"	"	"	"	X
11097-69-1	Aroclor-1254	56,400	D	µg/kg dry	534	337	20	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	3,370	D	µg/kg dry	534	507	20	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 290	U, D	µg/kg dry	534	290	20	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 525	U, D	µg/kg dry	534	525	20	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	72.5	%					1	SM2540 G Mod.	31-Oct-14	31-Oct-14	DT	1425851	
----------	------	---	--	--	--	--	---	---------------	-----------	-----------	----	---------	--

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

SS-69

SB98955-02

Client Project #

14-091

Matrix

Soil

Collection Date/Time

29-Oct-14 15:08

Received

30-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
----------------	-------------------	---------------	-------------	--------------	-------------	------------	-----------------	--------------------	-----------------	-----------------	----------------	--------------	--------------

Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 25.9	U	µg/kg dry	27.8	25.9	1	SW846 8082A	31-Oct-14	03-Nov-14	IMR	1425831	X
11104-28-2	Aroclor-1221	< 23.6	U	µg/kg dry	27.8	23.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.9	U	µg/kg dry	27.8	24.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.3	U	µg/kg dry	27.8	12.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 15.1	U	µg/kg dry	27.8	15.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 17.5	U	µg/kg dry	27.8	17.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 19.9	U	µg/kg dry	27.8	19.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 15.0	U	µg/kg dry	27.8	15.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 27.3	U	µg/kg dry	27.8	27.3	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	67.5	%					1	SM2540 G Mod.	31-Oct-14	31-Oct-14	DT	1425851	
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Sample Identification

SS-70

SB98955-03

Client Project #

14-091

Matrix

Soil

Collection Date/Time

29-Oct-14 15:15

Received

30-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 27.2	U	µg/kg dry	29.1	27.2	1	SW846 8082A	31-Oct-14	03-Nov-14	IMR	1425831	X
11104-28-2	Aroclor-1221	< 24.8	U	µg/kg dry	29.1	24.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 26.2	U	µg/kg dry	29.1	26.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.9	U	µg/kg dry	29.1	12.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 15.8	U	µg/kg dry	29.1	15.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 18.4	U	µg/kg dry	29.1	18.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.8	U	µg/kg dry	29.1	20.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 15.8	U	µg/kg dry	29.1	15.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 28.6	U	µg/kg dry	29.1	28.6	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	66.9	%					1	SM2540 G Mod.	31-Oct-14	31-Oct-14	DT	1425852	
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Sample Identification

SS-68

SB98955-04

Client Project #

14-091

Matrix

Soil

Collection Date/Time

29-Oct-14 15:21

Received

30-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 24.7	U	µg/kg dry	26.4	24.7	1	SW846 8082A	31-Oct-14	03-Nov-14	IMR	1425831	X
11104-28-2	Aroclor-1221	< 22.5	U	µg/kg dry	26.4	22.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.8	U	µg/kg dry	26.4	23.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 11.8	U	µg/kg dry	26.4	11.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.4	U	µg/kg dry	26.4	14.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 16.7	U	µg/kg dry	26.4	16.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 18.9	U	µg/kg dry	26.4	18.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.3	U	µg/kg dry	26.4	14.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 26.0	U	µg/kg dry	26.4	26.0	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	71.7	%					1	SM2540 G Mod.	31-Oct-14	31-Oct-14	DT	1425852	
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Sample Identification

SS-71

SB98955-05

Client Project #

14-091

Matrix

Soil

Collection Date/Time

29-Oct-14 15:29

Received

30-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 25.5	U	µg/kg dry	27.3	25.5	1	SW846 8082A	31-Oct-14	03-Nov-14	IMR	1425831	X
11104-28-2	Aroclor-1221	< 23.2	U	µg/kg dry	27.3	23.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.5	U	µg/kg dry	27.3	24.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.1	U	µg/kg dry	27.3	12.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.8	U	µg/kg dry	27.3	14.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 17.2	U	µg/kg dry	27.3	17.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 19.5	U	µg/kg dry	27.3	19.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.8	U	µg/kg dry	27.3	14.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 26.8	U	µg/kg dry	27.3	26.8	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	69.5	%					1	SM2540 G Mod.	31-Oct-14	31-Oct-14	DT	1425852	
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Sample Identification

SS-74

SB98955-06

Client Project #

14-091

Matrix

Soil

Collection Date/Time

29-Oct-14 15:36

Received

30-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 27.8	U	µg/kg dry	29.8	27.8	1	SW846 8082A	31-Oct-14	03-Nov-14	IMR	1425831	X
11104-28-2	Aroclor-1221	< 25.4	U	µg/kg dry	29.8	25.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 26.8	U	µg/kg dry	29.8	26.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 13.2	U	µg/kg dry	29.8	13.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 16.2	U	µg/kg dry	29.8	16.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	17.9	J	µg/kg dry	29.8	17.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.3	U	µg/kg dry	29.8	21.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 16.2	U	µg/kg dry	29.8	16.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 29.3	U	µg/kg dry	29.8	29.3	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	63.9	%					1	SM2540 G Mod.	31-Oct-14	31-Oct-14	DT	1425852	
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Sample Identification

SS-73

SB98955-07

Client Project #

14-091

Matrix

Soil

Collection Date/Time

29-Oct-14 15:43

Received

30-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 24.8	U	µg/kg dry	26.6	24.8	1	SW846 8082A	31-Oct-14	03-Nov-14	IMR	1425831	X
11104-28-2	Aroclor-1221	< 22.6	U	µg/kg dry	26.6	22.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.9	U	µg/kg dry	26.6	23.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 11.8	U	µg/kg dry	26.6	11.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.4	U	µg/kg dry	26.6	14.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	516		µg/kg dry	26.6	15.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	51.8		µg/kg dry	26.6	25.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.4	U	µg/kg dry	26.6	14.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 26.1	U	µg/kg dry	26.6	26.1	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	70.8			%			1	SM2540 G Mod.	31-Oct-14	31-Oct-14	DT	1425852	
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Sample Identification

SS-72

SB98955-08

Client Project #

14-091

Matrix

Soil

Collection Date/Time

29-Oct-14 15:49

Received

30-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 20.9	U	µg/kg dry	22.4	20.9	1	SW846 8082A	31-Oct-14	03-Nov-14	IMR	1425831	X
11104-28-2	Aroclor-1221	< 19.0	U	µg/kg dry	22.4	19.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.1	U	µg/kg dry	22.4	20.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 9.94	U	µg/kg dry	22.4	9.94	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 12.2	U	µg/kg dry	22.4	12.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	30.2		µg/kg dry	22.4	13.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	16.8	J	µg/kg dry	22.4	16.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 12.1	U	µg/kg dry	22.4	12.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.0	U	µg/kg dry	22.4	22.0	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	84.6	%					1	SM2540 G Mod.	31-Oct-14	31-Oct-14	DT	1425852	
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Sample Identification

SS-75

SB98955-09

Client Project #

14-091

Matrix

Soil

Collection Date/Time

29-Oct-14 16:02

Received

30-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 23.9	U	µg/kg dry	25.6	23.9	1	SW846 8082A	31-Oct-14	03-Nov-14	IMR	1425831	X
11104-28-2	Aroclor-1221	< 21.8	U	µg/kg dry	25.6	21.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.0	U	µg/kg dry	25.6	23.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 11.4	U	µg/kg dry	25.6	11.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13.9	U	µg/kg dry	25.6	13.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,280		µg/kg dry	25.6	16.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	88.3		µg/kg dry	25.6	24.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 13.9	U	µg/kg dry	25.6	13.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.1	U	µg/kg dry	25.6	25.1	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	85			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	75.7			%			1	SM2540 G Mod.	31-Oct-14	31-Oct-14	DT	1425852	
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Sample Identification

SS-78

SB98955-10

Client Project #

14-091

Matrix

Soil

Collection Date/Time

29-Oct-14 16:11

Received

30-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 22.8	U	µg/kg dry	24.4	22.8	1	SW846 8082A	31-Oct-14	04-Nov-14	IMR	1425831	X
11104-28-2	Aroclor-1221	< 20.8	U	µg/kg dry	24.4	20.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.9	U	µg/kg dry	24.4	21.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.9	U	µg/kg dry	24.4	10.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13.3	U	µg/kg dry	24.4	13.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 15.4	U	µg/kg dry	24.4	15.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 17.5	U	µg/kg dry	24.4	17.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 13.2	U	µg/kg dry	24.4	13.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.0	U	µg/kg dry	24.4	24.0	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	80			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	77.6	%					1	SM2540 G Mod.	31-Oct-14	31-Oct-14	DT	1425852	
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Sample Identification

SS-77

SB98955-11

Client Project #

14-091

Matrix

Soil

Collection Date/Time

29-Oct-14 16:27

Received

30-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 21.2	U	µg/kg dry	22.7	21.2	1	SW846 8082A	31-Oct-14	04-Nov-14	IMR	1425831	X
11104-28-2	Aroclor-1221	< 19.3	U	µg/kg dry	22.7	19.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.4	U	µg/kg dry	22.7	20.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.1	U	µg/kg dry	22.7	10.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 12.3	U	µg/kg dry	22.7	12.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 14.3	U	µg/kg dry	22.7	14.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16.3	U	µg/kg dry	22.7	16.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 12.3	U	µg/kg dry	22.7	12.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.3	U	µg/kg dry	22.7	22.3	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	83.3	%					1	SM2540 G Mod.	31-Oct-14	31-Oct-14	DT	1425852	
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This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

SS-76

SB98955-12

Client Project #

14-091

Matrix

Soil

Collection Date/Time

29-Oct-14 16:33

Received

30-Oct-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
----------------	-------------------	---------------	-------------	--------------	-------------	------------	-----------------	--------------------	-----------------	-----------------	----------------	--------------	--------------

Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 23.1	U	µg/kg dry	24.7	23.1	1	SW846 8082A	31-Oct-14	04-Nov-14	IMR	1425831	X
11104-28-2	Aroclor-1221	< 21.1	U	µg/kg dry	24.7	21.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.2	U	µg/kg dry	24.7	22.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 11.0	U	µg/kg dry	24.7	11.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	2,690		µg/kg dry	24.7	13.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,630		µg/kg dry	24.7	15.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	203		µg/kg dry	24.7	17.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 13.4	U	µg/kg dry	24.7	13.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.3	U	µg/kg dry	24.7	24.3	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	74.2	%					1	SM2540 G Mod.	31-Oct-14	31-Oct-14	DT	1425852	
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This laboratory report is not valid without an authorized signature on the cover page.

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1425831 - SW846 3540C										
Blank (1425831-BLK1)					Prepared: 31-Oct-14 Analyzed: 03-Nov-14					
Aroclor-1016	< 18.1	U	µg/kg wet	18.1						
Aroclor-1016 [2C]	< 12.5	U	µg/kg wet	12.5						
Aroclor-1221	< 16.5	U	µg/kg wet	16.5						
Aroclor-1221 [2C]	< 14.2	U	µg/kg wet	14.2						
Aroclor-1232	< 17.4	U	µg/kg wet	17.4						
Aroclor-1232 [2C]	< 14.9	U	µg/kg wet	14.9						
Aroclor-1242	< 8.59	U	µg/kg wet	8.59						
Aroclor-1242 [2C]	< 15.1	U	µg/kg wet	15.1						
Aroclor-1248	< 10.5	U	µg/kg wet	10.5						
Aroclor-1248 [2C]	< 10.6	U	µg/kg wet	10.6						
Aroclor-1254	< 12.2	U	µg/kg wet	12.2						
Aroclor-1254 [2C]	< 11.5	U	µg/kg wet	11.5						
Aroclor-1260	< 13.8	U	µg/kg wet	13.8						
Aroclor-1260 [2C]	< 18.3	U	µg/kg wet	18.3						
Aroclor-1262	< 10.5	U	µg/kg wet	10.5						
Aroclor-1262 [2C]	< 9.67	U	µg/kg wet	9.67						
Aroclor-1268	< 19.0	U	µg/kg wet	19.0						
Aroclor-1268 [2C]	< 18.6	U	µg/kg wet	18.6						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	22.2		µg/kg wet		19.3		115	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	21.3		µg/kg wet		19.3		110	30-150		
Surrogate: Decachlorobiphenyl (Sr)	16.4		µg/kg wet		19.3		85	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	15.5		µg/kg wet		19.3		80	30-150		
LCS (1425831-BS1)					Prepared: 31-Oct-14 Analyzed: 03-Nov-14					
Aroclor-1016	226		µg/kg wet	18.5	248		91	40-140		
Aroclor-1016 [2C]	205		µg/kg wet	12.8	248		83	40-140		
Aroclor-1260	218		µg/kg wet	14.2	248		88	40-140		
Aroclor-1260 [2C]	186		µg/kg wet	18.8	248		75	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	21.8		µg/kg wet		19.8		110	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	20.8		µg/kg wet		19.8		105	30-150		
Surrogate: Decachlorobiphenyl (Sr)	17.8		µg/kg wet		19.8		90	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	15.8		µg/kg wet		19.8		80	30-150		
LCS Dup (1425831-BSD1)					Prepared: 31-Oct-14 Analyzed: 03-Nov-14					
Aroclor-1016	213		µg/kg wet	17.9	239		89	40-140	2	30
Aroclor-1016 [2C]	213		µg/kg wet	12.4	239		89	40-140	7	30
Aroclor-1260	209		µg/kg wet	13.7	239		87	40-140	0.9	30
Aroclor-1260 [2C]	187		µg/kg wet	18.1	239		78	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	21.1		µg/kg wet		19.1		110	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	20.1		µg/kg wet		19.1		105	30-150		
Surrogate: Decachlorobiphenyl (Sr)	17.2		µg/kg wet		19.1		90	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	16.3		µg/kg wet		19.1		85	30-150		

This laboratory report is not valid without an authorized signature on the cover page.

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1425852 - General Preparation										
Duplicate (1425852-DUP1)				Source: SB98955-03		Prepared & Analyzed: 31-Oct-14				
% Solids	64.2		%			66.9			4	5

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Rebecca Merz



CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:

☐ Standard TAT - 7 to 10 business days

☒ Rush TAT - Date Needed: 3-DAY

All TATs subject to laboratory approval

Min. 24-hr notification needed for rushes

Samples disposed after 60 days unless otherwise instructed.

Report To: Rich McKenna
AECC
6308 Fly Road
East Syracuse, NY 13057
Telephone #: (315) 432-9400
Project Mgr: _____

Invoice To: Acct's Payable

P.O. No.: 14-091 Quote/RQN: _____

Project No: 14-091
Site Name: Woodbine Business Park
Location: Canada Dr, DeWitt State: NY
Sampler(s): Drew Brantner

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11=_____ 12=_____

List Preservative Code below:

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1=_____ X2=_____ X3=_____

Containers

Analysis

Check if chlorinated

MA DEP MCP CAM Report? ☐ Yes ☐ No

CT DPH RCP Report? ☐ Yes ☐ No

☒ Standard ☐ No QC

☐ DQA*

☐ ASP A*

☐ ASP B*

☐ NJ Reduced*

☐ NJ Full*

☐ Tier II*

☐ Tier IV*

☐ Other: _____

State-specific reporting standards:

G= Grab		C=Compsite		Type	Matrix	Containers				Analysis									
Lab ID:	Sample ID:	Date:	Time:			# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic										
98955-01	SS-67	10/29/14	1501	G	SO		1			8082 PCBs									
-02	SS-69		1508																
-03	SS-70		1515																
-04	SS-68		1521																
-05	SS-71		1529																
-06	SS-74		1536																
-07	SS-73		1543																
-08	SS-72		1549																
-09	SS-75		1602																
-10	SS-78		1611																

Soxhlet Prep

12/10/14 IR
10/30/14 IR

1901/19 IR

Relinquished by:

Received by:

Date:

Time:

Temp °C

☒ EDD format:

TDF, Excel

☒ E-mail to:

rmckenna@aeccgroup.com

Observed

Correction Factor

Corrected

IR ID #

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SB98955e
Special Handling:

☐ Standard TAT - 7 to 10 business days

☒ Rush TAT - Date Needed: 3-DAY

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

CHAIN OF CUSTODY RECORD

Page 2 of 2



Report To: Rich McKenna
AECC
6308 Fly Road
East Syracuse, NY 13057
Telephone #: (315) 432-9400
Project Mgr: _____

Invoice To: Acct's Payable

P.O No.: 14-091 Quote/RQN: _____

Project No: 14-091
Site Name: Woodbine Business Park
Location: Canada Dr, Deloit State: NY
Sampler(s): Drew Brantner

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11=_____ 12=_____

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1=_____ X2=_____ X3=_____

G= Grab

C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082 PCBs
98955 -11	SS-77	10/29/14	1627	G	SO		1			X
↓ 12	SS-76	10/29/14	1633	G	SO		1			X

Check if chlorinated

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☒ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Soxhlet Prep

12/10 1/2 1/2
10/30/14 UK

19.0.19.2

Relinquished by:

Received by:

Date:

Time:

Temp °C

☒ EDD format: PDF, Excel

☒ E-mail to: rmckenna@aeccgroup.com

Observed

Corection Factor

Corrected

IR ID #

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen



Life Science Laboratories, Inc.

Rich McKenna
Asbestos & Environmental Consulting Corp
6308 Fly Road
East Syracuse, NY 13057

Phone: (315) 432-9400
FAX: (315) 432-9405

Laboratory Analysis Report

Prepared For

Asbestos & Environmental Consulting Corp

LSL Project ID: **1418046**

Receive Date/Time: 11/04/14 13:17

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc. This report may only be reproduced in its entirety. No partial duplication is allowed. The Chain of Custody and the Sample Receipt documents submitted with these samples are considered by LSL to be an appendix of this report and may contain specific information that pertains to the samples included in this report. The analytical result(s) in this report are only representative of the sample(s) submitted for analysis. LSL makes no claim of a sample's representativeness, or integrity, if sampling was not performed by LSL personnel.

LSL Central Lab
5854 Butternut Drive
East Syracuse, NY 13057
Tel. (315) 445-1900
Fax (315) 445-1104
NYS DOH ELAP #10248
PA DEP #68-2556

LSL North Lab
131 St. Lawrence Avenue
Waddington, NY 13694
Tel. (315) 388-4476
Fax (315) 388-4061
NYS DOH ELAP #10900

LSL Finger Lakes Lab
16 N. Main St., PO Box 424
Wayland, NY 14572
Tel. (585) 728-3320
Fax (585) 728-2711
NYS DOH ELAP #11667

LSL Southern Tier Office
Cuba, NY
Tel. (585) 209-4032

LSL MidLakes Office
Canandaigua, NY
Tel. (585) 728-3320

This report was reviewed by:

Date:

11/6/14

David J. Prichard, Director of Tech. Services

A copy of this report was sent to:

Page 1 of 2

Date Printed:

11/6/14

- - LABORATORY ANALYSIS REPORT - -

Asbestos & Environmental Consulting Corp East Syracuse, NY

Sample ID: SS-75d Grab

LSL Sample ID: 1418046-001

Location:

Sampled: 10/29/14 16:02

Sampled By: DB

Sample Matrix: SHW Dry Wt, Soil

Analytical Method	Result	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte		Units			
(1) EPA 8082A PCBs (Dry Weight)		EPA 3540			
Aroclor-1016	<1	mg/kg dry	11/5/14	11/6/14	CRT
Aroclor-1221	<1	mg/kg dry	11/5/14	11/6/14	CRT
Aroclor-1232	<1	mg/kg dry	11/5/14	11/6/14	CRT
Aroclor-1242	<1	mg/kg dry	11/5/14	11/6/14	CRT
Aroclor-1248	6.9	mg/kg dry	11/5/14	11/6/14	CRT
Aroclor-1254	<1	mg/kg dry	11/5/14	11/6/14	CRT
Aroclor-1260	<1	mg/kg dry	11/5/14	11/6/14	CRT
Surrogate (DCB)	120	%R	11/5/14	11/6/14	CRT

Analysis performed at: (1) LSL Central Lab, (2) LSL North Lab, (3) LSL Finger Lakes Lab



Life Science Laboratories, Inc.
CHAIN OF CUSTODY RECORD

LSL Central Lab
5854 Butternut Drive
East Syracuse, NY 13057.
Phone: (315) 445-1900
Fax: (315) 445-1104
Email: lslcentral@lsl-inc.com

LSL North Lab
131 St Lawrence Ave
Waddington, NY 13694
Phone: (315) 388-4476
Fax: (315) 388-4081
Email: lsinfo@lsi-inc.com

LSL Finger Lakes Lab
16 North Main Street
Wayland, NY 14572
Phone: (585) 728-3320
Fax: (585) 728-2711
Email: lsfll@isl-inc.com

LSI Southern Tier Lab
24 A West Main Street
Cuba, NY 14727
Phone: (585) 968-2640
Fax: (585) 968-0906
Email: lsistl@lsi-inc.com

ADAC

AECC

666

[illegible]

*** All areas of this Chain of Custody Record MUST be filled out in order to process samples in a timely manner IN PEN ONLY***

Reg COC rev1

Report Date:
05-Dec-14 15:12



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

AECC Environmental Consulting
6308 Fly Road
East Syracuse, NY 13057
Attn: Rich McKenna

Project: Woodbine Business Park - Dewitt, NY
Project #: 14-091

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SC00580-01	SS-79	Soil	02-Dec-14 10:40	02-Dec-14 21:00
SC00580-02	SS-81	Soil	02-Dec-14 10:46	02-Dec-14 21:00
SC00580-03	SS-83	Soil	02-Dec-14 10:52	02-Dec-14 21:00
SC00580-04	SS-84	Soil	02-Dec-14 10:57	02-Dec-14 21:00
SC00580-05	SS-86	Soil	02-Dec-14 11:03	02-Dec-14 21:00
SC00580-06	SS-80	Soil	02-Dec-14 11:15	02-Dec-14 21:00
SC00580-07	SS-82	Soil	02-Dec-14 11:21	02-Dec-14 21:00
SC00580-08	SS-85	Soil	02-Dec-14 11:26	02-Dec-14 21:00
SC00580-09	SS-87	Soil	02-Dec-14 11:32	02-Dec-14 21:00
SC00580-10	SS-88	Soil	02-Dec-14 11:37	02-Dec-14 21:00
SC00580-11	SS-89	Soil	02-Dec-14 11:48	02-Dec-14 21:00
SC00580-12	SS-90	Soil	02-Dec-14 11:55	02-Dec-14 21:00
SC00580-13	SS-91	Soil	02-Dec-14 12:02	02-Dec-14 21:00
SC00580-14	SS-92	Soil	02-Dec-14 12:13	02-Dec-14 21:00
SC00580-15	SS-93	Soil	02-Dec-14 12:19	02-Dec-14 21:00
SC00580-16	SS-94	Soil	02-Dec-14 12:23	02-Dec-14 21:00
SC00580-17	SS-95	Soil	02-Dec-14 12:30	02-Dec-14 21:00
SC00580-18	SS-96	Soil	02-Dec-14 12:36	02-Dec-14 21:00
SC00580-19	SS-97	Soil	02-Dec-14 12:47	02-Dec-14 21:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

A handwritten signature in black ink that reads "Nicole Leja". The signature is fluid and cursive.

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 27 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our Quality web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, NJ-MA012, PA-68-04426 and FL-E87936).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

Data has been reported to the MDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the detection limit are reported as "<" (less than) the detection limit in this report.

The samples were received 5.7 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

SC00580-02 SS-81

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SC00580-03 SS-83

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SC00580-05 SS-86

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SC00580-07 SS-82

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

Sample Acceptance Check Form

Client: AECC Environmental Consulting
Project: Woodbine Business Park - Dewitt, NY / 14-091
Work Order: SC00580
Sample(s) received on: 12/2/2014

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were custody seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were samples received at a temperature of $\leq 6^{\circ}\text{C}$?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples cooled on ice upon transfer to laboratory representative?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were sample containers received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples accompanied by a Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did sample container labels agree with Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples received within method-specific holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Identification

SS-79

SC00580-01

Client Project #

14-091

Matrix

Soil

Collection Date/Time

02-Dec-14 10:40

Received

02-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 22.4	U	µg/kg dry	24.0	22.4	1	SW846 8082A	03-Dec-14	04-Dec-14	IMR	1428496	X
11104-28-2	Aroclor-1221	< 20.4	U	µg/kg dry	24.0	20.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.5	U	µg/kg dry	24.0	21.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.6	U	µg/kg dry	24.0	10.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13.0	U	µg/kg dry	24.0	13.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	< 14.3	U	µg/kg dry	24.0	14.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 17.1	U	µg/kg dry	24.0	17.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 13.0	U	µg/kg dry	24.0	13.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.5	U	µg/kg dry	24.0	23.5	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	82.0	%					1	SM2540 G Mod.	03-Dec-14	03-Dec-14	DT	1428498	
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Sample Identification

SS-81

SC00580-02

Client Project #

14-091

Matrix

Soil

Collection Date/Time

02-Dec-14 10:46

Received

02-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 228	U, D	µg/kg dry	244	228	10	SW846 8082A	03-Dec-14	04-Dec-14	IMR	1428496	X
11104-28-2	Aroclor-1221	< 208	U, D	µg/kg dry	244	208	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 219	U, D	µg/kg dry	244	219	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 109	U, D	µg/kg dry	244	109	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 133	U, D	µg/kg dry	244	133	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	13,500	D	µg/kg dry	244	146	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	818	D	µg/kg dry	244	175	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 132	U, D	µg/kg dry	244	132	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 240	U, D	µg/kg dry	244	240	10	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	80.9	%					1	SM2540 G Mod.	03-Dec-14	03-Dec-14	DT	1428498	
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Sample Identification

SS-83

SC00580-03

Client Project #

14-091

Matrix

Soil

Collection Date/Time

02-Dec-14 10:52

Received

02-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 51300	U, D	µg/kg dry	54900	51300	2000	SW846 8082A	03-Dec-14	04-Dec-14	IMR	1428496	X
11104-28-2	Aroclor-1221	< 46700	U, D	µg/kg dry	54900	46700	2000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 49300	U, D	µg/kg dry	54900	49300	2000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 24400	U, D	µg/kg dry	54900	24400	2000	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	2,440,000	D	µg/kg dry	54900	30100	2000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,840,000	D	µg/kg dry	54900	34600	2000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	124,000	D	µg/kg dry	54900	39300	2000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 29800	U, D	µg/kg dry	54900	29800	2000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54000	U, D	µg/kg dry	54900	54000	2000	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	71.8	%					1	SM2540 G Mod.	03-Dec-14	03-Dec-14	DT	1428498	
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Sample Identification

SS-84

SC00580-04

Client Project #

14-091

Matrix

Soil

Collection Date/Time

02-Dec-14 10:57

Received

02-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 25.3	U	µg/kg dry	27.1	25.3	1	SW846 8082A	03-Dec-14	04-Dec-14	IMR	1428496	X
11104-28-2	Aroclor-1221	< 23.1	U	µg/kg dry	27.1	23.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.4	U	µg/kg dry	27.1	24.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.0	U	µg/kg dry	27.1	12.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	271		µg/kg dry	27.1	14.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 17.1	U	µg/kg dry	27.1	17.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 19.4	U	µg/kg dry	27.1	19.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.7	U	µg/kg dry	27.1	14.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 26.6	U	µg/kg dry	27.1	26.6	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	72.4	%					1	SM2540 G Mod.	03-Dec-14	03-Dec-14	DT	1428498	
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Sample Identification

SS-86

SC00580-05

Client Project #

14-091

Matrix

Soil

Collection Date/Time

02-Dec-14 11:03

Received

02-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 1210	U, D	µg/kg dry	1300	1210	50	SW846 8082A	03-Dec-14	04-Dec-14	IMR	1428496	X
11104-28-2	Aroclor-1221	< 1100	U, D	µg/kg dry	1300	1100	50	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1160	U, D	µg/kg dry	1300	1160	50	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 576	U, D	µg/kg dry	1300	576	50	"	"	"	"	"	X
12672-29-6	Aroclor-1248	42,000	D	µg/kg dry	1300	704	50	"	"	"	"	"	X
11097-69-1	Aroclor-1254	33,100	D	µg/kg dry	1300	817	50	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	2,720	D	µg/kg dry	1300	1230	50	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 702	U, D	µg/kg dry	1300	702	50	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1270	U, D	µg/kg dry	1300	1270	50	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	76.0	%					1	SM2540 G Mod.	03-Dec-14	03-Dec-14	DT	1428498	
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Sample Identification

SS-80

SC00580-06

Client Project #

14-091

Matrix

Soil

Collection Date/Time

02-Dec-14 11:15

Received

02-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 22.6	U	µg/kg dry	24.2	22.6	1	SW846 8082A	03-Dec-14	04-Dec-14	IMR	1428496	X
11104-28-2	Aroclor-1221	< 20.6	U	µg/kg dry	24.2	20.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.7	U	µg/kg dry	24.2	21.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.8	U	µg/kg dry	24.2	10.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	79.8		µg/kg dry	24.2	13.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	102		µg/kg dry	24.2	14.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 17.3	U	µg/kg dry	24.2	17.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 13.1	U	µg/kg dry	24.2	13.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.8	U	µg/kg dry	24.2	23.8	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	85			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	81.4	%					1	SM2540 G Mod.	03-Dec-14	03-Dec-14	DT	1428498	
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Sample Identification

SS-82

SC00580-07

Client Project #

14-091

Matrix

Soil

Collection Date/Time

02-Dec-14 11:21

Received

02-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 2410	U, D	µg/kg dry	2580	2410	100	SW846 8082A	03-Dec-14	04-Dec-14	IMR	1428496	X
11104-28-2	Aroclor-1221	< 2190	U, D	µg/kg dry	2580	2190	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 2310	U, D	µg/kg dry	2580	2310	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1150	U, D	µg/kg dry	2580	1150	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	184,000	D	µg/kg dry	2580	1400	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254	172,000	D	µg/kg dry	2580	1630	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260	11,700	D	µg/kg dry	2580	1840	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1400	U, D	µg/kg dry	2580	1400	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 2530	U, D	µg/kg dry	2580	2530	100	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	74.5	%					1	SM2540 G Mod.	03-Dec-14	03-Dec-14	DT	1428498	
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Sample Identification

SS-85

SC00580-08

Client Project #

14-091

Matrix

Soil

Collection Date/Time

02-Dec-14 11:26

Received

02-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 25.2	U	µg/kg dry	26.9	25.2	1	SW846 8082A	03-Dec-14	04-Dec-14	IMR	1428496	X
11104-28-2	Aroclor-1221	< 22.9	U	µg/kg dry	26.9	22.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.2	U	µg/kg dry	26.9	24.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.0	U	µg/kg dry	26.9	12.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.6	U	µg/kg dry	26.9	14.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	1,110		µg/kg dry	26.9	16.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	94.3		µg/kg dry	26.9	19.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.6	U	µg/kg dry	26.9	14.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 26.5	U	µg/kg dry	26.9	26.5	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	74.2	%					1	SM2540 G Mod.	03-Dec-14	03-Dec-14	DT	1428498	
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Sample Identification

SS-87

SC00580-09

Client Project #

14-091

Matrix

Soil

Collection Date/Time

02-Dec-14 11:32

Received

02-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 25.8	U	µg/kg dry	27.6	25.8	1	SW846 8082A	03-Dec-14	04-Dec-14	IMR	1428496	X
11104-28-2	Aroclor-1221	< 23.5	U	µg/kg dry	27.6	23.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.8	U	µg/kg dry	27.6	24.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.3	U	µg/kg dry	27.6	12.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 15.0	U	µg/kg dry	27.6	15.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	3,290		µg/kg dry	27.6	16.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	207		µg/kg dry	27.6	19.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 15.0	U	µg/kg dry	27.6	15.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 27.2	U	µg/kg dry	27.6	27.2	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	80			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	85			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	70.4	%					1	SM2540 G Mod.	03-Dec-14	03-Dec-14	DT	1428498	
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Sample Identification

SS-88

SC00580-10

Client Project #

14-091

Matrix

Soil

Collection Date/Time

02-Dec-14 11:37

Received

02-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 25.7	U	µg/kg dry	27.5	25.7	1	SW846 8082A	03-Dec-14	04-Dec-14	IMR	1428496	X
11104-28-2	Aroclor-1221	< 23.4	U	µg/kg dry	27.5	23.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.7	U	µg/kg dry	27.5	24.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.2	U	µg/kg dry	27.5	12.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.9	U	µg/kg dry	27.5	14.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,660		µg/kg dry	27.5	17.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	147		µg/kg dry	27.5	19.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.9	U	µg/kg dry	27.5	14.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 27.0	U	µg/kg dry	27.5	27.0	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	80			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	85			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	72.6	%					1	SM2540 G Mod.	03-Dec-14	03-Dec-14	DT	1428498	
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Sample Identification

SS-89

SC00580-11

Client Project #

14-091

Matrix

Soil

Collection Date/Time

02-Dec-14 11:48

Received

02-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 21.6	U	µg/kg dry	23.1	21.6	1	SW846 8082A	03-Dec-14	04-Dec-14	IMR	1428496	X
11104-28-2	Aroclor-1221	< 19.7	U	µg/kg dry	23.1	19.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.8	U	µg/kg dry	23.1	20.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.3	U	µg/kg dry	23.1	10.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	2,430		µg/kg dry	23.1	12.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,560		µg/kg dry	23.1	14.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	185		µg/kg dry	23.1	16.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 12.5	U	µg/kg dry	23.1	12.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.7	U	µg/kg dry	23.1	22.7	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	83.7	%					1	SM2540 G Mod.	03-Dec-14	03-Dec-14	DT	1428498	
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Sample Identification

SS-90

SC00580-12

Client Project #

14-091

Matrix

Soil

Collection Date/Time

02-Dec-14 11:55

Received

02-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 22.9	U	µg/kg dry	24.5	22.9	1	SW846 8082A	03-Dec-14	04-Dec-14	IMR	1428496	X
11104-28-2	Aroclor-1221	< 20.8	U	µg/kg dry	24.5	20.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.0	U	µg/kg dry	24.5	22.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.9	U	µg/kg dry	24.5	10.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	110		µg/kg dry	24.5	13.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	207		µg/kg dry	24.5	15.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	31.8		µg/kg dry	24.5	23.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 13.3	U	µg/kg dry	24.5	13.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.1	U	µg/kg dry	24.5	24.1	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	80.1	%					1	SM2540 G Mod.	03-Dec-14	03-Dec-14	DT	1428498	
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Sample Identification

SS-91

SC00580-13

Client Project #

14-091

Matrix

Soil

Collection Date/Time

02-Dec-14 12:02

Received

02-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 24.0	U	µg/kg dry	25.7	24.0	1	SW846 8082A	03-Dec-14	04-Dec-14	IMR	1428496	X
11104-28-2	Aroclor-1221	< 21.9	U	µg/kg dry	25.7	21.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.1	U	µg/kg dry	25.7	23.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 11.4	U	µg/kg dry	25.7	11.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.0	U	µg/kg dry	25.7	14.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	907		µg/kg dry	25.7	15.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	95.2		µg/kg dry	25.7	24.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 13.9	U	µg/kg dry	25.7	13.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.3	U	µg/kg dry	25.7	25.3	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	74.2	%					1	SM2540 G Mod.	03-Dec-14	03-Dec-14	DT	1428498	
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Sample Identification

SS-92

SC00580-14

Client Project #

14-091

Matrix

Soil

Collection Date/Time

02-Dec-14 12:13

Received

02-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 26.5	U	µg/kg dry	28.3	26.5	1	SW846 8082A	03-Dec-14	04-Dec-14	IMR	1428496	X
11104-28-2	Aroclor-1221	< 24.1	U	µg/kg dry	28.3	24.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.5	U	µg/kg dry	28.3	25.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.6	U	µg/kg dry	28.3	12.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	116		µg/kg dry	28.3	15.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	101		µg/kg dry	28.3	17.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.3	U	µg/kg dry	28.3	20.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 15.4	U	µg/kg dry	28.3	15.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 27.9	U	µg/kg dry	28.3	27.9	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	66.0	%					1	SM2540 G Mod.	03-Dec-14	03-Dec-14	DT	1428498	
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Sample Identification

SS-93

SC00580-15

Client Project #

14-091

Matrix

Soil

Collection Date/Time

02-Dec-14 12:19

Received

02-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 26.1	U	µg/kg dry	28.0	26.1	1	SW846 8082A	03-Dec-14	04-Dec-14	IMR	1428496	X
11104-28-2	Aroclor-1221	< 23.8	U	µg/kg dry	28.0	23.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.1	U	µg/kg dry	28.0	25.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.4	U	µg/kg dry	28.0	12.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 15.2	U	µg/kg dry	28.0	15.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	26.6	J	µg/kg dry	28.0	16.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.0	U	µg/kg dry	28.0	20.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 15.2	U	µg/kg dry	28.0	15.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 27.5	U	µg/kg dry	28.0	27.5	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	120			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	69.0	%					1	SM2540 G Mod.	03-Dec-14	03-Dec-14	DT	1428499	
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Sample Identification

SS-94

SC00580-16

Client Project #

14-091

Matrix

Soil

Collection Date/Time

02-Dec-14 12:23

Received

02-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 24.2	U	µg/kg dry	25.9	24.2	1	SW846 8082A	03-Dec-14	04-Dec-14	IMR	1428496	X
11104-28-2	Aroclor-1221	< 22.1	U	µg/kg dry	25.9	22.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.3	U	µg/kg dry	25.9	23.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 11.5	U	µg/kg dry	25.9	11.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	32.4		µg/kg dry	25.9	14.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	66.1		µg/kg dry	25.9	15.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 18.6	U	µg/kg dry	25.9	18.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.1	U	µg/kg dry	25.9	14.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.5	U	µg/kg dry	25.9	25.5	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	71.3	%					1	SM2540 G Mod.	03-Dec-14	03-Dec-14	DT	1428499	
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Sample Identification

SS-95

SC00580-17

Client Project #

14-091

Matrix

Soil

Collection Date/Time

02-Dec-14 12:30

Received

02-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 28.7	U	µg/kg dry	30.7	28.7	1	SW846 8082A	03-Dec-14	04-Dec-14	IMR	1428496	X
11104-28-2	Aroclor-1221	< 26.1	U	µg/kg dry	30.7	26.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 27.6	U	µg/kg dry	30.7	27.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 13.6	U	µg/kg dry	30.7	13.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 16.7	U	µg/kg dry	30.7	16.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 19.4	U	µg/kg dry	30.7	19.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	27.6	J	µg/kg dry	30.7	22.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 16.6	U	µg/kg dry	30.7	16.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 30.2	U	µg/kg dry	30.7	30.2	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	63.5	%					1	SM2540 G Mod.	03-Dec-14	03-Dec-14	DT	1428499	
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Sample Identification

SS-96

SC00580-18

Client Project #

14-091

Matrix

Soil

Collection Date/Time

02-Dec-14 12:36

Received

02-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 34.0	U	µg/kg dry	36.4	34.0	1	SW846 8082A	03-Dec-14	04-Dec-14	IMR	1428496	X
11104-28-2	Aroclor-1221	< 31.0	U	µg/kg dry	36.4	31.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 32.7	U	µg/kg dry	36.4	32.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 16.2	U	µg/kg dry	36.4	16.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 19.8	U	µg/kg dry	36.4	19.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	30.9	J	µg/kg dry	36.4	23.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 26.1	U	µg/kg dry	36.4	26.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19.7	U	µg/kg dry	36.4	19.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 35.8	U	µg/kg dry	36.4	35.8	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	80			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	52.9	%					1	SM2540 G Mod.	03-Dec-14	03-Dec-14	DT	1428499	
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Sample Identification

SS-97

SC00580-19

Client Project #

14-091

Matrix

Soil

Collection Date/Time

02-Dec-14 12:47

Received

02-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 25.7	U	µg/kg dry	27.5	25.7	1	SW846 8082A	03-Dec-14	04-Dec-14	IMR	1428496	X
11104-28-2	Aroclor-1221	< 23.4	U	µg/kg dry	27.5	23.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.7	U	µg/kg dry	27.5	24.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.2	U	µg/kg dry	27.5	12.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 15.0	U	µg/kg dry	27.5	15.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 17.4	U	µg/kg dry	27.5	17.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 19.7	U	µg/kg dry	27.5	19.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.9	U	µg/kg dry	27.5	14.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 27.1	U	µg/kg dry	27.5	27.1	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	85			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	67.2	%					1	SM2540 G Mod.	03-Dec-14	03-Dec-14	DT	1428499	
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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1428496 - SW846 3540C										
<u>Blank (1428496-BLK1)</u>					<u>Prepared: 03-Dec-14 Analyzed: 04-Dec-14</u>					
Aroclor-1016	< 18.4	U	µg/kg wet	18.4						
Aroclor-1016 [2C]	< 12.8	U	µg/kg wet	12.8						
Aroclor-1221	< 16.7	U	µg/kg wet	16.7						
Aroclor-1221 [2C]	< 14.5	U	µg/kg wet	14.5						
Aroclor-1232	< 17.7	U	µg/kg wet	17.7						
Aroclor-1232 [2C]	< 15.2	U	µg/kg wet	15.2						
Aroclor-1242	< 8.75	U	µg/kg wet	8.75						
Aroclor-1242 [2C]	< 15.4	U	µg/kg wet	15.4						
Aroclor-1248	< 10.7	U	µg/kg wet	10.7						
Aroclor-1248 [2C]	< 10.8	U	µg/kg wet	10.8						
Aroclor-1254	< 12.4	U	µg/kg wet	12.4						
Aroclor-1254 [2C]	< 11.7	U	µg/kg wet	11.7						
Aroclor-1260	< 14.1	U	µg/kg wet	14.1						
Aroclor-1260 [2C]	< 18.7	U	µg/kg wet	18.7						
Aroclor-1262	< 10.7	U	µg/kg wet	10.7						
Aroclor-1262 [2C]	< 9.84	U	µg/kg wet	9.84						
Aroclor-1268	< 19.3	U	µg/kg wet	19.3						
Aroclor-1268 [2C]	< 18.9	U	µg/kg wet	18.9						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	11.8		µg/kg wet		19.7		60	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	12.8		µg/kg wet		19.7		65	30-150		
Surrogate: Decachlorobiphenyl (Sr)	15.7		µg/kg wet		19.7		80	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	14.8		µg/kg wet		19.7		75	30-150		
<u>LCS (1428496-BS1)</u>					<u>Prepared: 03-Dec-14 Analyzed: 04-Dec-14</u>					
Aroclor-1016	256		µg/kg wet	18.5	248		104	40-140		
Aroclor-1016 [2C]	241		µg/kg wet	12.8	248		97	40-140		
Aroclor-1260	253		µg/kg wet	14.2	248		102	40-140		
Aroclor-1260 [2C]	218		µg/kg wet	18.8	248		88	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	8.91		µg/kg wet		19.8		45	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	8.91		µg/kg wet		19.8		45	30-150		
Surrogate: Decachlorobiphenyl (Sr)	10.9		µg/kg wet		19.8		55	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	10.9		µg/kg wet		19.8		55	30-150		
<u>LCS Dup (1428496-BSD1)</u>					<u>Prepared: 03-Dec-14 Analyzed: 04-Dec-14</u>					
Aroclor-1016	254		µg/kg wet	18.2	244		104	40-140	0.8	30
Aroclor-1016 [2C]	242		µg/kg wet	12.6	244		99	40-140	2	30
Aroclor-1260	248		µg/kg wet	14.0	244		102	40-140	0.4	30
Aroclor-1260 [2C]	207		µg/kg wet	18.5	244		85	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	8.77		µg/kg wet		19.5		45	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	8.77		µg/kg wet		19.5		45	30-150		
Surrogate: Decachlorobiphenyl (Sr)	10.7		µg/kg wet		19.5		55	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	10.7		µg/kg wet		19.5		55	30-150		
<u>Duplicate (1428496-DUP1)</u>					<u>Source: SC00580-01 Prepared: 03-Dec-14 Analyzed: 04-Dec-14</u>					
Aroclor-1016	< 22.0	U	µg/kg dry	22.0		BRL				30
Aroclor-1016 [2C]	< 15.2	U	µg/kg dry	15.2		BRL				30
Aroclor-1221	< 20.0	U	µg/kg dry	20.0		BRL				30
Aroclor-1221 [2C]	< 17.3	U	µg/kg dry	17.3		BRL				30
Aroclor-1232	< 21.1	U	µg/kg dry	21.1		BRL				30
Aroclor-1232 [2C]	< 18.1	U	µg/kg dry	18.1		BRL				30
Aroclor-1242	< 10.5	U	µg/kg dry	10.5		BRL				30

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1428496 - SW846 3540C										
<u>Duplicate (1428496-DUP1)</u>				<u>Source: SC00580-01</u>				<u>Prepared: 03-Dec-14 Analyzed: 04-Dec-14</u>		
Aroclor-1242 [2C]	< 18.4	U	µg/kg dry	18.4		BRL				30
Aroclor-1248	< 12.8	U	µg/kg dry	12.8		BRL				30
Aroclor-1248 [2C]	< 12.9	U	µg/kg dry	12.9		BRL				30
Aroclor-1254	< 14.8	U	µg/kg dry	14.8		BRL				30
Aroclor-1254 [2C]	< 14.0	U	µg/kg dry	14.0		BRL				30
Aroclor-1260	< 16.8	U	µg/kg dry	16.8		BRL				30
Aroclor-1260 [2C]	< 22.3	U	µg/kg dry	22.3		BRL				30
Aroclor-1262	< 12.7	U	µg/kg dry	12.7		BRL				30
Aroclor-1262 [2C]	< 11.8	U	µg/kg dry	11.8		BRL				30
Aroclor-1268	< 23.1	U	µg/kg dry	23.1		BRL				30
Aroclor-1268 [2C]	< 22.6	U	µg/kg dry	22.6		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	20.0		µg/kg dry		23.5		85	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	22.3		µg/kg dry		23.5		95	30-150		
Surrogate: Decachlorobiphenyl (Sr)	27.1		µg/kg dry		23.5		115	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	28.2		µg/kg dry		23.5		120	30-150		
<u>Matrix Spike (1428496-MS1)</u>				<u>Source: SC00580-01</u>				<u>Prepared: 03-Dec-14 Analyzed: 04-Dec-14</u>		
Aroclor-1016	269		µg/kg dry	22.6	303	BRL	89	40-140		
Aroclor-1016 [2C]	269		µg/kg dry	15.7	303	BRL	89	40-140		
Aroclor-1260	287		µg/kg dry	17.3	303	BRL	95	40-140		
Aroclor-1260 [2C]	248		µg/kg dry	23.0	303	BRL	82	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	21.8		µg/kg dry		24.2		90	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	21.8		µg/kg dry		24.2		90	30-150		
Surrogate: Decachlorobiphenyl (Sr)	27.8		µg/kg dry		24.2		115	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	26.6		µg/kg dry		24.2		110	30-150		
<u>Matrix Spike Dup (1428496-MSD1)</u>				<u>Source: SC00580-01</u>				<u>Prepared: 03-Dec-14 Analyzed: 04-Dec-14</u>		
Aroclor-1016	262		µg/kg dry	22.1	296	BRL	88	40-140	0.5	30
Aroclor-1016 [2C]	258		µg/kg dry	15.4	296	BRL	87	40-140	2	30
Aroclor-1260	277		µg/kg dry	17.0	296	BRL	94	40-140	1	30
Aroclor-1260 [2C]	236		µg/kg dry	22.5	296	BRL	80	40-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	21.3		µg/kg dry		23.7		90	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	21.3		µg/kg dry		23.7		90	30-150		
Surrogate: Decachlorobiphenyl (Sr)	26.1		µg/kg dry		23.7		110	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	26.1		µg/kg dry		23.7		110	30-150		

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General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1428499 - General Preparation										
<u>Duplicate (1428499-DUP1)</u>				<u>Source: SC00580-15</u>		<u>Prepared & Analyzed: 03-Dec-14</u>				
% Solids	68.3		%			69.0			1	5
<u>Duplicate (1428499-DUP2)</u>				<u>Source: SC00580-16</u>		<u>Prepared & Analyzed: 03-Dec-14</u>				
% Solids	71.7		%			71.3			0.5	5

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly LaPlante



CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 3-DAY
All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Rich McKenna
AECC
6308 Fly Road
East Syracuse, NY 13057
Telephone #: (315) 432-9400
Project Mgr: _____

Invoice To: Acct's Payable

P.O. No.: 14-091 Quote/RQN: _____

Project No: 14-091
Site Name: Woodbine Business Park
Location: Canada Dr, DeWitt State: NY
Sampler(s): Drew Brantner

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

Containers

Analysis

Check if chlorinated

- MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☒ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards: _____

G= Grab

C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic										
SC0058021	SS-79	12/2/14	1040	G	SO		1												
02	SS-81		1046																
03	SS-83		1052																
04	SS-84		1057																
05	SS-86		1103																
06	SS-80		1115																
07	SS-82		1121																
08	SS-85		1126																
09	SS-87		1132																
10	SS-88		1137																

Relinquished by:

Received by:

Date:

Time:

Temp °C

☒ EDD format:

☒ E-mail to:

Condition upon receipt:

Custody Seals:

☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen



CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3-DAY
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Rich McKenna

AECC

6308 Fly Road

East Syracuse, NY 13057

Telephone #: (315) 432-9400

Project Mgr. _____

Invoice To: Acct's Payable

Project No.: 14-091

Site Name: Woodbine Business Park

Location: Canada Dr, DeWitt State: NY

Sampler(s): Drew Brantner

P.O. No.: 14-091 RQN: _____

List preservative code below:

QA/QC Reporting Notes:

* additional charges may apply

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11=_____ 12=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

Containers:

Analyses:

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level

- ☒ Standard ☐ No QC ☐ DQA*
- ☐ NY ASP A* ☐ NY ASP B*
- ☐ NJ Reduced* ☐ NJ Full*
- ☐ TIER II* ☐ TIER IV*
- ☐ Other _____

State-specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses
<u>SC00580-11</u>	<u>SS-89</u>	<u>12/2/14</u>	<u>1148</u>	<u>G</u>	<u>SO</u>		<u>1</u>			<u>8082 PCBs</u>
<u>12</u>	<u>SS-90</u>		<u>1155</u>							
<u>13</u>	<u>SS-91</u>		<u>1202</u>							
<u>14</u>	<u>SS-92</u>		<u>1213</u>							
<u>15</u>	<u>SS-93</u>		<u>1219</u>							
<u>16</u>	<u>SS-94</u>		<u>1223</u>							
<u>17</u>	<u>SS-95</u>		<u>1230</u>							
<u>18</u>	<u>SS-96</u>		<u>1236</u>							
<u>19</u>	<u>SS-97</u>		<u>1247</u>							

Sorkhlet
Prep
(3540)

1.1/1.1 IR
12/2/14

5.10.5.1 IR

12/2/14

Relinquished by:

Received by:

Date:

Time:

Temp°C

☒ EDD Format PDF, Excel

☒ E-mail to rmckenna@aeccgroup.com

Condition upon receipt:

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen



Life Science Laboratories, Inc.

Rich McKenna
Asbestos & Environmental Consulting Corp
6308 Fly Road
East Syracuse, NY 13057

Phone: (315) 432-9400
FAX: (315) 432-9405
Authorization: PO#14-091

Laboratory Analysis Report

Prepared For

Asbestos & Environmental Consulting Corp

LSL Project ID: **1419581**

Receive Date/Time: 12/02/14 16:01

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc. This report may only be reproduced in its entirety. No partial duplication is allowed. The Chain of Custody and the Sample Receipt documents submitted with these samples are considered by LSL to be an appendix of this report and may contain specific information that pertains to the samples included in this report. The analytical result(s) in this report are only representative of the sample(s) submitted for analysis. LSL makes no claim of a sample's representativeness, or integrity, if sampling was not performed by LSL personnel.

LSL Central Lab
5854 Butternut Drive
East Syracuse, NY 13057
Tel. (315) 445-1900
Fax (315) 445-1104
NYS DOH ELAP #10248
PA DEP #68-2556

LSL North Lab
131 St. Lawrence Avenue
Waddington, NY 13694
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Fax (315) 388-4061
NYS DOH ELAP #10900

LSL Finger Lakes Lab
16 N. Main St., PO Box 424
Wayland, NY 14572
Tel. (585) 728-3320
Fax (585) 728-2711
NYS DOH ELAP #11667

LSL Southern Tier Office
Cuba, NY
Tel. (585) 209-4032

LSL MidLakes Office
Canandaigua, NY
Tel. (585) 728-3320

Reviewed by:

Date:

12/5/14

David J. Prichard, Director of Tech. Services

A copy of this report was sent to:

- - LABORATORY ANALYSIS REPORT - -

Asbestos & Environmental Consulting Corp East Syracuse, NY

Sample ID: SS-95d Grab LSL Sample ID: 1419581-001

Location:

Sampled: 12/02/14 13:46 Sampled By: DB

Sample Matrix: SHW Dry Wt

Analytical Method	Prep Method	Prep	Analysis	Analyst
Analyte	Result Units	Date	Date & Time	Initials
(1) EPA 8082A PCBs	EPA 3540			
Aroclor-1016	<0.02 mg/kg dry	12/4/14	12/5/14	CRT
Aroclor-1221	<0.02 mg/kg dry	12/4/14	12/5/14	CRT
Aroclor-1232	<0.02 mg/kg dry	12/4/14	12/5/14	CRT
Aroclor-1242	<0.02 mg/kg dry	12/4/14	12/5/14	CRT
Aroclor-1248	<0.02 mg/kg dry	12/4/14	12/5/14	CRT
Aroclor-1254	<0.02 mg/kg dry	12/4/14	12/5/14	CRT
Aroclor-1260	<0.02 mg/kg dry	12/4/14	12/5/14	CRT
Surrogate (DCB)	55 %R	12/4/14	12/5/14	CRT
(1) SM 2540 B-97,-11 Total Solids				
Total Solids @ 103-105 C	59 %	12/4/14	12/4/14	AIS

Analysis performed at: (1) LSL Central Lab, (2) LSL North Lab, (3) LSL Finger Lakes Lab

Life Science Laboratories, Inc.

Sample Receipt Checklist

LSL LIMS

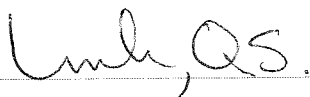
Project ID	1419581	Client ID:	AECC
Shipment Number	1	SRC Completed By:	RSD2
		Date:	12/2/2014 4:04:20 PM
COC Date/Time	Received By	Carrier	ShippingID
12/2/2014 4:01:00 PM	RSD2	Hand Delivered	
Shipping container/cooler in good condition?	Yes	Sample containers intact?	Yes
Custody seal intact on shipping container/cooler?	N/A	Sufficient sample volume for indicated test?	Yes
Custody seals intact on sample bottles?	N/A	All samples received within holding time?	Yes
Chain of Custody present?	Yes	Container/Temp Blank temperature in compliance?	No
COC signed when relinquished and received?	Yes	Water - VOA vials have zero headspace?	N/A
COC agrees with sample labels?	Yes	Water - pH acceptable upon receipt?	N/A
Samples in proper containers/bottles?	Yes	Water - HNO3 added to unpreserved metal sample(s) to a pH of <2?	N/A

Comments:

Receipt temp okay as per Client. RD 12/02/14

Corrective Action:

Reviewed By:



Printed: Wednesday, December 03, 2014

Page 1 of 1



Life Science Laboratories, Inc.

CHAIN OF CUSTODY RECORD

LSL Central Lab
5854 Butternut Drive
East Syracuse, NY 13057
Phone: (315) 445-1900
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Cuba, NY 14727
Phone: (585) 968-2640
Fax: (585) 968-0906
Email: lslstl@lsl-inc.com

1419581

AECC

6063

Report Address: Name: <u>Rich McKenna</u> Company: <u>AECC</u> Street: <u>6308 Fly Road</u> City/State: <u>East Syracuse, NY</u> Phone: <u>(315) 432-9400</u> Email: <u>rmckenna@aeccgroup.com</u> Client Project ID/Client Site ID: _____						Turnaround Time (Business Day) Normal <input type="checkbox"/> 10 DAY Pre-Authorized <input type="checkbox"/> Next Day* <input type="checkbox"/> 2-Day* <input type="checkbox"/> 3-Day* <input checked="" type="checkbox"/> 7-Day* *Additional Charges may apply Date Needed or Special Instructions: _____ Authorization or P.O. #: <u>14-091</u> LSL Project Number: _____					
Client's Sample Identifications	Sample Date	Sample Time	Type grab/comp	Matrix	Preserv Added	Containers #	size/type	Analyses	Preserv Check	LSL ID#	
SS-95d	12/2/14	1346	Grab	Soil		1	4oz Amber	8082 PCBs w/ Soxhlet Prep (3540) (20ppb reporting limit)		001	
[Large diagonal line across the table]											
LSL use only: * Receipt temp okay as per client. PD 12/2/14 Containers this C-O-C						Custody Transfers				Date	Time
Sampled By: <u>Drew Brantner</u>						Received By: _____					
Relinquished By: _____						Received By: _____					
Relinquished By: <u>Drew Brantner</u>						Rec'd for Lab By: <u>RC Dunbar</u>				12/2/14	16:01
Shipment Method: _____						Received Intact: Y N				Sample Temp	6.8°C

*** All areas of this Chain of Custody Record MUST be filled out in order to process samples in a timely manner IN PEN ONLY***

Report Date:
19-Dec-14 12:04



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

AECC Environmental Consulting
6308 Fly Road
East Syracuse, NY 13057
Attn: Rich McKenna

Project: Woodbine Business Park - Dewitt, NY
Project #: 14-091

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SC01291-01	CS-1 (1.5')	Soil	15-Dec-14 10:20	15-Dec-14 21:00
SC01291-02	CS-1 (2.5')	Soil	15-Dec-14 10:25	15-Dec-14 21:00
SC01291-03	SS-53 (1.5')	Soil	15-Dec-14 10:50	15-Dec-14 21:00
SC01291-04	SS-53 (2.5')	Soil	15-Dec-14 10:55	15-Dec-14 21:00
SC01291-05	SS-83 (1.5')	Soil	15-Dec-14 11:12	15-Dec-14 21:00
SC01291-06	SS-83 (2.5')	Soil	15-Dec-14 11:20	15-Dec-14 21:00
SC01291-07	SS-87 (1.5')	Soil	15-Dec-14 11:33	15-Dec-14 21:00
SC01291-08	SS-87 (2.5')	Soil	15-Dec-14 11:42	15-Dec-14 21:00
SC01291-09	SS-101	Soil	15-Dec-14 11:55	15-Dec-14 21:00
SC01291-10	SS-99	Soil	15-Dec-14 12:09	15-Dec-14 21:00
SC01291-11	SS-100	Soil	15-Dec-14 12:16	15-Dec-14 21:00
SC01291-12	SS-98	Soil	15-Dec-14 12:29	15-Dec-14 21:00
SC01291-13	SS-102	Soil	15-Dec-14 12:40	15-Dec-14 21:00
SC01291-14	SS-104	Soil	15-Dec-14 12:58	15-Dec-14 21:00
SC01291-15	SS-105	Soil	15-Dec-14 13:05	15-Dec-14 21:00
SC01291-16	SS-103	Soil	15-Dec-14 13:14	15-Dec-14 21:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 25 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, NJ-MA012, PA-68-04426 and FL-E87936).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

Data has been reported to the MDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the detection limit are reported as "<" (less than) the detection limit in this report.

The samples were received 5.5 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

SC01291-03 *SS-53 (1.5')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SC01291-04 *SS-53 (2.5')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SC01291-05 *SS-83 (1.5')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)

4,4-DB-Octafluorobiphenyl (Sr) [2C]

Decachlorobiphenyl (Sr)

Decachlorobiphenyl (Sr) [2C]

SC01291-06 *SS-83 (2.5')*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)

4,4-DB-Octafluorobiphenyl (Sr) [2C]

Decachlorobiphenyl (Sr)

Decachlorobiphenyl (Sr) [2C]

SC01291-10 *SS-99*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SW846 8082A

Samples:

SC01291-10 SS-99

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SC01291-16 SS-103

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

Sample Acceptance Check Form

Client: AECC Environmental Consulting
Project: Woodbine Business Park - Dewitt, NY / 14-091
Work Order: SC01291
Sample(s) received on: 12/15/2014

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were custody seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were samples received at a temperature of $\leq 6^{\circ}\text{C}$?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples cooled on ice upon transfer to laboratory representative?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were sample containers received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples accompanied by a Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did sample container labels agree with Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples received within method-specific holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Identification

SS-101

SC01291-09

Client Project #

14-091

Matrix

Soil

Collection Date/Time

15-Dec-14 11:55

Received

15-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
----------------	-------------------	---------------	-------------	--------------	-------------	------------	-----------------	--------------------	-----------------	-----------------	----------------	--------------	--------------

Semivolatile Organic Compounds by GC

Polychlorinated Biphenyls

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 22.4	U	µg/kg dry	24.0	22.4	1	SW846 8082A	17-Dec-14	18-Dec-14	IMR	1429590	X
11104-28-2	Aroclor-1221	< 20.4	U	µg/kg dry	24.0	20.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.5	U	µg/kg dry	24.0	21.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 10.7	U	µg/kg dry	24.0	10.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	61.1		µg/kg dry	24.0	13.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	64.7		µg/kg dry	24.0	15.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 17.1	U	µg/kg dry	24.0	17.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 13.0	U	µg/kg dry	24.0	13.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.6	U	µg/kg dry	24.0	23.6	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	80.6			%			1	SM2540 G Mod.	17-Dec-14	17-Dec-14	DT	1429604	
----------	------	--	--	---	--	--	---	---------------	-----------	-----------	----	---------	--

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

SS-99

SC01291-10

Client Project #

14-091

Matrix

Soil

Collection Date/Time

15-Dec-14 12:09

Received

15-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
----------------	-------------------	---------------	-------------	--------------	-------------	------------	-----------------	--------------------	-----------------	-----------------	----------------	--------------	--------------

Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 1350	U, D	µg/kg dry	1450	1350	50	SW846 8082A	17-Dec-14	18-Dec-14	IMR	1429590	X
11104-28-2	Aroclor-1221	< 1230	U, D	µg/kg dry	1450	1230	50	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1300	U, D	µg/kg dry	1450	1300	50	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 643	U, D	µg/kg dry	1450	643	50	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	49,100	D	µg/kg dry	1450	793	50	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	47,600	D	µg/kg dry	1450	863	50	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1040	U, D	µg/kg dry	1450	1040	50	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 785	U, D	µg/kg dry	1450	785	50	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1420	U, D	µg/kg dry	1450	1420	50	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	69.0	%					1	SM2540 G Mod.	17-Dec-14	17-Dec-14	DT	1429604	
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Sample Identification

SS-100

SC01291-11

Client Project #

14-091

Matrix

Soil

Collection Date/Time

15-Dec-14 12:16

Received

15-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 27.3	U	µg/kg dry	29.2	27.3	1	SW846 8082A	17-Dec-14	18-Dec-14	IMR	1429590	X
11104-28-2	Aroclor-1221	< 24.9	U	µg/kg dry	29.2	24.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 26.2	U	µg/kg dry	29.2	26.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 13.0	U	µg/kg dry	29.2	13.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	36.5		µg/kg dry	29.2	15.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	32.1		µg/kg dry	29.2	18.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.9	U	µg/kg dry	29.2	20.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 15.8	U	µg/kg dry	29.2	15.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 28.7	U	µg/kg dry	29.2	28.7	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	68.4	%					1	SM2540 G Mod.	17-Dec-14	17-Dec-14	DT	1429604	
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Sample Identification

SS-98

SC01291-12

Client Project #

14-091

Matrix

Soil

Collection Date/Time

15-Dec-14 12:29

Received

15-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 27.9	U	µg/kg dry	29.9	27.9	1	SW846 8082A	17-Dec-14	18-Dec-14	IMR	1429590	X
11104-28-2	Aroclor-1221	< 25.4	U	µg/kg dry	29.9	25.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 26.8	U	µg/kg dry	29.9	26.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 13.3	U	µg/kg dry	29.9	13.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	25.4	J	µg/kg dry	29.9	16.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	22.4	J	µg/kg dry	29.9	18.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.4	U	µg/kg dry	29.9	21.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 16.2	U	µg/kg dry	29.9	16.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 29.4	U	µg/kg dry	29.9	29.4	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	62.8	%					1	SM2540 G Mod.	17-Dec-14	17-Dec-14	DT	1429604	
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Sample Identification

SS-102

SC01291-13

Client Project #

14-091

Matrix

Soil

Collection Date/Time

15-Dec-14 12:40

Received

15-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 26.1	U	µg/kg dry	27.9	26.1	1	SW846 8082A	17-Dec-14	18-Dec-14	IMR	1429590	X
11104-28-2	Aroclor-1221	< 23.8	U	µg/kg dry	27.9	23.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.1	U	µg/kg dry	27.9	25.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.4	U	µg/kg dry	27.9	12.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	48.9		µg/kg dry	27.9	15.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	27.9		µg/kg dry	27.9	17.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.0	U	µg/kg dry	27.9	20.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 15.1	U	µg/kg dry	27.9	15.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 27.5	U	µg/kg dry	27.9	27.5	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	68.8			%			1	SM2540 G Mod.	17-Dec-14	17-Dec-14	DT	1429605	
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Sample Identification

SS-104

SC01291-14

Client Project #

14-091

Matrix

Soil

Collection Date/Time

15-Dec-14 12:58

Received

15-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 28.9	U	µg/kg dry	31.0	28.9	1	SW846 8082A	17-Dec-14	18-Dec-14	IMR	1429590	X
11104-28-2	Aroclor-1221	< 26.4	U	µg/kg dry	31.0	26.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 27.8	U	µg/kg dry	31.0	27.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 13.8	U	µg/kg dry	31.0	13.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 16.8	U	µg/kg dry	31.0	16.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 19.6	U	µg/kg dry	31.0	19.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.2	U	µg/kg dry	31.0	22.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 16.8	U	µg/kg dry	31.0	16.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 30.5	U	µg/kg dry	31.0	30.5	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	62.3	%					1	SM2540 G Mod.	17-Dec-14	17-Dec-14	DT	1429605	
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Sample Identification

SS-105

SC01291-15

Client Project #

14-091

Matrix

Soil

Collection Date/Time

15-Dec-14 13:05

Received

15-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 30.0	U	µg/kg dry	32.1	30.0	1	SW846 8082A	17-Dec-14	18-Dec-14	IMR	1429590	X
11104-28-2	Aroclor-1221	< 27.3	U	µg/kg dry	32.1	27.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 28.8	U	µg/kg dry	32.1	28.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 14.3	U	µg/kg dry	32.1	14.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 17.4	U	µg/kg dry	32.1	17.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.2	U	µg/kg dry	32.1	20.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.0	U	µg/kg dry	32.1	23.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 17.4	U	µg/kg dry	32.1	17.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 31.5	U	µg/kg dry	32.1	31.5	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	60.5	%					1	SM2540 G Mod.	17-Dec-14	17-Dec-14	DT	1429605	
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Sample Identification

SS-103

SC01291-16

Client Project #

14-091

Matrix

Soil

Collection Date/Time

15-Dec-14 13:14

Received

15-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 29.7	U	µg/kg dry	31.8	29.7	1	SW846 8082A	17-Dec-14	18-Dec-14	IMR	1429590	X
11104-28-2	Aroclor-1221	< 27.0	U	µg/kg dry	31.8	27.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 28.6	U	µg/kg dry	31.8	28.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 14.1	U	µg/kg dry	31.8	14.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 17.3	U	µg/kg dry	31.8	17.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.1	U	µg/kg dry	31.8	20.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.7	U	µg/kg dry	31.8	22.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 17.2	U	µg/kg dry	31.8	17.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 31.2	U	µg/kg dry	31.8	31.2	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	70			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	120			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	320	S02		30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	60.4	%					1	SM2540 G Mod.	17-Dec-14	17-Dec-14	DT	1429605	
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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1429590 - SW846 3540C										
Blank (1429590-BLK1)					Prepared: 17-Dec-14 Analyzed: 18-Dec-14					
Aroclor-1016	< 18.4	U	µg/kg wet	18.4						
Aroclor-1016 [2C]	< 12.8	U	µg/kg wet	12.8						
Aroclor-1221	< 16.8	U	µg/kg wet	16.8						
Aroclor-1221 [2C]	< 14.5	U	µg/kg wet	14.5						
Aroclor-1232	< 17.7	U	µg/kg wet	17.7						
Aroclor-1232 [2C]	< 15.2	U	µg/kg wet	15.2						
Aroclor-1242	< 8.76	U	µg/kg wet	8.76						
Aroclor-1242 [2C]	< 15.4	U	µg/kg wet	15.4						
Aroclor-1248	< 10.7	U	µg/kg wet	10.7						
Aroclor-1248 [2C]	< 10.8	U	µg/kg wet	10.8						
Aroclor-1254	< 12.4	U	µg/kg wet	12.4						
Aroclor-1254 [2C]	< 11.8	U	µg/kg wet	11.8						
Aroclor-1260	< 14.1	U	µg/kg wet	14.1						
Aroclor-1260 [2C]	< 18.7	U	µg/kg wet	18.7						
Aroclor-1262	< 10.7	U	µg/kg wet	10.7						
Aroclor-1262 [2C]	< 9.85	U	µg/kg wet	9.85						
Aroclor-1268	< 19.4	U	µg/kg wet	19.4						
Aroclor-1268 [2C]	< 18.9	U	µg/kg wet	18.9						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	10.8		µg/kg wet		19.7		55	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	11.8		µg/kg wet		19.7		60	30-150		
Surrogate: Decachlorobiphenyl (Sr)	11.8		µg/kg wet		19.7		60	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	12.8		µg/kg wet		19.7		65	30-150		
LCS (1429590-BS1)					Prepared: 17-Dec-14 Analyzed: 18-Dec-14					
Aroclor-1016	252		µg/kg wet	18.3	245		103	40-140		
Aroclor-1016 [2C]	239		µg/kg wet	12.7	245		98	40-140		
Aroclor-1260	218		µg/kg wet	14.0	245		89	40-140		
Aroclor-1260 [2C]	203		µg/kg wet	18.6	245		83	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	20.6		µg/kg wet		19.6		105	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	20.6		µg/kg wet		19.6		105	30-150		
Surrogate: Decachlorobiphenyl (Sr)	19.6		µg/kg wet		19.6		100	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	20.6		µg/kg wet		19.6		105	30-150		
LCS Dup (1429590-BSD1)					Prepared: 17-Dec-14 Analyzed: 18-Dec-14					
Aroclor-1016	254		µg/kg wet	18.1	242		105	40-140	2	30
Aroclor-1016 [2C]	236		µg/kg wet	12.6	242		97	40-140	0.4	30
Aroclor-1260	224		µg/kg wet	13.9	242		92	40-140	4	30
Aroclor-1260 [2C]	201		µg/kg wet	18.4	242		83	40-140	0	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	20.4		µg/kg wet		19.4		105	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	20.4		µg/kg wet		19.4		105	30-150		
Surrogate: Decachlorobiphenyl (Sr)	20.4		µg/kg wet		19.4		105	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	20.4		µg/kg wet		19.4		105	30-150		
Duplicate (1429590-DUP1)					Prepared: 17-Dec-14 Analyzed: 18-Dec-14					
Aroclor-1016	< 23.9	U	µg/kg dry	23.9		BRL				30
Aroclor-1016 [2C]	< 16.6	U	µg/kg dry	16.6		BRL				30
Aroclor-1221	< 21.7	U	µg/kg dry	21.7		BRL				30
Aroclor-1221 [2C]	< 18.8	U	µg/kg dry	18.8		BRL				30
Aroclor-1232	< 23.0	U	µg/kg dry	23.0		BRL				30
Aroclor-1232 [2C]	< 19.7	U	µg/kg dry	19.7		BRL				30
Aroclor-1242	< 11.4	U	µg/kg dry	11.4		BRL				30
Aroclor-1242 [2C]	< 19.9	U	µg/kg dry	19.9		BRL				30
Aroclor-1248	986		µg/kg dry	13.9		941			5	30

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1429590 - SW846 3540C										
<u>Duplicate (1429590-DUP1)</u>				<u>Source: SC01291-01</u>		<u>Prepared: 17-Dec-14 Analyzed: 18-Dec-14</u>				
Aroclor-1248 [2C]	977		µg/kg dry	14.0		976			0.2	30
Aroclor-1254	628		µg/kg dry	16.1		657			4	30
Aroclor-1254 [2C]	724		µg/kg dry	15.2		665			9	30
Aroclor-1260	62.6		µg/kg dry	18.3		60.9			3	30
Aroclor-1260 [2C]	60.0		µg/kg dry	24.2		54.6			10	30
Aroclor-1262	< 13.8	U	µg/kg dry	13.8		BRL				30
Aroclor-1262 [2C]	< 12.8	U	µg/kg dry	12.8		BRL				30
Aroclor-1268	< 25.1	U	µg/kg dry	25.1		BRL				30
Aroclor-1268 [2C]	< 24.5	U	µg/kg dry	24.5		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	24.3		µg/kg dry		25.5		95	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	25.5		µg/kg dry		25.5		100	30-150		
Surrogate: Decachlorobiphenyl (Sr)	24.3		µg/kg dry		25.5		95	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	26.8		µg/kg dry		25.5		105	30-150		
<u>Matrix Spike (1429590-MS1)</u>				<u>Source: SC01291-01</u>		<u>Prepared: 17-Dec-14 Analyzed: 18-Dec-14</u>				
Aroclor-1016	398		µg/kg dry	23.3	312	BRL	128	40-140		
Aroclor-1016 [2C]	387		µg/kg dry	16.2	312	BRL	124	40-140		
Aroclor-1260	258		µg/kg dry	17.9	312	60.9	63	40-140		
Aroclor-1260 [2C]	223		µg/kg dry	23.7	312	54.6	54	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	24.9		µg/kg dry		24.9		100	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	23.7		µg/kg dry		24.9		95	30-150		
Surrogate: Decachlorobiphenyl (Sr)	22.5		µg/kg dry		24.9		90	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	24.9		µg/kg dry		24.9		100	30-150		
<u>Matrix Spike Dup (1429590-MSD1)</u>				<u>Source: SC01291-01</u>		<u>Prepared: 17-Dec-14 Analyzed: 18-Dec-14</u>				
Aroclor-1016	408		µg/kg dry	23.9	320	BRL	128	40-140	0	30
Aroclor-1016 [2C]	410		µg/kg dry	16.6	320	BRL	128	40-140	3	30
Aroclor-1260	284		µg/kg dry	18.3	320	60.9	70	40-140	10	30
Aroclor-1260 [2C]	253		µg/kg dry	24.2	320	54.6	62	40-140	14	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	25.6		µg/kg dry		25.6		100	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	24.3		µg/kg dry		25.6		95	30-150		
Surrogate: Decachlorobiphenyl (Sr)	25.6		µg/kg dry		25.6		100	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	26.9		µg/kg dry		25.6		105	30-150		

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General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1429605 - General Preparation										
<u>Duplicate (1429605-DUP1)</u>				<u>Source: SC01291-13</u>		<u>Prepared & Analyzed: 17-Dec-14</u>				
% Solids	68.1		%			68.8			1	5
<u>Duplicate (1429605-DUP2)</u>				<u>Source: SC01291-14</u>		<u>Prepared & Analyzed: 17-Dec-14</u>				
% Solids	62.7		%			62.3			0.6	5

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Kimberly LaPlante

SC01291344



CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:

☐ Standard TAT - 7 to 10 business days

☒ Rush TAT - Date Needed: 3-DAY

All TATs subject to laboratory approval

Min. 24-hr notification needed for rushes

Samples disposed after 60 days unless otherwise instructed.

Report To: Rich McKenna
AECC
6308 Fly Road
East Syracuse, NY 13057
 Telephone #: (315) 432-9400
 Project Mgr: _____

Invoice To: Acct's Payable

 P.O. No.: 14-091 Quote/RQN: _____

Project No: 14-091
 Site Name: Woodbine Business Park
 Location: Canada Dr, Delbit State: NY
 Sampler(s): Drew Brantner

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

Containers

Analysis

G= Grab		C=Compsite		Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic										
Lab ID:	Sample ID:	Date:	Time:																
SC01291-4	CS-1 (1.5')	12/15/14	1020	G	S		1												
02	CS-1 (2.5')		1025																
03	SS-53 (1.5')		1050																
04	SS-53 (2.5')		1055																
05	SS-83 (1.5')		1112																
06	SS-83 (2.5')		1120																
07	SS-87 (1.5')		1133																
08	SS-87 (2.5')		1142																
09	SS-101		1155																
10	SS-99		1209																

Check if chlorinated

MA DEP MCP CAM Report? ☐ Yes ☐ No
 CT DPH RCP Report? ☐ Yes ☐ No

☒ Standard ☐ No QC

☐ DQA*

☐ ASP A*

☐ ASP B*

☐ NJ Reduced*

☐ NJ Full*

☐ Tier II*

☐ Tier IV*

☐ Other: _____
 State-specific reporting standards:

Soxhlet
 Prep
 (3540)

55.0 55 IR 3

Relinquished by:

Received by:

Date:

Time:

Temp °C

☒ EDD format:

PDF, Excel

☒ E-mail to:

rmckenna@aeccgroup.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SC01291304



CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:

☐ Standard TAT - 7 to 10 business days

☒ Rush TAT - Date Needed: 3-DAY

All TATs subject to laboratory approval

Min. 24-hr notification needed for rushes

Samples disposed after 60 days unless otherwise instructed.

Report To: Rich McKenna
AECC
10308 Fly Road
East Syracuse, NY 13057
 Telephone #: (315) 432-9400
 Project Mgr: _____

Invoice To: Acct's Payable

 P.O. No.: 14-091 Quote/RQN: _____

Project No: 14-091
 Site Name: Woodbine Business Park
 Location: Canada Dr, Delwitt State: NY
 Sampler(s): Drew Brintner

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

Containers

Analysis

Check if chlorinated

MA DEP MCP CAM Report? ☐ Yes ☐ NoCT DPH RCP Report? ☐ Yes ☐ No
☒ Standard ☐ No QC

☐ DQA*

☐ ASP A*

☐ ASP B*

☐ NJ Reduced*

☐ NJ Full*

☐ Tier II*

☐ Tier IV*

☐ Other: _____
 State-specific reporting standards:

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic										
SC01291-11	SS-100	12/15/14	1214	G	S		1												
12	SS-98		1229																
13	SS-102		1240																
14	SS-104		1258																
15	SS-105		1305																
16	SS-103		1314																

Schlet
 Prep
 (3540)

55.0, 55.1, 55.2

Relinquished by:

Received by:

Date:

Time:

Temp °C

☒ EDD format:

PDF, Excel

☒ E-mail to:

r.mckenna@aeccgroup.com

Condition upon receipt:

Custody Seals:

☐ Present

☐ Intact

☐ Broken

☐ Ambient

☒ Iced

☐ Refrigerated

☐ DI VOA Frozen

☐ Soil Jar Frozen

Report Date:
30-Dec-14 13:19



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

AECC Environmental Consulting
6308 Fly Road
East Syracuse, NY 13057
Attn: Rich McKenna

Project: Woodbine Business Park - Dewitt, NY
Project #: 14-091

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SC01671-01	SS-106	Soil	15-Dec-14 12:03	23-Dec-14 21:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 7 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, NJ-MA012, PA-68-04426 and FL-E87936).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

Data has been reported to the MDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the detection limit are reported as "<" (less than) the detection limit in this report.

The samples were received 3.4 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Acceptance Check Form

Client: AECC Environmental Consulting
Project: Woodbine Business Park - Dewitt, NY / 14-091
Work Order: SC01671
Sample(s) received on: 12/23/2014

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were custody seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were samples received at a temperature of $\leq 6^{\circ}\text{C}$?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples cooled on ice upon transfer to laboratory representative?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were sample containers received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples accompanied by a Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did sample container labels agree with Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples received within method-specific holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Identification

SS-106

SC01671-01

Client Project #

14-091

Matrix

Soil

Collection Date/Time

15-Dec-14 12:03

Received

23-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 24.2	U	µg/kg dry	25.9	24.2	1	SW846 8082A	26-Dec-14	30-Dec-14	IMR	1430210	X
11104-28-2	Aroclor-1221	< 22.0	U	µg/kg dry	25.9	22.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.2	U	µg/kg dry	25.9	23.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 11.5	U	µg/kg dry	25.9	11.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.1	U	µg/kg dry	25.9	14.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	76.3		µg/kg dry	25.9	15.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	< 24.5	U	µg/kg dry	25.9	24.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.0	U	µg/kg dry	25.9	14.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.4	U	µg/kg dry	25.9	25.4	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	115			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	74.3	%					1	SM2540 G Mod.	24-Dec-14	24-Dec-14	EEM	1430139	
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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1430210 - SW846 3540C										
<u>Blank (1430210-BLK1)</u>					<u>Prepared: 26-Dec-14 Analyzed: 29-Dec-14</u>					
Aroclor-1016	< 18.1	U	µg/kg wet	18.1						
Aroclor-1016 [2C]	< 12.6	U	µg/kg wet	12.6						
Aroclor-1221	< 16.5	U	µg/kg wet	16.5						
Aroclor-1221 [2C]	< 14.2	U	µg/kg wet	14.2						
Aroclor-1232	< 17.4	U	µg/kg wet	17.4						
Aroclor-1232 [2C]	< 14.9	U	µg/kg wet	14.9						
Aroclor-1242	< 8.62	U	µg/kg wet	8.62						
Aroclor-1242 [2C]	< 15.1	U	µg/kg wet	15.1						
Aroclor-1248	< 10.5	U	µg/kg wet	10.5						
Aroclor-1248 [2C]	< 10.6	U	µg/kg wet	10.6						
Aroclor-1254	< 12.2	U	µg/kg wet	12.2						
Aroclor-1254 [2C]	< 11.6	U	µg/kg wet	11.6						
Aroclor-1260	< 13.9	U	µg/kg wet	13.9						
Aroclor-1260 [2C]	< 18.4	U	µg/kg wet	18.4						
Aroclor-1262	< 10.5	U	µg/kg wet	10.5						
Aroclor-1262 [2C]	< 9.69	U	µg/kg wet	9.69						
Aroclor-1268	< 19.1	U	µg/kg wet	19.1						
Aroclor-1268 [2C]	< 18.6	U	µg/kg wet	18.6						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	15.5		µg/kg wet		19.4		80	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	17.4		µg/kg wet		19.4		90	30-150		
Surrogate: Decachlorobiphenyl (Sr)	15.5		µg/kg wet		19.4		80	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	16.5		µg/kg wet		19.4		85	30-150		
<u>LCS (1430210-BS1)</u>					<u>Prepared: 26-Dec-14 Analyzed: 30-Dec-14</u>					
Aroclor-1016	242		µg/kg wet	18.3	245		99	40-140		
Aroclor-1016 [2C]	216		µg/kg wet	12.7	245		88	40-140		
Aroclor-1260	207		µg/kg wet	14.0	245		84	40-140		
Aroclor-1260 [2C]	188		µg/kg wet	18.6	245		77	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	21.6		µg/kg wet		19.6		110	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	19.6		µg/kg wet		19.6		100	30-150		
Surrogate: Decachlorobiphenyl (Sr)	22.5		µg/kg wet		19.6		115	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	19.6		µg/kg wet		19.6		100	30-150		
<u>LCS Dup (1430210-BSD1)</u>					<u>Prepared: 26-Dec-14 Analyzed: 30-Dec-14</u>					
Aroclor-1016	241		µg/kg wet	18.3	245		98	40-140	0.4	30
Aroclor-1016 [2C]	212		µg/kg wet	12.7	245		86	40-140	2	30
Aroclor-1260	210		µg/kg wet	14.0	245		86	40-140	1	30
Aroclor-1260 [2C]	185		µg/kg wet	18.6	245		76	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	20.6		µg/kg wet		19.6		105	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	19.6		µg/kg wet		19.6		100	30-150		
Surrogate: Decachlorobiphenyl (Sr)	20.6		µg/kg wet		19.6		105	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	19.6		µg/kg wet		19.6		100	30-150		
<u>Duplicate (1430210-DUP1)</u>					<u>Source: SC01671-01 Prepared: 26-Dec-14 Analyzed: 29-Dec-14</u>					
Aroclor-1016	< 24.5	U	µg/kg dry	24.5		BRL				30
Aroclor-1016 [2C]	< 17.0	U	µg/kg dry	17.0		BRL				30
Aroclor-1221	< 22.3	U	µg/kg dry	22.3		BRL				30
Aroclor-1221 [2C]	< 19.3	U	µg/kg dry	19.3		BRL				30
Aroclor-1232	< 23.6	U	µg/kg dry	23.6		BRL				30
Aroclor-1232 [2C]	< 20.2	U	µg/kg dry	20.2		BRL				30
Aroclor-1242	< 11.7	U	µg/kg dry	11.7		BRL				30

This laboratory report is not valid without an authorized signature on the cover page.

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1430210 - SW846 3540C										
<u>Duplicate (1430210-DUP1)</u>				<u>Source: SC01671-01</u>				<u>Prepared: 26-Dec-14 Analyzed: 29-Dec-14</u>		
Aroclor-1242 [2C]	< 20.5	U	µg/kg dry	20.5		BRL				30
Aroclor-1248	< 14.3	U	µg/kg dry	14.3		BRL				30
Aroclor-1248 [2C]	< 14.4	U	µg/kg dry	14.4		BRL				30
Aroclor-1254	82.7		µg/kg dry	16.6		85.4			3	30
Aroclor-1254 [2C]	78.7		µg/kg dry	15.7		76.3			3	30
Aroclor-1260	19.7	J	µg/kg dry	18.8		BRL				30
Aroclor-1260 [2C]	< 24.9	U	µg/kg dry	24.9		BRL				30
Aroclor-1262	< 14.2	U	µg/kg dry	14.2		BRL				30
Aroclor-1262 [2C]	< 13.1	U	µg/kg dry	13.1		BRL				30
Aroclor-1268	< 25.8	U	µg/kg dry	25.8		BRL				30
Aroclor-1268 [2C]	< 25.2	U	µg/kg dry	25.2		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	28.9		µg/kg dry		26.2		110	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	30.2		µg/kg dry		26.2		115	30-150		
Surrogate: Decachlorobiphenyl (Sr)	28.9		µg/kg dry		26.2		110	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	28.9		µg/kg dry		26.2		110	30-150		
<u>Matrix Spike (1430210-MS1)</u>				<u>Source: SC01671-01</u>				<u>Prepared: 26-Dec-14 Analyzed: 29-Dec-14</u>		
Aroclor-1016	363		µg/kg dry	23.8	319	BRL	114	40-140		
Aroclor-1016 [2C]	354		µg/kg dry	16.5	319	BRL	111	40-140		
Aroclor-1260	333		µg/kg dry	18.3	319	BRL	104	40-140		
Aroclor-1260 [2C]	286		µg/kg dry	24.2	319	BRL	90	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	31.9		µg/kg dry		25.5		125	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	33.2		µg/kg dry		25.5		130	30-150		
Surrogate: Decachlorobiphenyl (Sr)	31.9		µg/kg dry		25.5		125	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	31.9		µg/kg dry		25.5		125	30-150		
<u>Matrix Spike Dup (1430210-MSD1)</u>				<u>Source: SC01671-01</u>				<u>Prepared: 26-Dec-14 Analyzed: 29-Dec-14</u>		
Aroclor-1016	376		µg/kg dry	24.2	323	BRL	116	40-140	2	30
Aroclor-1016 [2C]	357		µg/kg dry	16.8	323	BRL	110	40-140	0.4	30
Aroclor-1260	345		µg/kg dry	18.5	323	BRL	107	40-140	2	30
Aroclor-1260 [2C]	274		µg/kg dry	24.5	323	BRL	85	40-140	6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	33.6		µg/kg dry		25.9		130	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	32.3		µg/kg dry		25.9		125	30-150		
Surrogate: Decachlorobiphenyl (Sr)	32.3		µg/kg dry		25.9		125	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	32.3		µg/kg dry		25.9		125	30-150		

This laboratory report is not valid without an authorized signature on the cover page.

Notes and Definitions

J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor



Page 1 of 1

Samples disposed after 60 days unless otherwise instructed

Project No: 14-091
Site Name: Woodbine Business Park
Location: Canada Dr, DeWitt State: NY
Sampler(s): Drew Brantner

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen



Life Science Laboratories, Inc.

Rich McKenna
Asbestos & Environmental Consulting Corp
6308 Fly Road
East Syracuse, NY 13057

Phone: (315) 432-9400
FAX: (315) 432-9405

Laboratory Analysis Report

Prepared For

Asbestos & Environmental Consulting Corp

LSL Project ID: 1420290

Receive Date/Time: 12/16/14 8:40

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc. This report may only be reproduced in its entirety. No partial duplication is allowed. The Chain of Custody and the Sample Receipt documents submitted with these samples are considered by LSL to be an appendix of this report and may contain specific information that pertains to the samples included in this report. The analytical result(s) in this report are only representative of the sample(s) submitted for analysis. LSL makes no claim of a sample's representativeness, or integrity, if sampling was not performed by LSL personnel.

LSL Central Lab
5854 Butternut Drive
East Syracuse, NY 13057
Tel. (315) 445-1900
Fax (315) 445-1104
NYS DOH ELAP #10248
PA DEP #68-2556

LSL North Lab
131 St. Lawrence Avenue
Waddington, NY 13694
Tel. (315) 388-4476
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NYS DOH ELAP #10900

LSL Finger Lakes Lab
16 N. Main St., PO Box 424
Wayland, NY 14572
Tel. (585) 728-3320
Fax (585) 728-2711
NYS DOH ELAP #11667

LSL Southern Tier Office
Cuba, NY
Tel. (585) 209-4032

LSL MidLakes Office
Canandaigua, NY
Tel. (585) 728-3320

Reviewed by:

Date:

12/31/14

David J. Prichard, Director of Tech. Services

A copy of this report was sent to:

Page 1 of 2

Date Printed: 12/31/14

-- LABORATORY ANALYSIS REPORT --

Asbestos & Environmental Consulting Corp East Syracuse, NY

Sample ID: SS-105D Grab LSL Sample ID: 1420290-001

Location:

Sampled: 12/15/14 13:05 Sampled By: DB

Sample Matrix: SHW as Recd

Analytical Method	Prep Method	Prep	Analysis	Analyst
Analyte	Result Units	Date	Date & Time	Initials
(1) EPA 8082A PCBs	EPA 3540			
Aroclor-1016	<0.02 mg/kg	12/29/14	12/30/14	CRT
Aroclor-1221	<0.02 mg/kg	12/29/14	12/30/14	CRT
Aroclor-1232	<0.02 mg/kg	12/29/14	12/30/14	CRT
Aroclor-1242	<0.02 mg/kg	12/29/14	12/30/14	CRT
Aroclor-1248	<0.02 mg/kg	12/29/14	12/30/14	CRT
Aroclor-1254	<0.02 mg/kg	12/29/14	12/30/14	CRT
Aroclor-1260	<0.02 mg/kg	12/29/14	12/30/14	CRT
Surrogate (DCB)	29 %R	12/29/14	12/30/14	CRT

Surrogate recoveries for this analysis were below established control limits. Sample results may be biased low.

(1) SM 2540 B-97,-11 Total Solids

Total Solids @ 103-105 C

65 %

12/29/14 12/29/14

AIS

Analysis performed at: (1) LSL Central Lab, (2) LSL North Lab, (3) LSL Finger Lakes Lab

Life Science Laboratories, Inc.
CHAIN OF CUSTODY RECORD

ATTACHMENT C

LABORATORY ANALYSIS REPORTS – SOIL SAMPLING AT DEPTH

Report Date:
19-Dec-14 12:04



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

AECC Environmental Consulting
6308 Fly Road
East Syracuse, NY 13057
Attn: Rich McKenna

Project: Woodbine Business Park - Dewitt, NY
Project #: 14-091

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SC01291-01	CS-1 (1.5')	Soil	15-Dec-14 10:20	15-Dec-14 21:00
SC01291-02	CS-1 (2.5')	Soil	15-Dec-14 10:25	15-Dec-14 21:00
SC01291-03	SS-53 (1.5')	Soil	15-Dec-14 10:50	15-Dec-14 21:00
SC01291-04	SS-53 (2.5')	Soil	15-Dec-14 10:55	15-Dec-14 21:00
SC01291-05	SS-83 (1.5')	Soil	15-Dec-14 11:12	15-Dec-14 21:00
SC01291-06	SS-83 (2.5')	Soil	15-Dec-14 11:20	15-Dec-14 21:00
SC01291-07	SS-87 (1.5')	Soil	15-Dec-14 11:33	15-Dec-14 21:00
SC01291-08	SS-87 (2.5')	Soil	15-Dec-14 11:42	15-Dec-14 21:00
SC01291-09	SS-101	Soil	15-Dec-14 11:55	15-Dec-14 21:00
SC01291-10	SS-99	Soil	15-Dec-14 12:09	15-Dec-14 21:00
SC01291-11	SS-100	Soil	15-Dec-14 12:16	15-Dec-14 21:00
SC01291-12	SS-98	Soil	15-Dec-14 12:29	15-Dec-14 21:00
SC01291-13	SS-102	Soil	15-Dec-14 12:40	15-Dec-14 21:00
SC01291-14	SS-104	Soil	15-Dec-14 12:58	15-Dec-14 21:00
SC01291-15	SS-105	Soil	15-Dec-14 13:05	15-Dec-14 21:00
SC01291-16	SS-103	Soil	15-Dec-14 13:14	15-Dec-14 21:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 25 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

Data has been reported to the MDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the detection limit are reported as "<" (less than) the detection limit in this report.

The samples were received 5.5 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

SC01291-03 SS-53 (1.5')

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SC01291-04 SS-53 (2.5')

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SC01291-05 SS-83 (1.5')

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)

4,4-DB-Octafluorobiphenyl (Sr) [2C]

Decachlorobiphenyl (Sr)

Decachlorobiphenyl (Sr) [2C]

SC01291-06 SS-83 (2.5')

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)

4,4-DB-Octafluorobiphenyl (Sr) [2C]

Decachlorobiphenyl (Sr)

Decachlorobiphenyl (Sr) [2C]

SC01291-10 SS-99

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SW846 8082A

Samples:

SC01291-10 SS-99

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SC01291-16 SS-103

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

Sample Acceptance Check Form

Client: AECC Environmental Consulting
Project: Woodbine Business Park - Dewitt, NY / 14-091
Work Order: SC01291
Sample(s) received on: 12/15/2014

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were custody seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were samples received at a temperature of $\leq 6^{\circ}\text{C}$?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples cooled on ice upon transfer to laboratory representative?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were sample containers received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples accompanied by a Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did sample container labels agree with Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples received within method-specific holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Identification

CS-1 (1.5')

SC01291-01

Client Project #

14-091

Matrix

Soil

Collection Date/Time

15-Dec-14 10:20

Received

15-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 23.7	U	µg/kg dry	25.4	23.7	1	SW846 8082A	17-Dec-14	18-Dec-14	IMR	1429590	X
11104-28-2	Aroclor-1221	< 21.6	U	µg/kg dry	25.4	21.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.8	U	µg/kg dry	25.4	22.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 11.3	U	µg/kg dry	25.4	11.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	941		µg/kg dry	25.4	13.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	657		µg/kg dry	25.4	16.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	54.6		µg/kg dry	25.4	24.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 13.8	U	µg/kg dry	25.4	13.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.9	U	µg/kg dry	25.4	24.9	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	77.4	%					1	SM2540 G Mod.	17-Dec-14	17-Dec-14	DT	1429604	
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Sample Identification

CS-1 (2.5')

SC01291-02

Client Project #

14-091

Matrix

Soil

Collection Date/Time

15-Dec-14 10:25

Received

15-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 24.7	U	µg/kg dry	26.4	24.7	1	SW846 8082A	17-Dec-14	18-Dec-14	IMR	1429590	X
11104-28-2	Aroclor-1221	< 22.5	U	µg/kg dry	26.4	22.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.7	U	µg/kg dry	26.4	23.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 11.7	U	µg/kg dry	26.4	11.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	172		µg/kg dry	26.4	14.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	129		µg/kg dry	26.4	15.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 18.9	U	µg/kg dry	26.4	18.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.3	U	µg/kg dry	26.4	14.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 26.0	U	µg/kg dry	26.4	26.0	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	74.3		%				1	SM2540 G Mod.	17-Dec-14	17-Dec-14	DT	1429604	
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Sample Identification

SS-53 (1.5')

SC01291-03

Client Project #

14-091

Matrix

Soil

Collection Date/Time

15-Dec-14 10:50

Received

15-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 115	U, D	µg/kg dry	123	115	5	SW846 8082A	17-Dec-14	18-Dec-14	IMR	1429590	X
11104-28-2	Aroclor-1221	< 105	U, D	µg/kg dry	123	105	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 111	U, D	µg/kg dry	123	111	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.9	U, D	µg/kg dry	123	54.9	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	7,790	D	µg/kg dry	123	67.1	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	5,520	D	µg/kg dry	123	77.9	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 88.3	U, D	µg/kg dry	123	88.3	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.9	U, D	µg/kg dry	123	66.9	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 121	U, D	µg/kg dry	123	121	5	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	125			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	275	S02		30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	79.7	%					1	SM2540 G Mod.	17-Dec-14	17-Dec-14	DT	1429604	
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Sample Identification

SS-53 (2.5')

SC01291-04

Client Project #

14-091

Matrix

Soil

Collection Date/Time

15-Dec-14 10:55

Received

15-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 116	U, D	µg/kg dry	125	116	5	SW846 8082A	17-Dec-14	18-Dec-14	IMR	1429590	X
11104-28-2	Aroclor-1221	< 106	U, D	µg/kg dry	125	106	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 112	U, D	µg/kg dry	125	112	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.4	U, D	µg/kg dry	125	55.4	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	3,210	D	µg/kg dry	125	68.2	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,850	D	µg/kg dry	125	78.6	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 89.1	U, D	µg/kg dry	125	89.1	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 67.5	U, D	µg/kg dry	125	67.5	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 122	U, D	µg/kg dry	125	122	5	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	125			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	125			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	125			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	79.1	%					1	SM2540 G Mod.	17-Dec-14	17-Dec-14	DT	1429604	
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Sample Identification

SS-83 (1.5')

SC01291-05

Client Project #

14-091

Matrix

Soil

Collection Date/Time

15-Dec-14 11:12

Received

15-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 1120	U, D	µg/kg dry	1200	1120	50	SW846 8082A	17-Dec-14	18-Dec-14	IMR	1429590	X
11104-28-2	Aroclor-1221	< 1020	U, D	µg/kg dry	1200	1020	50	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1080	U, D	µg/kg dry	1200	1080	50	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 533	U, D	µg/kg dry	1200	533	50	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	38,900	D	µg/kg dry	1200	658	50	"	"	"	"	"	X
11097-69-1	Aroclor-1254	27,700	D	µg/kg dry	1200	757	50	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 859	U, D	µg/kg dry	1200	859	50	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 650	U, D	µg/kg dry	1200	650	50	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1180	U, D	µg/kg dry	1200	1180	50	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	80.6	%					1	SM2540 G Mod.	17-Dec-14	17-Dec-14	DT	1429604	
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Sample Identification

SS-83 (2.5')

SC01291-06

Client Project #

14-091

Matrix

Soil

Collection Date/Time

15-Dec-14 11:20

Received

15-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated Biphenyls

GS1

Prepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 2360	U, D	µg/kg dry	2530	2360	100	SW846 8082A	17-Dec-14	18-Dec-14	IMR	1429590	X
11104-28-2	Aroclor-1221	< 2150	U, D	µg/kg dry	2530	2150	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 2270	U, D	µg/kg dry	2530	2270	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1120	U, D	µg/kg dry	2530	1120	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	177,000	D	µg/kg dry	2530	1380	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254	120,000	D	µg/kg dry	2530	1590	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1810	U, D	µg/kg dry	2530	1810	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1370	U, D	µg/kg dry	2530	1370	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 2480	U, D	µg/kg dry	2530	2480	100	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	0	S01, U		30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	0	S01, U		30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	77.1	%					1	SM2540 G Mod.	17-Dec-14	17-Dec-14	DT	1429604	
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Sample Identification

SS-87 (1.5')

SC01291-07

Client Project #

14-091

Matrix

Soil

Collection Date/Time

15-Dec-14 11:33

Received

15-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 26.2	U	µg/kg dry	28.0	26.2	1	SW846 8082A	17-Dec-14	18-Dec-14	IMR	1429590	X
11104-28-2	Aroclor-1221	< 23.9	U	µg/kg dry	28.0	23.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 25.2	U	µg/kg dry	28.0	25.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 12.5	U	µg/kg dry	28.0	12.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	2,680		µg/kg dry	28.0	15.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	2,070		µg/kg dry	28.0	16.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	130		µg/kg dry	28.0	26.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 15.2	U	µg/kg dry	28.0	15.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 27.6	U	µg/kg dry	28.0	27.6	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	70.9			%			1	SM2540 G Mod.	17-Dec-14	17-Dec-14	DT	1429604	
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Sample Identification

SS-87 (2.5')

SC01291-08

Client Project #

14-091

Matrix

Soil

Collection Date/Time

15-Dec-14 11:42

Received

15-Dec-14

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 24.1	U	µg/kg dry	25.8	24.1	1	SW846 8082A	17-Dec-14	18-Dec-14	IMR	1429590	X
11104-28-2	Aroclor-1221	< 21.9	U	µg/kg dry	25.8	21.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.2	U	µg/kg dry	25.8	23.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 11.5	U	µg/kg dry	25.8	11.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	106		µg/kg dry	25.8	14.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	67.0		µg/kg dry	25.8	16.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 18.4	U	µg/kg dry	25.8	18.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14.0	U	µg/kg dry	25.8	14.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 25.3	U	µg/kg dry	25.8	25.3	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	76.2		%				1	SM2540 G Mod.	17-Dec-14	17-Dec-14	DT	1429604	
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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1429590 - SW846 3540C										
Blank (1429590-BLK1)					Prepared: 17-Dec-14 Analyzed: 18-Dec-14					
Aroclor-1016	< 18.4	U	µg/kg wet	18.4						
Aroclor-1016 [2C]	< 12.8	U	µg/kg wet	12.8						
Aroclor-1221	< 16.8	U	µg/kg wet	16.8						
Aroclor-1221 [2C]	< 14.5	U	µg/kg wet	14.5						
Aroclor-1232	< 17.7	U	µg/kg wet	17.7						
Aroclor-1232 [2C]	< 15.2	U	µg/kg wet	15.2						
Aroclor-1242	< 8.76	U	µg/kg wet	8.76						
Aroclor-1242 [2C]	< 15.4	U	µg/kg wet	15.4						
Aroclor-1248	< 10.7	U	µg/kg wet	10.7						
Aroclor-1248 [2C]	< 10.8	U	µg/kg wet	10.8						
Aroclor-1254	< 12.4	U	µg/kg wet	12.4						
Aroclor-1254 [2C]	< 11.8	U	µg/kg wet	11.8						
Aroclor-1260	< 14.1	U	µg/kg wet	14.1						
Aroclor-1260 [2C]	< 18.7	U	µg/kg wet	18.7						
Aroclor-1262	< 10.7	U	µg/kg wet	10.7						
Aroclor-1262 [2C]	< 9.85	U	µg/kg wet	9.85						
Aroclor-1268	< 19.4	U	µg/kg wet	19.4						
Aroclor-1268 [2C]	< 18.9	U	µg/kg wet	18.9						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	10.8		µg/kg wet		19.7		55	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	11.8		µg/kg wet		19.7		60	30-150		
Surrogate: Decachlorobiphenyl (Sr)	11.8		µg/kg wet		19.7		60	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	12.8		µg/kg wet		19.7		65	30-150		
LCS (1429590-BS1)					Prepared: 17-Dec-14 Analyzed: 18-Dec-14					
Aroclor-1016	252		µg/kg wet	18.3	245		103	40-140		
Aroclor-1016 [2C]	239		µg/kg wet	12.7	245		98	40-140		
Aroclor-1260	218		µg/kg wet	14.0	245		89	40-140		
Aroclor-1260 [2C]	203		µg/kg wet	18.6	245		83	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	20.6		µg/kg wet		19.6		105	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	20.6		µg/kg wet		19.6		105	30-150		
Surrogate: Decachlorobiphenyl (Sr)	19.6		µg/kg wet		19.6		100	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	20.6		µg/kg wet		19.6		105	30-150		
LCS Dup (1429590-BSD1)					Prepared: 17-Dec-14 Analyzed: 18-Dec-14					
Aroclor-1016	254		µg/kg wet	18.1	242		105	40-140	2	30
Aroclor-1016 [2C]	236		µg/kg wet	12.6	242		97	40-140	0.4	30
Aroclor-1260	224		µg/kg wet	13.9	242		92	40-140	4	30
Aroclor-1260 [2C]	201		µg/kg wet	18.4	242		83	40-140	0	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	20.4		µg/kg wet		19.4		105	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	20.4		µg/kg wet		19.4		105	30-150		
Surrogate: Decachlorobiphenyl (Sr)	20.4		µg/kg wet		19.4		105	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	20.4		µg/kg wet		19.4		105	30-150		
Duplicate (1429590-DUP1)					Prepared: 17-Dec-14 Analyzed: 18-Dec-14					
Aroclor-1016	< 23.9	U	µg/kg dry	23.9		BRL				30
Aroclor-1016 [2C]	< 16.6	U	µg/kg dry	16.6		BRL				30
Aroclor-1221	< 21.7	U	µg/kg dry	21.7		BRL				30
Aroclor-1221 [2C]	< 18.8	U	µg/kg dry	18.8		BRL				30
Aroclor-1232	< 23.0	U	µg/kg dry	23.0		BRL				30
Aroclor-1232 [2C]	< 19.7	U	µg/kg dry	19.7		BRL				30
Aroclor-1242	< 11.4	U	µg/kg dry	11.4		BRL				30
Aroclor-1242 [2C]	< 19.9	U	µg/kg dry	19.9		BRL				30
Aroclor-1248	986		µg/kg dry	13.9		941			5	30

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1429590 - SW846 3540C										
<u>Duplicate (1429590-DUP1)</u>				<u>Source: SC01291-01</u>		<u>Prepared: 17-Dec-14 Analyzed: 18-Dec-14</u>				
Aroclor-1248 [2C]	977		µg/kg dry	14.0		976			0.2	30
Aroclor-1254	628		µg/kg dry	16.1		657			4	30
Aroclor-1254 [2C]	724		µg/kg dry	15.2		665			9	30
Aroclor-1260	62.6		µg/kg dry	18.3		60.9			3	30
Aroclor-1260 [2C]	60.0		µg/kg dry	24.2		54.6			10	30
Aroclor-1262	< 13.8	U	µg/kg dry	13.8		BRL				30
Aroclor-1262 [2C]	< 12.8	U	µg/kg dry	12.8		BRL				30
Aroclor-1268	< 25.1	U	µg/kg dry	25.1		BRL				30
Aroclor-1268 [2C]	< 24.5	U	µg/kg dry	24.5		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	24.3		µg/kg dry		25.5		95	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	25.5		µg/kg dry		25.5		100	30-150		
Surrogate: Decachlorobiphenyl (Sr)	24.3		µg/kg dry		25.5		95	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	26.8		µg/kg dry		25.5		105	30-150		
<u>Matrix Spike (1429590-MS1)</u>				<u>Source: SC01291-01</u>		<u>Prepared: 17-Dec-14 Analyzed: 18-Dec-14</u>				
Aroclor-1016	398		µg/kg dry	23.3	312	BRL	128	40-140		
Aroclor-1016 [2C]	387		µg/kg dry	16.2	312	BRL	124	40-140		
Aroclor-1260	258		µg/kg dry	17.9	312	60.9	63	40-140		
Aroclor-1260 [2C]	223		µg/kg dry	23.7	312	54.6	54	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	24.9		µg/kg dry		24.9		100	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	23.7		µg/kg dry		24.9		95	30-150		
Surrogate: Decachlorobiphenyl (Sr)	22.5		µg/kg dry		24.9		90	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	24.9		µg/kg dry		24.9		100	30-150		
<u>Matrix Spike Dup (1429590-MSD1)</u>				<u>Source: SC01291-01</u>		<u>Prepared: 17-Dec-14 Analyzed: 18-Dec-14</u>				
Aroclor-1016	408		µg/kg dry	23.9	320	BRL	128	40-140	0	30
Aroclor-1016 [2C]	410		µg/kg dry	16.6	320	BRL	128	40-140	3	30
Aroclor-1260	284		µg/kg dry	18.3	320	60.9	70	40-140	10	30
Aroclor-1260 [2C]	253		µg/kg dry	24.2	320	54.6	62	40-140	14	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	25.6		µg/kg dry		25.6		100	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	24.3		µg/kg dry		25.6		95	30-150		
Surrogate: Decachlorobiphenyl (Sr)	25.6		µg/kg dry		25.6		100	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	26.9		µg/kg dry		25.6		105	30-150		

This laboratory report is not valid without an authorized signature on the cover page.

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1429605 - General Preparation										
<u>Duplicate (1429605-DUP1)</u>				<u>Source: SC01291-13</u>		<u>Prepared & Analyzed: 17-Dec-14</u>				
% Solids	68.1		%			68.8			1	5
<u>Duplicate (1429605-DUP2)</u>				<u>Source: SC01291-14</u>		<u>Prepared & Analyzed: 17-Dec-14</u>				
% Solids	62.7		%			62.3			0.6	5

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Kimberly LaPlante

SC01291JUH



CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:

☐ Standard TAT - 7 to 10 business days☒ Rush TAT - Date Needed: 3-DAY

All TATs subject to laboratory approval

Min. 24-hr notification needed for rushes

Samples disposed after 60 days unless otherwise instructed.

Report To: Rich McKenna
AECC
6308 Fly Road
East Syracuse, NY 13057
 Telephone #: (315) 432-9400
 Project Mgr: _____

Invoice To: Acet's Payable

 P.O No.: 14-091 Quote/RQN: _____

Project No: 14-091
 Site Name: Woodbine Business Park
 Location: Canada Dr, Delwith State: NY
 Sampler(s): Drew Brantner

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

QA/QC Reporting Notes:

* additional charges may apply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

Containers

Analysis

Check if chlorinated

MA DEP MCP CAM Report? ☐ Yes ☐ No
 CT DPH RCP Report? ☐ Yes ☐ No

☒ Standard ☐ No QC
☐ DQA*

☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*

☐ Other: _____
 State-specific reporting standards: _____

G= Grab

C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082 PCBs									
SC01291-J	CS-1 (1.5')	12/15/14	1020	G	S		1			X									
02	CS-1 (2.5')		1025																
03	SS-53 (1.5')		1050																
04	SS-53 (2.5')		1055																
05	SS-83 (1.5')		1112																
06	SS-83 (2.5')		1120																
07	SS-87 (1.5')		1133																
08	SS-87 (2.5')		1142																
09	SS-101		1155																
10	SS-99		1209																

Soxhlet
 Prep
 (3540)

55.0 55 IR 3

Relinquished by:

Received by:

Date:

Time:

Temp °C

☒ EDD format:

PDF, Excel

☒ E-mail to:

rmckenna@aeccgroup.com

Condition upon receipt:

Custody Seals:

☐ Present☐ Intact☐ Broken☐ Ambient☒ Iced☐ Refrigerated☐ DI VOA Frozen☐ Soil Jar Frozen

