PART A – SECTION III.1

PRIOR INVESTIGATION REPORT

PCBs IN SURFACE SOILS REPORT

BROWNFIELD APPLICATION AREA

NYSDEC SPILL FILE NUMBER 13-00433

Woodbine Business Park
Canada Drive
Town of Dewitt, New York

May 11, 2016

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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 12.47-acre parcel of the larger Woodbine Business Park that is to be the subject of a Brownfield Cleanup Program Application. Note that when referencing the subject site (parcel), it will hereafter be referenced as the "Site", while the business park in its entirety will be referenced as the "Park". The Site is located along Loucks Road and Canada Drive in the Town of Dewitt, New York.

1.1 PURPOSE

The purpose of the investigation was to evaluate the extent of PCB-impacted surface soils, which had been previously identified in topsoil that potentially originated at the Park (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 Park (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 Park 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 Park (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 Park (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.

AECC duplicated the CES sampling event, and the PCB Aroclor-1248 was detected in all four of the samples collected, ranging 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.

The following section (Section 2 – Soil Sampling Events) details the subsequent sampling that has occurred at the Site in an effort to determine the nature and extent of possible 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 in the southern portion) 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. The soil tended to be a tan sandy loam, particularly sandy on the southern portion of the Site, with some areas of darker coloration in the lightly forested areas.

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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 May 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).

The complete laboratory analysis reports are presented as Appendix A.

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 (soil immediately beneath the vegetative layer). 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. (now Eurofins Spectrum Analytical, Inc., and hereafter referred to as "Spectrum"), an ELAP and NVLAP certified laboratory, for analysis of PCBs via USEPA SW-846 Method 8082 (PCB Aroclors) with Soxhlet prep. Duplicate samples were collected at a rate of approximately one duplicate for every 20 samples, and were submitted to Life Science Laboratories, Inc. (hereafter referred to as "LSL") 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 SOIL PILE SAMPLING – MAY 2013

Two soil piles that were created during site development activities currently exist at the Park: a large soil pile located on-Site along Loucks Road Extension (Soil Pile #2), and a small soil pile located off-Site 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.

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

PCBs were detected in nine of the ten samples collected from Soil Pile #2. No PCBs were detected in sample SP2-10.

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Sample SP2-03 had a total PCB concentration of 0.0802 ppm (0.0648 ppm Aroclor-1248 and 0.0154 ppm Aroclor-1260), which is less than the Unrestricted SCO value of 0.1 ppm for total PCBs.

Each of the remaining eight (8) samples from Soil Pile #2 had a concentration of total PCBs greater than the Unrestricted SCO value of 0.1 ppm. Sample SP2-08 had the greatest concentration of total PCBs (25.673 ppm) and is the only sample from Soil Pile #2 that exhibited PCB concentrations greater than the Industrial Use SCO. The results of the sampling of Soil Pile 2 are included in Table 1.

2.3 SURFACE SOIL SAMPLING – EARLY OCTOBER 2014

On October 7, 2014, AECC personnel performed surface soil sampling in a grid layout at the Site. A total of thirty (30) surface soil samples (identified as SS-37 thru SS-66) were collected from the Site as a part of the grid sampling plan during this sampling event. In addition, four (4) samples adjacent to Loucks road (separate from the grid layout) were collected as a part of this sampling event (these samples are identified as Road 1 through Road 4).

Of the thirty-four (34) total samples collected during this sampling event, PCBs were not detected in eight (8) of the samples (SS-48, SS-56, SS-58, SS-60, SS-61, SS-62, SS-64, SS-66).

PCBs were detected, but at a concentration below the Unrestricted SCO value of 0.1 ppm, from eight (8) of the samples collected during this sampling event (SS-40, SS-47, SS-55, SS-57, SS-63, SS-65, Road 2, and Road 4).

The remaining eighteen (18) samples collected during this sampling event contained PCBs greater than the Unrestricted SCO value of 0.1 ppm. The total concentration of PCBs detected in these eighteen samples are summarized in the table below:

PCB Aroclor	CAS Number	SS-37	SS-38	SS-39	SS-41	SS-42	SS-43	SS-44	SS-45	SS-46
		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	54.3	44.8	0.207	19.7	7.46	0.112	0.0451	17.3	0.194
Aroclor-1254	11097-69-1	46	39.3	0.487	17.4	7.4	0.117	0.123	18.3	0.333
Aroclor-1260	11096-82-5	4.08	3.33	0.0771	1.43	0.616	0.0456	0.0263	1.52	0.0603
Total PCBs		104.38	87.43	0.7711	38.53	15.476	0.2746	0.1944	37.12	0.5873

PCB Aroclor	CAS Number	SS-49	SS-50	SS-51	SS-52	SS-53	SS-54	SS-59	Road 1	Road 3
		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	32.3	0.0695	78	25.3	98.1	0.0557	0.619	0.164	0.0537
Aroclor-1254	11097-69-1	53.1	0.0947	54.5	37.5	93.1	0.0792	0.974	0.217	0.0995
Aroclor-1260	11096-82-5	5.11	0.0276	5.44	3.72	6.64	BRL	0.0875	0.03	BRL
Total PCBs		90.51	0.1918	137.94	66.52	197.84	0.1349	1.6805	0.411	0.1532

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

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 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)

AECC submitted two duplicate samples (identified as SS-40d and SS60d) to LSL for analysis as Quality assurance/control. LSL did not detect PCBs in either of these two samples, which generally confirmed the Spectrum results.

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2.4 FOLLOW-UP / ADDITIONAL SURFACE SOIL SAMPLING – LATE OCTOBER 2014

On October 29, 2014, AECC personnel performed additional surface soil sampling at locations interspersed within the prior grid layout in an effort to more accurately determine the extent of PCB contamination. An additional twelve (12) surface soils samples were collected as a part of this sampling event (identified as SS-67 through SS-78).

Of the twelve additional samples collected during this sampling event, six (6) samples had no PCBs detected by laboratory analysis (SS-68, SS-69, SS-70, SS-71, SS-77, and SS-78).

PCBs were detected, but at a concentration below the Unrestricted SCO value of 0.1 ppm, from two (2) of the samples collected during this sampling event (SS-72 and SS-74).

The remaining four (4) samples collected during this event contained PCBs greater than the Unrestricted SCO value of 0.1 ppm. The total concentration of PCBs detected in these four samples is summarized in the table below:

PCB Aroclor	CAS Number	SS-67	SS-73	SS-75	SS-75d	SS-76
		10/29/2014	10/29/2014	10/29/2014	10/29/2014	10/29/2014
Aroclor-1248	12672-29-6	61.3	BRL	BRL	6.9	2.69
Aroclor-1254	11097-69-1	56.4	0.516	1.28	BRL	2.63
Aroclor-1260	11096-82-5	3.37	0.0518	0.0883	BRL	0.203
Total PCBs		121.07	0.5678	1.3683	6.9	5.523

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

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 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)

Additionally, as represented on the table above, a duplicate sample was submitted to LSL for analysis (identified as SS-75d). The results were in the same order-of-magnitude as the Spectrum result.

2.5 FOLLOW-UP / ADDITIONAL SURFACE SOIL SAMPLING – EARLY DECEMBER 2014

On December 2, 2014, AECC personnel performed further delineation sampling at the Site. An additional eighteen (18) samples (identified as SS-79 through SS-96) were collected as a part of this sampling event.

According to laboratory analysis, of the eighteen (18) samples collected as a part of this sampling event, only one (1) sample did not contain PCBs (SS-79).

PCBs were detected, but at a concentration below the Unrestricted SCO value of 0.1 ppm, from four (4) of the samples collected during this event (SS-93, SS-94, SS-95, and SS-96).

The remaining thirteen (13) samples collected contained PCBs greater than the Unrestricted SCO value of 0.1 ppm. The total concentration of PCBs detected in these thirteen samples is summarized in the table below:

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PCB Aroclor	CAS Number	SS-80	SS-81	SS-82	SS-83	SS-84	SS-85	SS-86
		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	0.0798	BRL	184	2440	0.271	BRL	42
Aroclor-1254	11097-69-1	0.102	13.5	172	1840	BRL	1.11	33.1
Aroclor-1260	11096-82-5	BRL	0.818	11.7	124	BRL	0.0943	2.72
Total PCBs		0.1818	14.318	367.7	4404	0.271	1.2043	77.82

PCB Aroclor	CAS Number	SS-87	SS-88	SS-89	SS-90	SS-91	SS-92
		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	2.43	0.11	BRL	0.116
Aroclor-1254	11097-69-1	3.29	2.66	2.56	0.207	0.907	0.101
Aroclor-1260	11096-82-5	0.207	0.147	0.185	0.0318	0.0952	BRL
Total PCBs		3.497	2.807	5.175	0.3488	1.0022	0.217

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

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 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)

AECC submitted one duplicate sample (identified as SS-95d) to Life Science Laboratory for analysis as Quality assurance/control. LSL did not detect PCBs in the sample, which generally confirmed the Spectrum result.

2.6 ADDITIONAL SURFACE SOIL SAMPLING AND DEPTH SAMPLING – MID-DECEMBER 2014

On December 15, 2014, AECC personnel performed further delineation (surface soil) sampling at the Site. In addition, AECC personnel collected soil samples from depth at four locations in an effort to begin determining a vertical profile of the PCB contamination. In total, an additional five (5) surface soil samples (identified as SS-98 through SS-101, and SS-106) and a total of eight (8) samples from depth were collected (four from 1.5 feet below ground surface and four from 2.5 feet below ground surface at locations CS-1, SS-53, SS-83, and SS-87).

PCBs were detected in all of the samples collected during this sampling event.

PCBs were detected, but at a concentration below the Unrestricted SCO value of 0.1 ppm, from three (3) of the surface soil samples collected during this event (SS-98, SS-100, and SS-106).

The remaining two (2) surface soil samples collected contained PCBs greater than the Unrestricted SCO value of 0.1 ppm. The total concentration of PCBs detected in these two samples is summarized in the table below:

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PCB Aroclor	CAS Number	SS-99	SS-101
		12/15/2014	12/15/2014
Aroclor-1248	12672-29-6	49.1	0.0611
Aroclor-1254	11097-69-1	47.6	0.0647
Aroclor-1260	11096-82-5	BRL	BRL
Total PCBs		96.7	0.1258

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

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 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)

PCBs were detected above the Unrestricted SCO value of 0.1 ppm in all of the samples collected from depth at each of the four unique locations. The results revealed a general trend of decreasing PCB concentrations with additional depth, and are summarized in the tables below:

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

Depth of Sample	CS-1		SS-53		SS-83		SS-87	
	4/8/2013	12/15/2014	10/7/2014	12/15/2014	12/2/2014	12/15/2014	12/2/2014	12/15/2014
"Surface" (~0.5' bgs)	34.4	-	197.84	-	4404	-	3.497	-
1.5' bgs	-	1.6526	-	13.31	-	66.6	-	4.88
2.5' bgs	-	0.301	-	6.06	-	297	-	0.173

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

All concetrations represent the total PCBs detected within the sample

bgs - below ground surface

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)

3.0 CONCLUSIONS

Based on the results of the sampling events, AECC presents the following conclusions:

- PCBs are present in the soil pile currently stored at the Site. Nine (9) of ten (10) grab samples collected from the soil pile contained PCBs, and eight (8) of them contained PCBs at a concentration greater than the Unrestricted use SCO of 0.1 ppm.
- Significant PCB contamination is present in surface soils at the Site, primarily in the center of the Site. The extent of surface soil contamination has been roughly delineated.
- Limited sampling of subsurface soils (to 2.5 feet below ground surface) indicates that contamination exists to a depth of 2.5 feet (and potentially greater) at locations where depth samples were collected. There was a general trend of decreasing PCB concentrations with additional depth.

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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

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FIGURES

Sample Location	Date	Total PCBs (ppm)
SS-37	10/07/14	104.38
SS-38	10/07/14	87.43
SS-39	10/07/14	0.77
SS-40	10/07/14	0.04
SS-40d	10/07/14	0.00
SS-41	10/07/14	38.53
SS-42	10/07/14	15.48
SS-43	10/07/14	0.27
SS-44	10/07/14	0.19
SS-45	10/07/14	37.12
SS-46	10/07/14	0.59
SS-47	10/07/14	0.02
SS-49	10/07/14	90.51
SS-50	10/07/14	0.19
SS-51	10/07/14	137.94
SS-52	10/07/14	66.52
SS-53	10/07/14	197.84
SS-54	10/07/14	0.13
SS-55	10/07/14	0.04
SS-57	10/07/14	0.03
SS-59	10/07/14	1.68
SS-63	10/07/14	0.09
SS-65	10/07/14	0.07
SS-67	10/29/14	121.07
SS-72	10/29/14	0.05
SS-73	10/29/14	0.57
SS-74	10/29/14	0.02
SS-75	10/29/14	1.37
SS-75d	10/29/14	6.90
SS-76	10/29/14	5.52
SS-80	12/02/14	0.18
SS-81	12/02/14	14.32
SS-82	12/02/14	367.7
SS-83	12/02/14	4,404
SS-84	12/02/14	0.27
SS-85	12/02/14	1.20
SS-86	12/02/14	77.82
SS-87	12/02/14	3.50
SS-88	12/02/14	2.81
SS-89	12/02/14	5.18
SS-90	12/02/14	0.35
SS-91	12/02/14	1.00
SS-92	12/02/14	0.22
SS-93	12/02/14	0.03
SS-94	12/02/14	0.0985

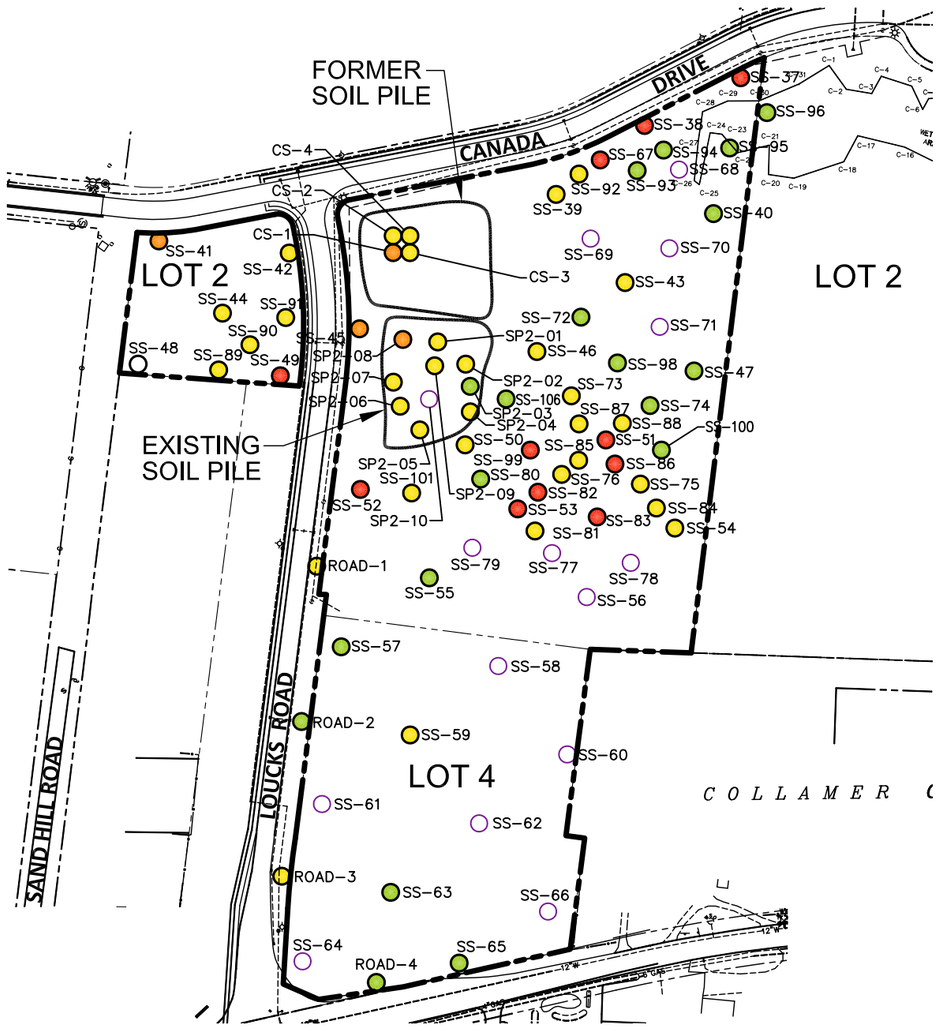
Sample Location	Date	Total PCBs (ppm)
SS-95	12/02/14	0.03
SS-95d	12/02/14	0.00
SS-96	12/02/14	0.03
SS-98	12/15/14	0.05
SS-99	12/15/14	96.7
SS-100	12/15/14	0.07
SS-101	12/15/14	0.13
SS-106	12/15/14	0.08

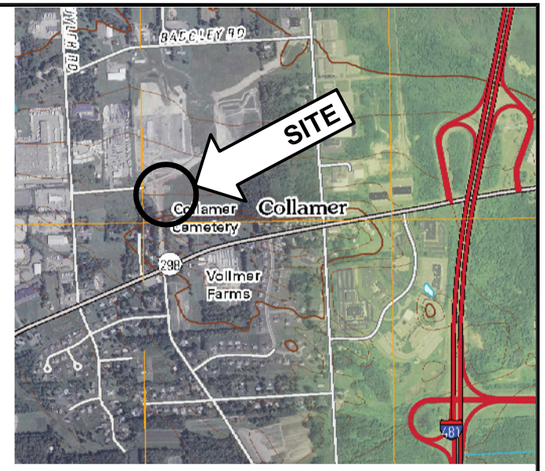
Sample Location	Date	Total PCBs (ppm)
SP2-01	05/31/13	9.072
SP2-02	05/31/13	0.110
SP2-03	05/31/13	0.0802
SP2-04	05/31/13	0.271
SP2-05	05/31/13	9.926
SP2-06	05/31/13	7.273
SP2-07	05/31/13	14.405
SP2-08	05/31/13	25.673
SP2-09	05/31/13	0.119

ROAD-1	10/07/14	0.411
ROAD-2	10/07/14	0.0297
ROAD-3	10/07/14	0.1532
ROAD-4	10/07/14	0.038

Sample Location	Date	Total PCBs (ppm)
CS-1	04/08/13	34.4
CS-2	04/08/13	6.32
CS-3	04/08/13	7.8
CS-4	04/08/13	9.41

Sample Location	Date	Total PCBs (ppm)
CS-1(0.5')	04/08/13	34.4
CS-1(1.5')	12/15/14	1.65
CS-1(2.5')	12/15/14	0.30
SS-53(0.5')	10/07/14	197.84
SS-53(1.5')	12/15/14	13.31
SS-53(2.5')	12/15/14	6.06
SS-83(0.5')	12/02/14	4,404
SS-83(1.5')	12/15/14	66.6
SS-83(2.5')	12/15/14	297.0
SS-87(0.5')	12/02/14	3.50
SS-87(1.5')	12/15/14	4.88
SS-87(2.5')	12/15/14	0.17





SITE LOCATION

LEGEND:

- BROWNFIELD AREA EXTENT
- PROPERTY LINE
- RIGHT-OF-WAY
- SURFACE SOIL SAMPLE LOCATION

NOTES:

1. 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

0 200' 400'

GRAPHIC SCALE

DRAFT

THIS IS A CONFIDENTIAL DOCUMENT SUBJECT TO THE ATTORNEY WORK PRODUCT DOCTRINE AND/OR ATTORNEY-CLIENT PRIVILEGE

AECC ENVIRONMENTAL CONSULTING
Asbestos & Environmental Consulting Corporation
6308 Fly Road
East Syracuse, NY 13057

PROJECT NO.	14-091
DRAWN:	MAY 2016
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

TABLES

Polychlorinated Biphenyls Analysis by SW846 8082

Surface Soil and Soil Pile Sampling
Woodbine Business Park - Canada Drive, Dewitt, NY
AECC Project #14-091
NYSDEC Spill #13-00433

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
		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
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
Aroclor-1254	11097-69-1	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
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

Surface Soil Samples

PCB Aroclor	CAS Number	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	SS-50	SS-51	SS-52	SS-53	SS-54	SS-55
		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	10/7/2014	10/7/2014
Aroclor-1248	12672-29-6	54.3	44.8	0.207	BRL	BRL	19.7	7.46	0.112	0.0451	17.3	0.194	BRL	BRL	32.3	0.0695	78	25.3	98.1	0.0557	0.0373
Aroclor-1254	11097-69-1	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	0.0947	54.5	37.5	93.1	0.0792	BRL
Aroclor-1260	11096-82-5	4.08	3.33	0.0771	BRL	BRL	1.43	0.616	0.0456	0.0263	1.52	0.0603	BRL	BRL	5.11	0.0276	5.44	3.72	6.64	BRL	BRL
Total PCBs		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	0.1918	137.94	66.52	197.84	0.1349	0.0373

PCB Aroclor	CAS Number	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	SS-71	SS-72	SS-73	SS-74
		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	10/29/2014	10/29/2014	10/29/2014	10/29/2014
Aroclor-1248	12672-29-6	BRL	BRL	BRL	0.619	BRL	BRL	BRL	BRL	0.0282	BRL	BRL	BRL	61.3	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Aroclor-1254	11097-69-1	BRL	0.0258	BRL	0.974	BRL	BRL	BRL	BRL	0.0655	BRL	0.0746	BRL	56.4	BRL	BRL	BRL	BRL	0.0302	0.516	0.0179
Aroclor-1260	11096-82-5	BRL	BRL	BRL	0.0875	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	3.37	BRL	BRL	BRL	BRL	0.0168	0.0518	BRL
Total PCBs		0	0.0258	0	1.6805	0	0	0	0	0.0937	0	0.0746	0	121.07	0	0	0	0	0.047	0.5678	0.0179

PCB Aroclor	CAS Number	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	SS-92	SS-93
		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	12/2/2014	12/2/2014
Aroclor-1248	12672-29-6	BRL	6.9	2.69	BRL	BRL	BRL	0.0798	BRL	184	2440	0.271	BRL	42	BRL	BRL	2.43	0.11	BRL	0.116	BRL
Aroclor-1254	11097-69-1	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	0.101	0.0266
Aroclor-1260	11096-82-5	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	BRL	BRL
Total PCBs		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	0.217	0.0266

PCB Aroclor	CAS Number	SS-94	SS-95	SS-95d	SS-96	SS-98	SS-99	SS-100	SS-101	SS-106	Road 1	Road 2	Road 3	Road 4
		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	10/7/2014	10/7/2014	10/7/2014	10/7/2014
Aroclor-1248	12672-29-6	0.0324	BRL	BRL	BRL	0.0254	49.1	0.0365	0.0611	BRL	0.164	BRL	0.0537	BRL
Aroclor-1254	11097-69-1	0.0661	BRL	BRL	0.0309	0.0224	47.6	0.0321	0.0647	0.0763	0.217	0.0297	0.0995	0.038
Aroclor-1260	11096-82-5	BRL	0.0276	BRL	BRL	BRL	BRL	BRL	BRL	BRL	0.03	BRL	BRL	BRL
Total PCBs		0.0985	0.0276	0	0.0309	0.0478	96.7	0.0686	0.1258	0.0763	0.411	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)

APPENDIX A

Report Date:
11-Apr-13 15:00

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

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

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
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-1*

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.

	Yes	No	N/A
1. Were custody seals present?	☐	☑	☐
2. Were custody seals intact?	☐	☐	☑
3. Were samples received at a temperature of ≤ 6°C?	☐	☑	☐
4. Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
5. Were samples refrigerated upon transfer to laboratory representative?	☐	☑	☐
6. Were sample containers received intact?	☑	☐	☐
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
8. Were samples accompanied by a Chain of Custody document?	☑	☐	☐
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?	☑	☐	☐
10. Did sample container labels agree with Chain of Custody document?	☑	☐	☐
11. Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification

CS-1

SB67363-01

Client Project #	Matrix	Collection Date/Time	Received
13-067	Soil	08-Apr-13 15:40	09-Apr-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
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	

Sample Identification

CS-2

SB67363-02

Client Project #	Matrix	Collection Date/Time	Received
13-067	Soil	08-Apr-13 15:45	09-Apr-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
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													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CS-2 SB67363-02	13-067	Soil	08-Apr-13 15:45	09-Apr-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
General Chemistry Parameters													
	% Solids	**86.9**		%			1	SM2540 G Mod.	10-Apr-13	10-Apr-13	DT	1307977	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CS-3 SB67363-03	13-067	Soil	08-Apr-13 15:50	09-Apr-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated 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	Client Project #	Matrix	Collection Date/Time	Received
CS-4	13-067	Soil	08-Apr-13 15:55	09-Apr-13
SB67363-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
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	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1307976 - SW846 3545A										
Blank (1307976-BLK1)					Prepared & Analyzed: 10-Apr-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]	*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)					Prepared & Analyzed: 10-Apr-13					
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)					Prepared & Analyzed: 10-Apr-13					
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)		GS1	**Source: SB67363-01**		Prepared: 10-Apr-13 Analyzed: 11-Apr-13					
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

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										
Duplicate (1307976-DUP1)		GS1	**Source: SB67363-01**			Prepared: 10-Apr-13 Analyzed: 11-Apr-13				
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*		
Matrix Spike (1307976-MS1)		GS1	**Source: SB67363-01**			Prepared: 10-Apr-13 Analyzed: 11-Apr-13				
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*		
Matrix Spike Dup (1307976-MSD1)		GS1	**Source: SB67363-01**			Prepared: 10-Apr-13 Analyzed: 11-Apr-13				
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*		

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.

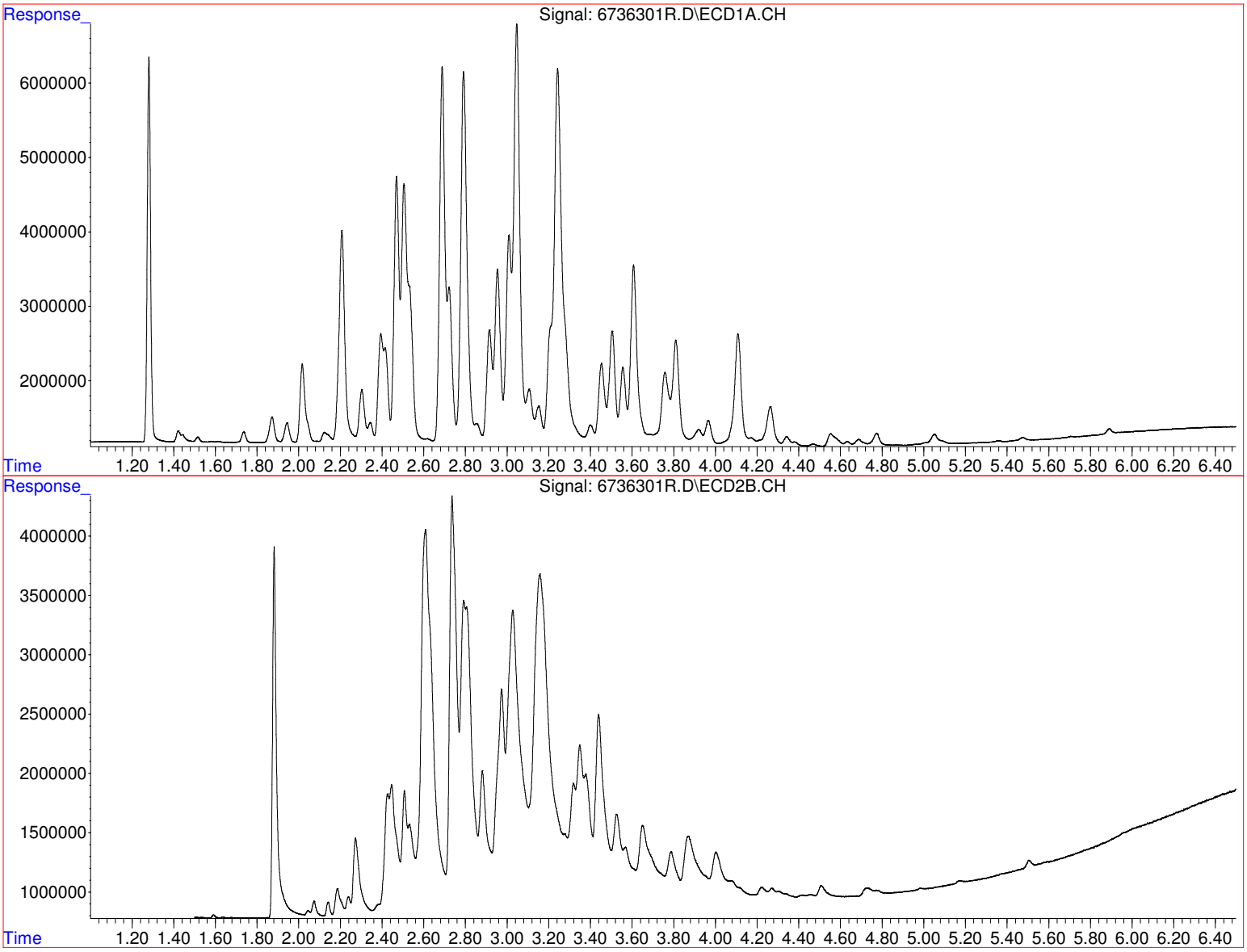
Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. 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.

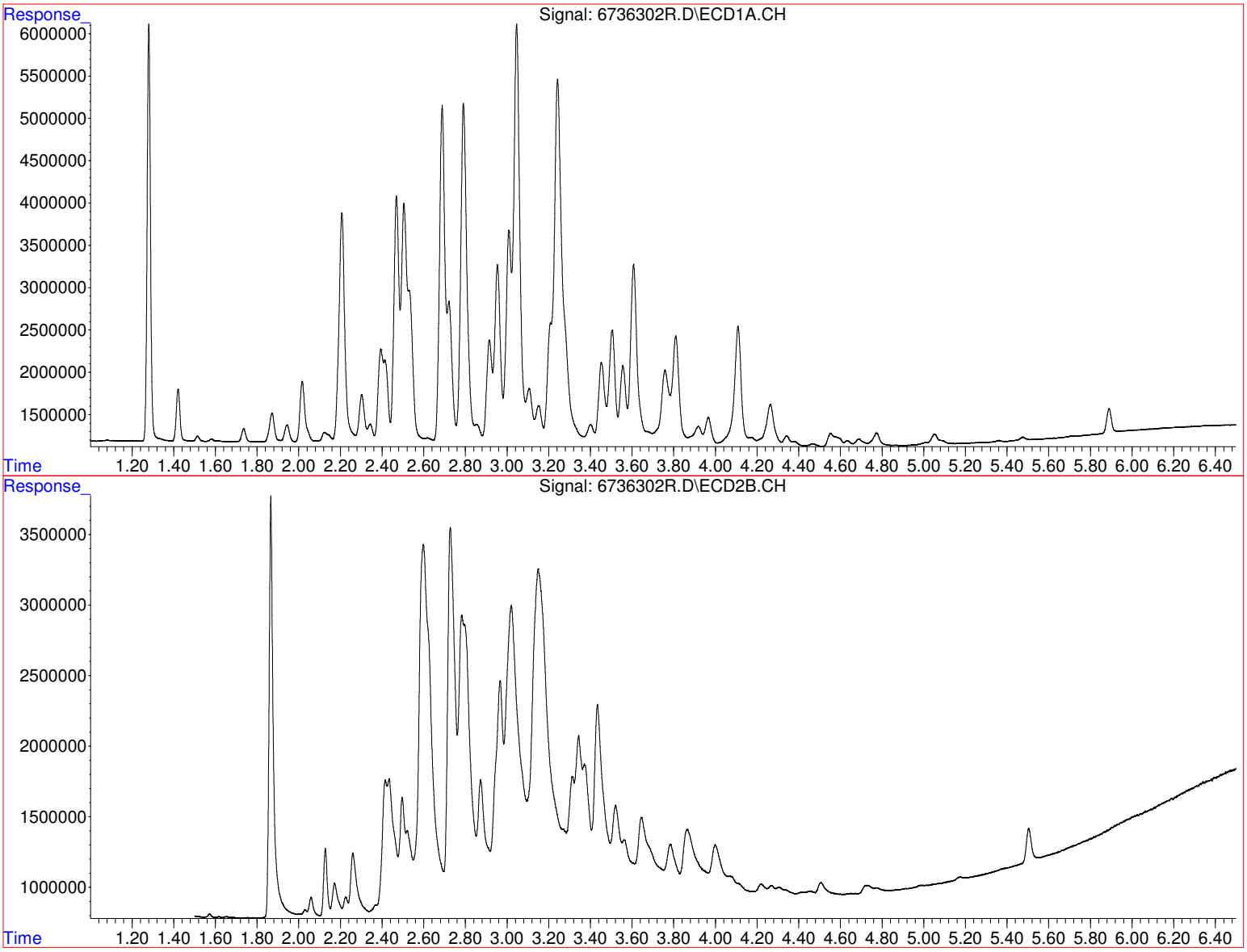
Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor

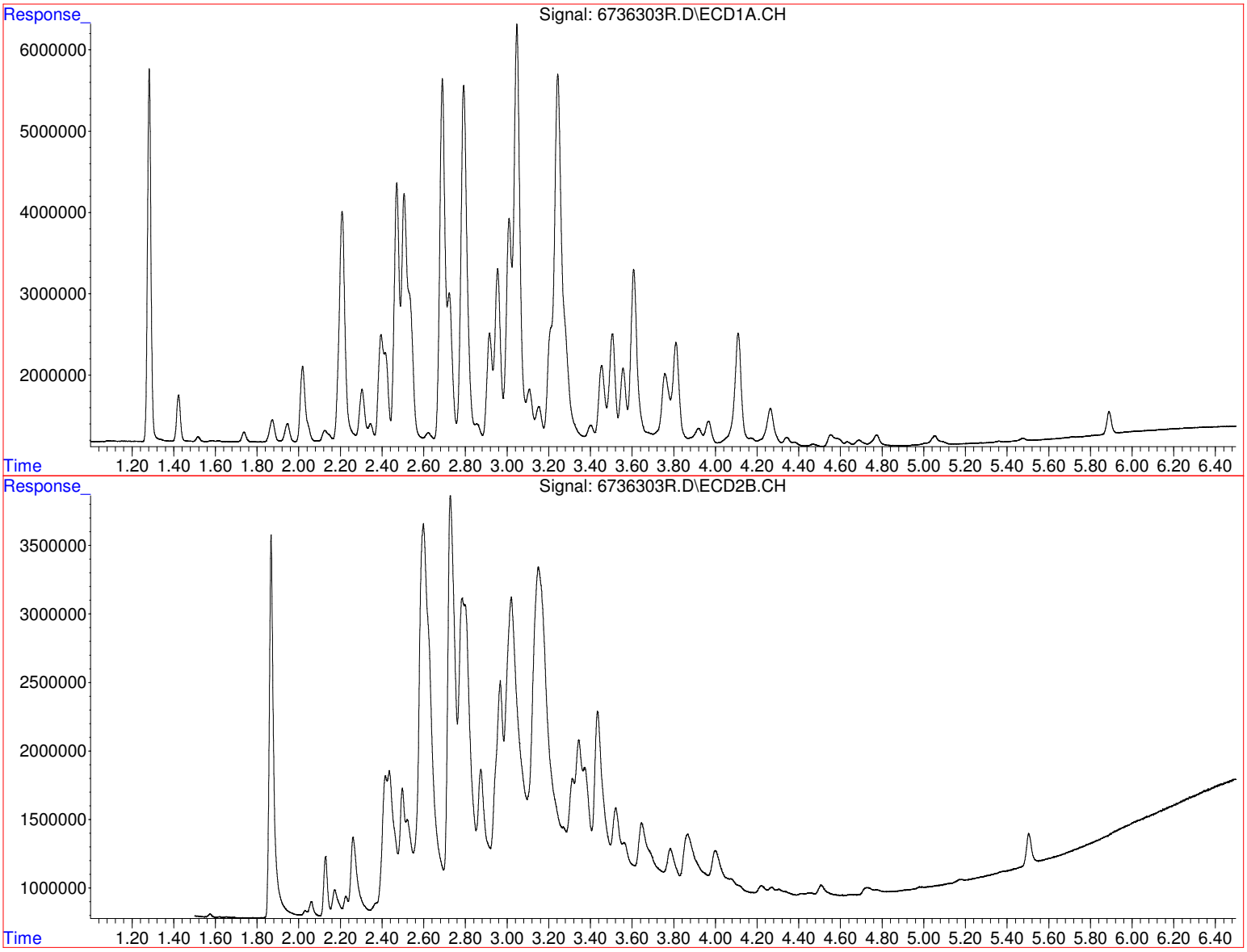
File :G:\Apr2013\HPS12\DATA\PCB120410\6736301R.D
Operator : IMR
Acquired : 11 Apr 2013 9:01 am using AcqMethod 60120306.M
Instrument : HP G1530A
Sample Name: SB67363-01 @ CS-1
Misc Info : 1:50 DIL ????????
Vial Number: 14



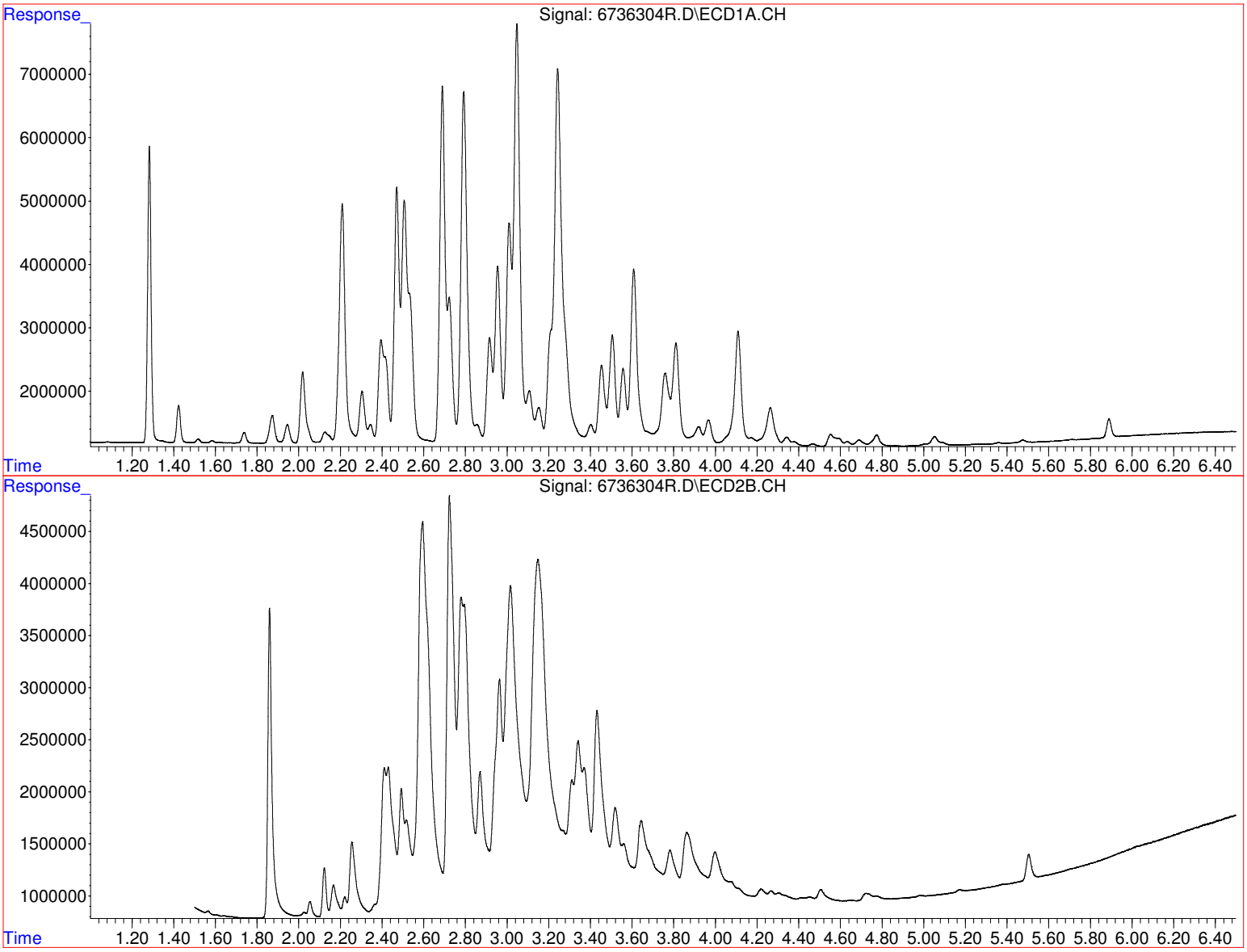
File :G:\Apr2013\HPS12\DATA\PCB120410\6736302R.D
Operator : IMR
Acquired : 11 Apr 2013 9:11 am using AcqMethod 60120306.M
Instrument : HP G1530A
Sample Name: SB67363-02 @ CS-2
Misc Info : 1:10 DIL ????????
Vial Number: 15



File :G:\Apr2013\HPS12\DATA\PCB120410\6736303R.D
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



SB67363 MM

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-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

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

Invoice To: SAME
P.O. No.: 13-067 RQN:

Project No.: 13-067
Site Name: WBP
Location: EAST SYRACUSE State: NY
Sampler(s): RICH MCKENNA

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Deionized Water 10=H_3PO_4 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=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8082 PCBs
67363-01	CS-1	4/8/13	3:40	C	SO		1			X
-02	CS-2	"	3:45	C	SO		1			X
-03	CS-3	"	3:50	C	SO		1			X
-04	CS-4	"	3:55	C	SO		1			X

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:

Relinquished by:	Received by:	Date:	Time:	Temp°C
MJ McKenna		4/8/13	4:46	13.5

☒ EDD Format
☒ E-mail to rmckenna@aecegroup.com

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

SB67363 MM

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-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

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

Invoice To: SAME

P.O. No.: 13-067 RQN:

Project No.: 13-067
Site Name: WBP
Location: EAST SYRACUSE State: NY
Sampler(s): RICH MCKENNA

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= H_3PO_4 11=_____ 12=_____

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

G=Grab C=Composite

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8082 PCBs								
67363-01	CS-1	4/8/13	3:40	C	SO		1			X								
-02	CS-2	"	3:45	C	SO		1			X								
-03	CS-3	"	3:50	C	SO		1			X								
-04	CS-4	"	3:55	C	SO		1			X								

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:

Relinquished by:	Received by:	Date:	Time:	Temp°C
M McKenna		4/8/13	4:46	13.5
		4/9/13	1650	
		4/9/13	2100	1.3

☒ EDD Format _____
☒ E-mail to rmckenna@aecgroup.com

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

Report Date:
14-Jun-13 13:58

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
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.

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 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.

	Yes	No	N/A
1. Were custody seals present?	☐	☑	☐
2. Were custody seals intact?	☐	☐	☑
3. Were samples received at a temperature of ≤ 6°C?	☐	☑	☐
4. Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
5. Were samples refrigerated upon transfer to laboratory representative?	☐	☑	☐
6. Were sample containers received intact?	☑	☐	☐
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
8. Were samples accompanied by a Chain of Custody document?	☑	☐	☐
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?	☑	☐	☐
10. Did sample container labels agree with Chain of Custody document?	☑	☐	☐
11. Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SP2-01 SB70857-01	13-067	Soil	31-May-13 13:40	31-May-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
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	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SP2-02	13-067	Soil	31-May-13 13:45	31-May-13
SB70857-02				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SP2-03 SB70857-03	13-067	Soil	31-May-13 13:50	31-May-13

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SP2-04	13-067	Soil	31-May-13 13:55	31-May-13
SB70857-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
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	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SP2-05	13-067	Soil	31-May-13 14:00	31-May-13
SB70857-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
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	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SP2-06 SB70857-06	13-067	Soil	31-May-13 14:05	31-May-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
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	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SP2-07 SB70857-07	13-067	Soil	31-May-13 14:10	31-May-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
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	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SP2-08 SB70857-08	13-067	Soil	31-May-13 14:15	31-May-13

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SP2-09 SB70857-09	13-067	Soil	31-May-13 14:20	31-May-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
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	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SP2-10 SB70857-10	13-067	Soil	31-May-13 14:25	31-May-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
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	

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1313358 - SW846 3545A										
Duplicate (1313358-DUP1)			**Source: SB70857-10**		Prepared: 07-Jun-13 Analyzed: 13-Jun-13					
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*		
Matrix Spike (1313358-MS1)			**Source: SB70857-10**		Prepared: 07-Jun-13 Analyzed: 13-Jun-13					
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*		
Matrix Spike Dup (1313358-MSD1)			**Source: SB70857-10**		Prepared: 07-Jun-13 Analyzed: 13-Jun-13					
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										
Duplicate (1313547-DUP1)			**Source: SB70857-12**		Prepared & Analyzed: 10-Jun-13					
% 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.

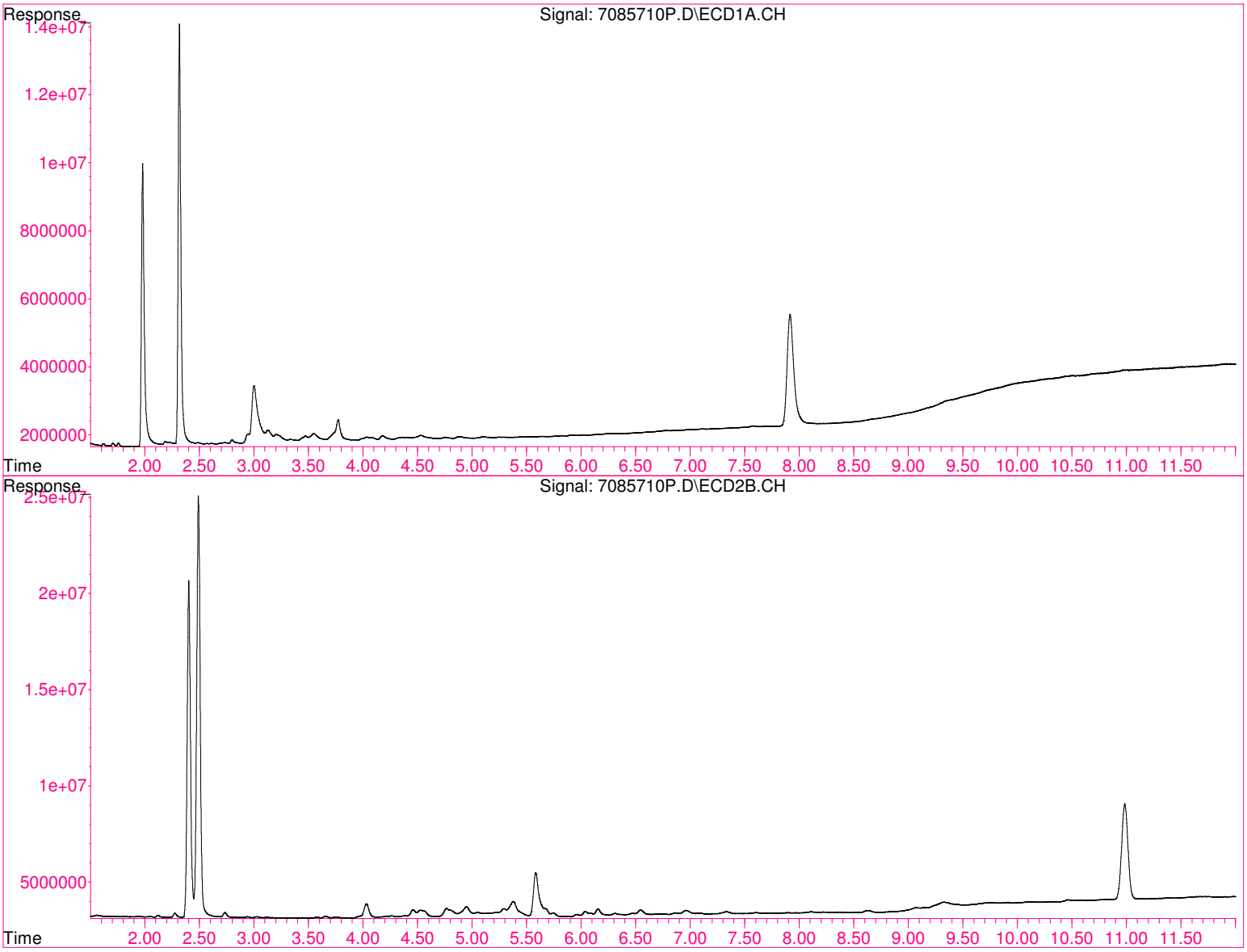
Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. 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.

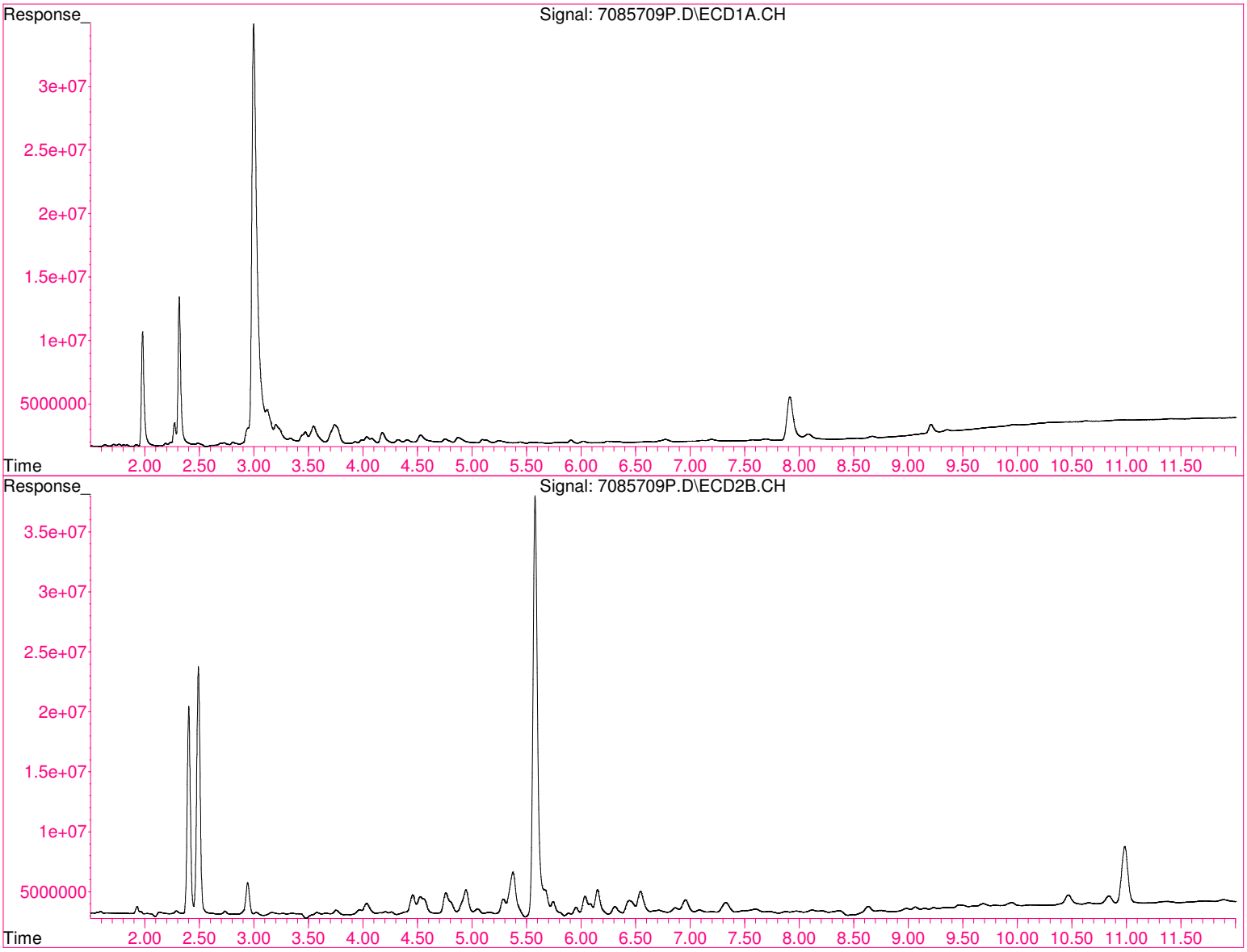
Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Rebecca Merz

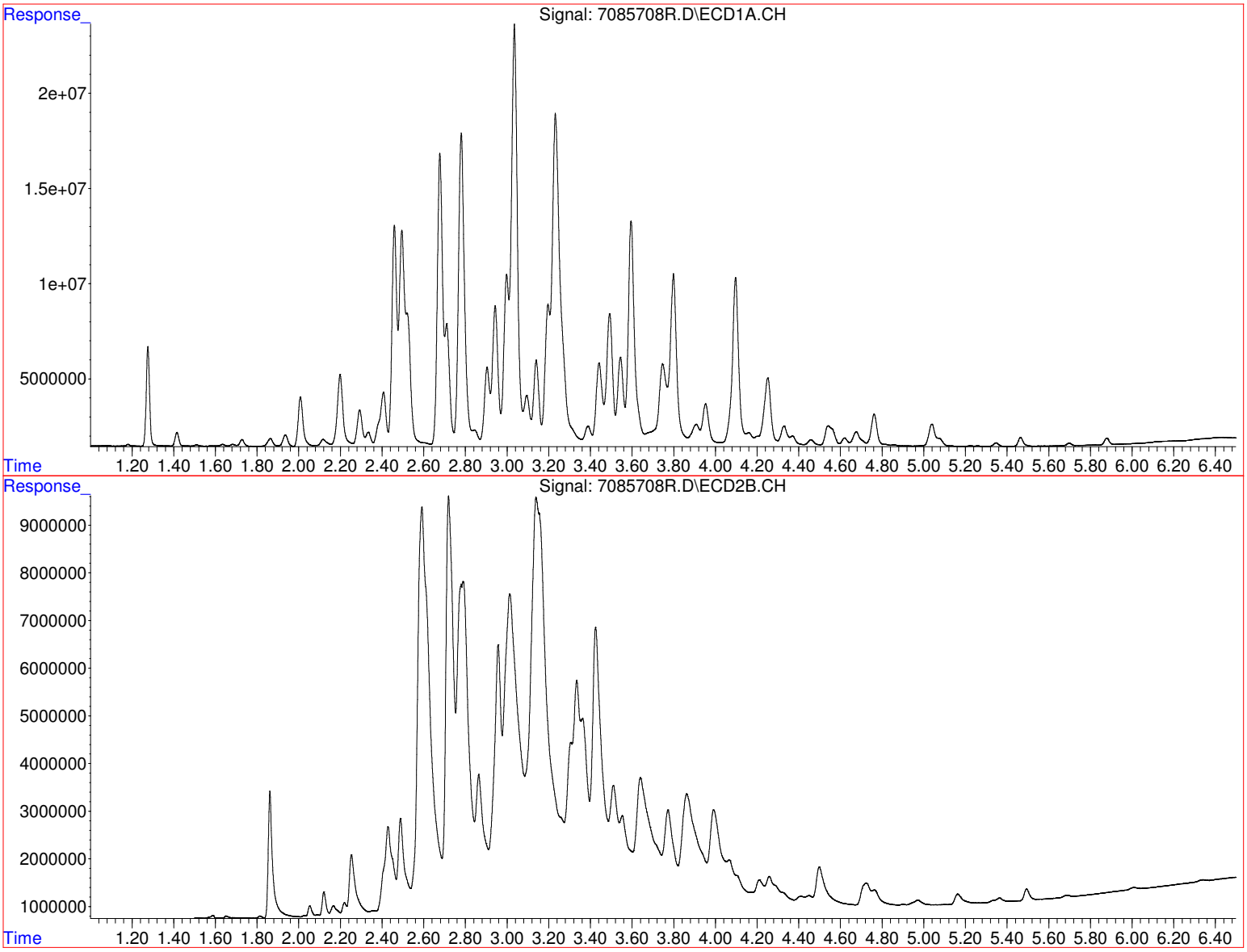
File :G:\Jun2013\HPS11\data\PCB110611\7085710P.D
Operator : BLM
Acquired : 12 Jun 2013 5:39 pm using AcqMethod 60110424.M
Instrument : HP G1530A
Sample Name: SB70857-10 @ SP2-10
Misc Info : ????????
Vial Number: 84



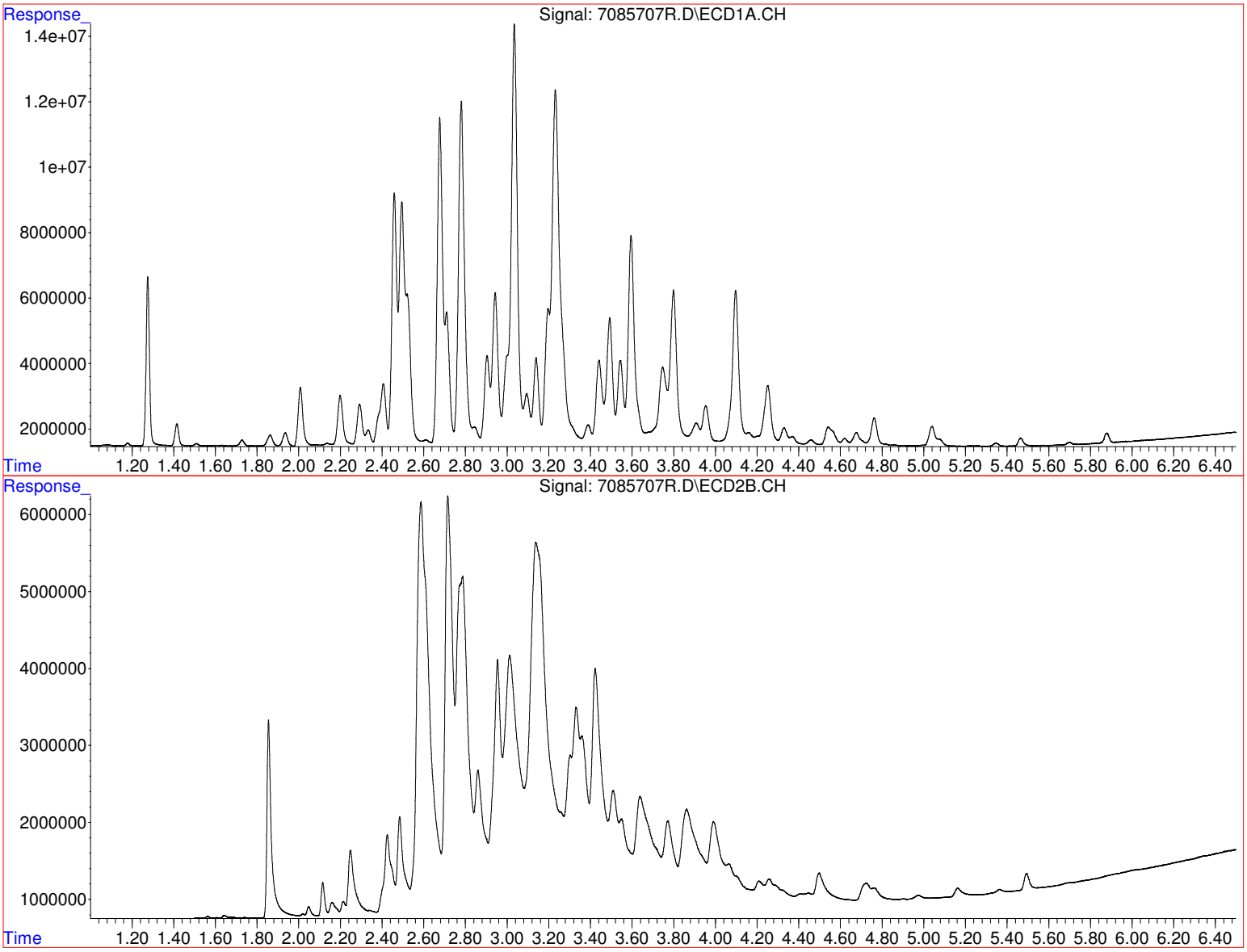
File :G:\Jun2013\HPS11\data\PCB110611\7085709P.D
Operator : BLM
Acquired : 12 Jun 2013 5:24 pm using AcqMethod 60110424.M
Instrument : HP G1530A
Sample Name: SB70857-09 @ SP2-09
Misc Info : ????????
Vial Number: 83



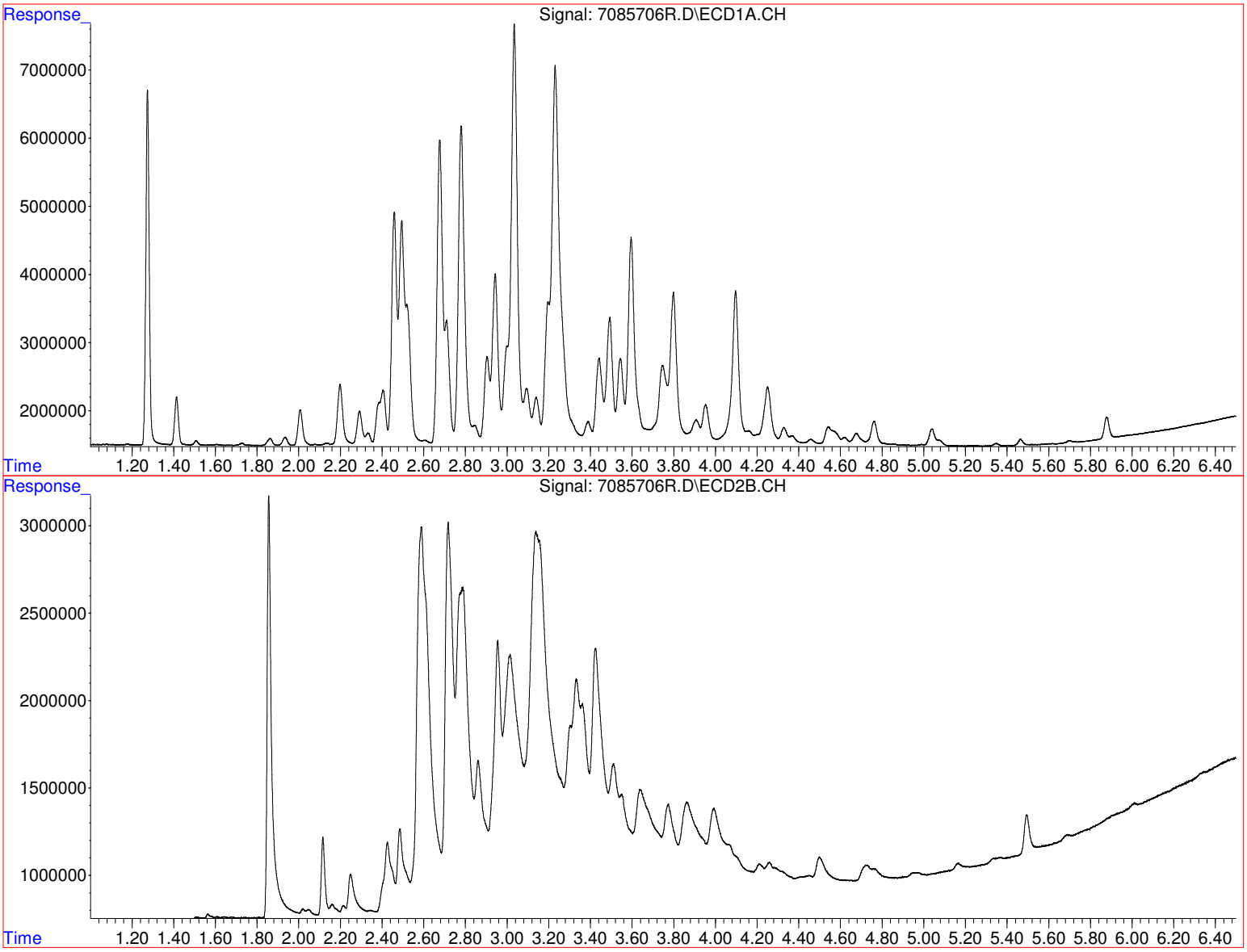
File :G:\Jun2013\HPS12\data\PCB120612\7085708R.D
Operator : IMR
Acquired : 13 Jun 2013 11:54 am using AcqMethod 60120306.M
Instrument : HP G1530A
Sample Name: SB70857-08 @ SP2-08
Misc Info : 1:10 DIL ????????
Vial Number: 93



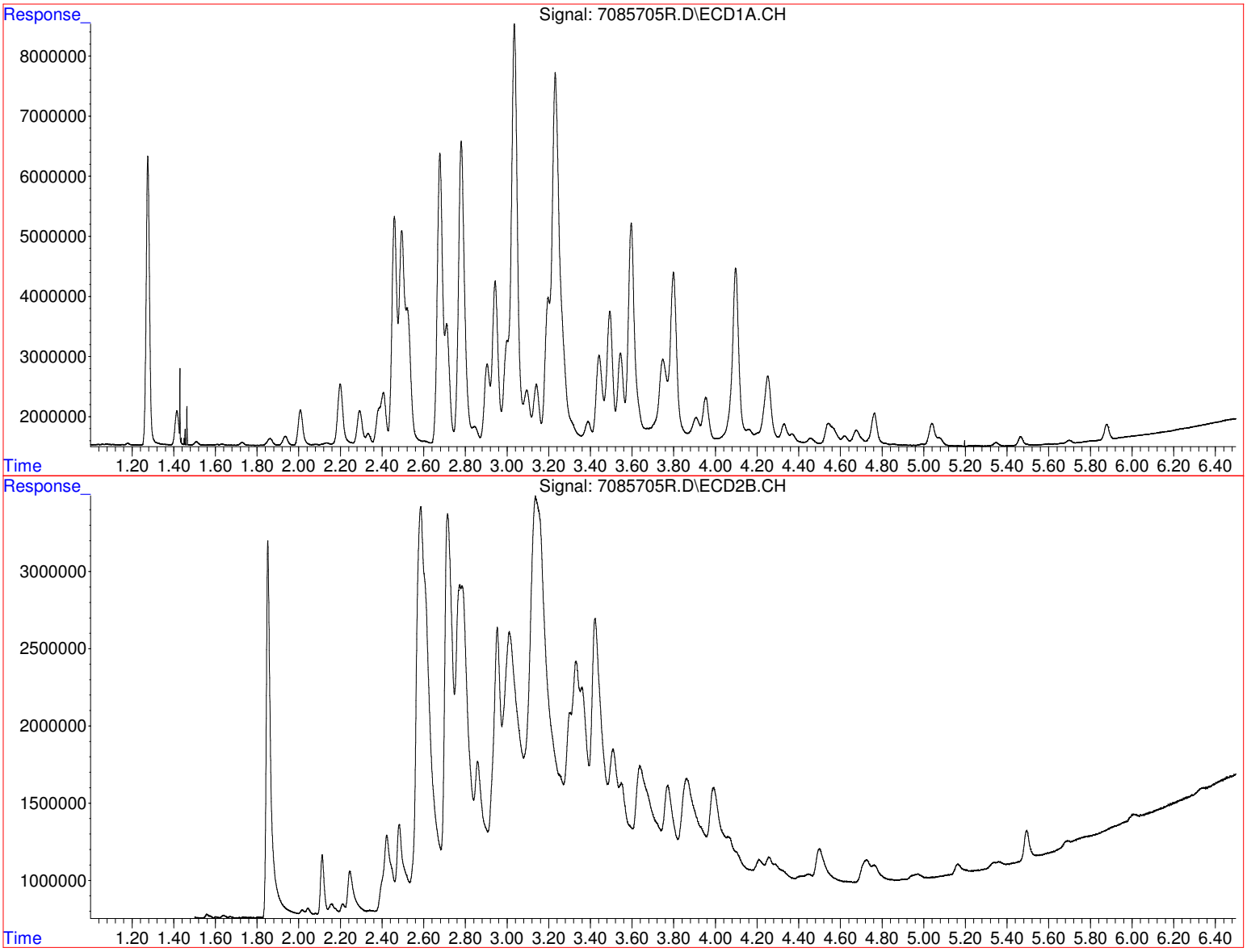
File :G:\Jun2013\HPS12\data\PCB120612\7085707R.D
Operator : IMR
Acquired : 13 Jun 2013 11:44 am using AcqMethod 60120306.M
Instrument : HP G1530A
Sample Name: SB70857-07 @ SP2-07
Misc Info : 1:10 DIL ????????
Vial Number: 92



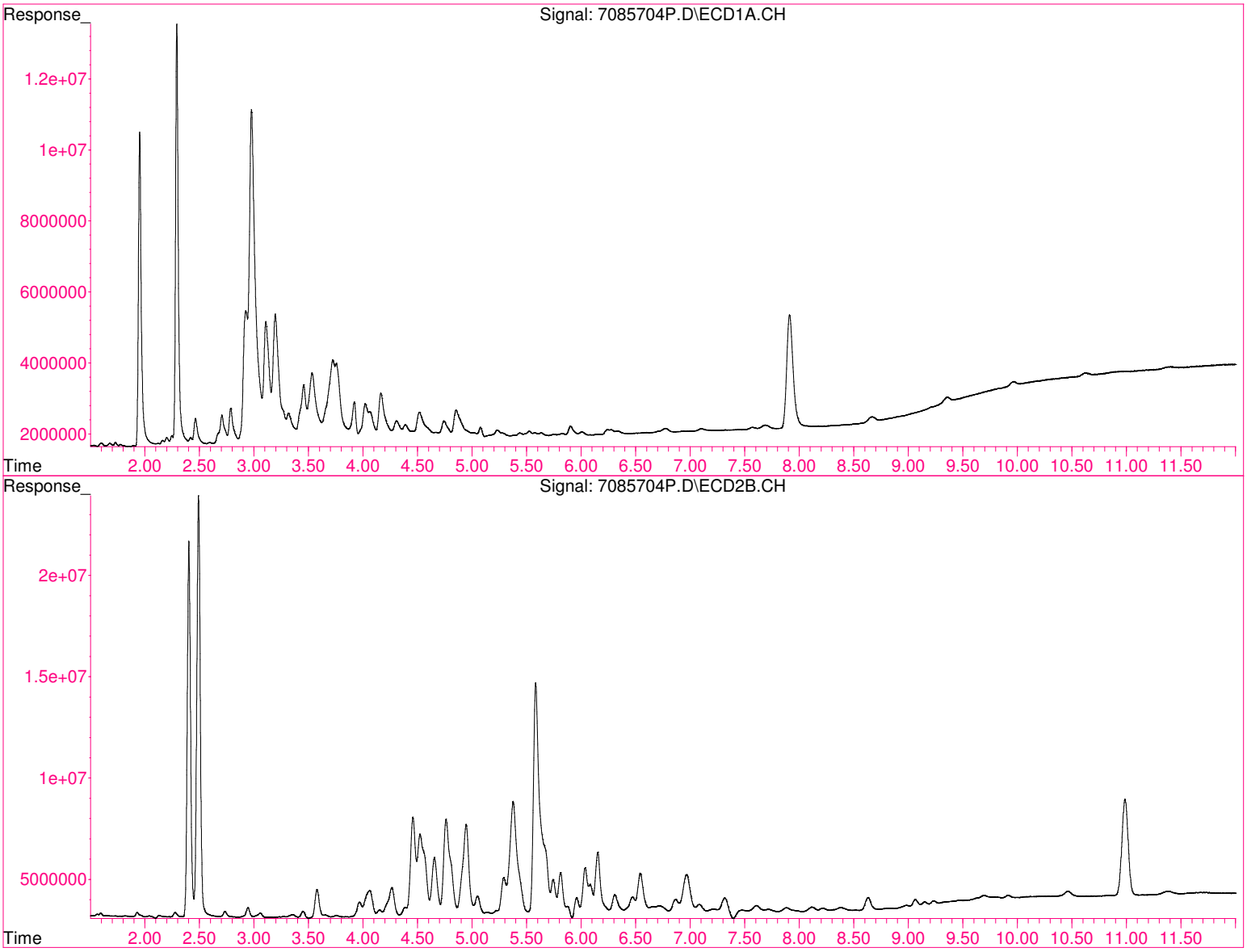
File :G:\Jun2013\HPS12\data\PCB120612\7085706R.D
Operator : IMR
Acquired : 13 Jun 2013 11:35 am using AcqMethod 60120306.M
Instrument : HP G1530A
Sample Name: SB70857-06 @ SP2-06
Misc Info : 1:10 DIL ????????
Vial Number: 91



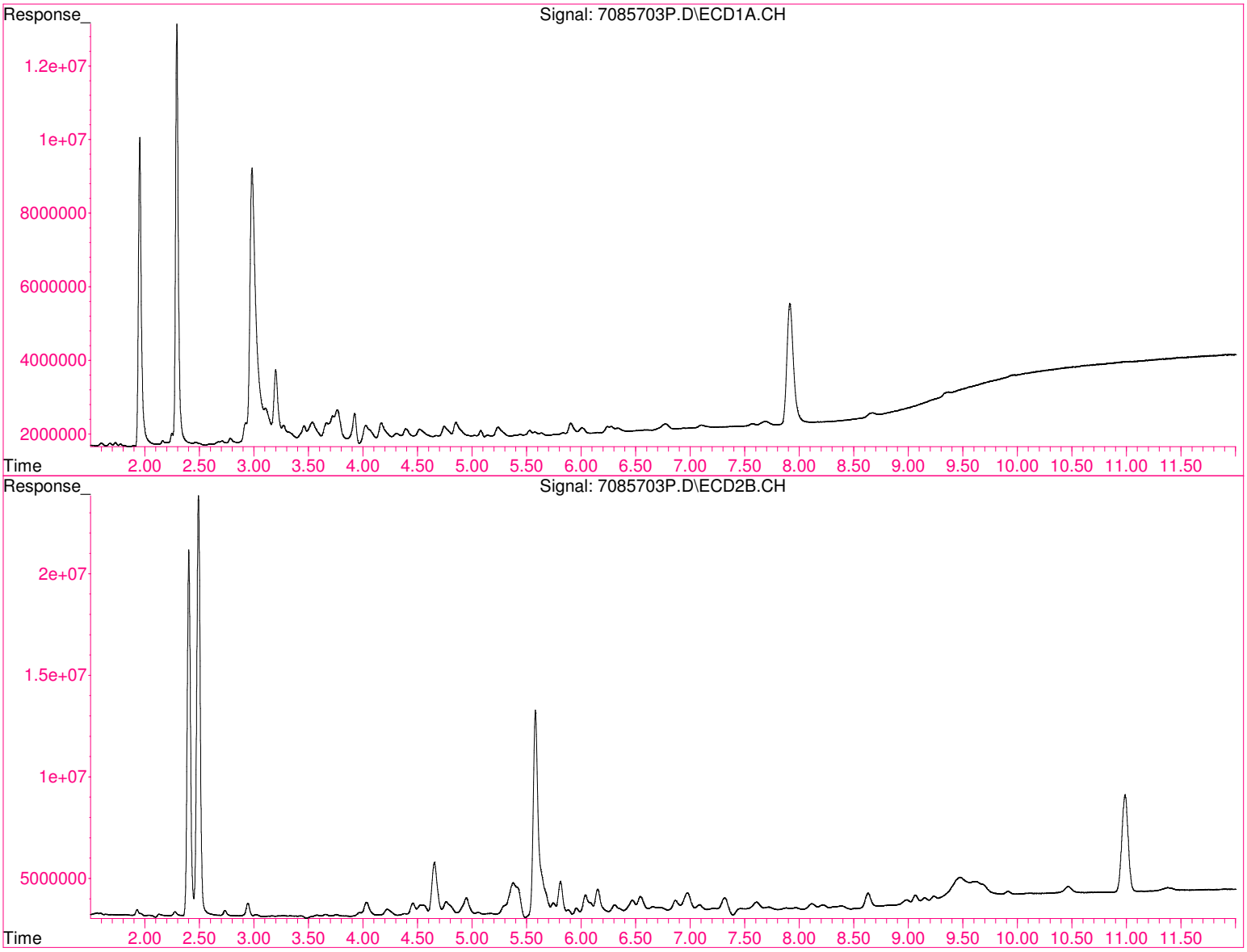
File :G:\Jun2013\HPS12\data\PCB120612\7085705R.D
Operator : IMR
Acquired : 13 Jun 2013 11:25 am using AcqMethod 60120306.M
Instrument : HP G1530A
Sample Name: SB70857-05 @ SP2-05
Misc Info : 1:10 DIL ????????
Vial Number: 90



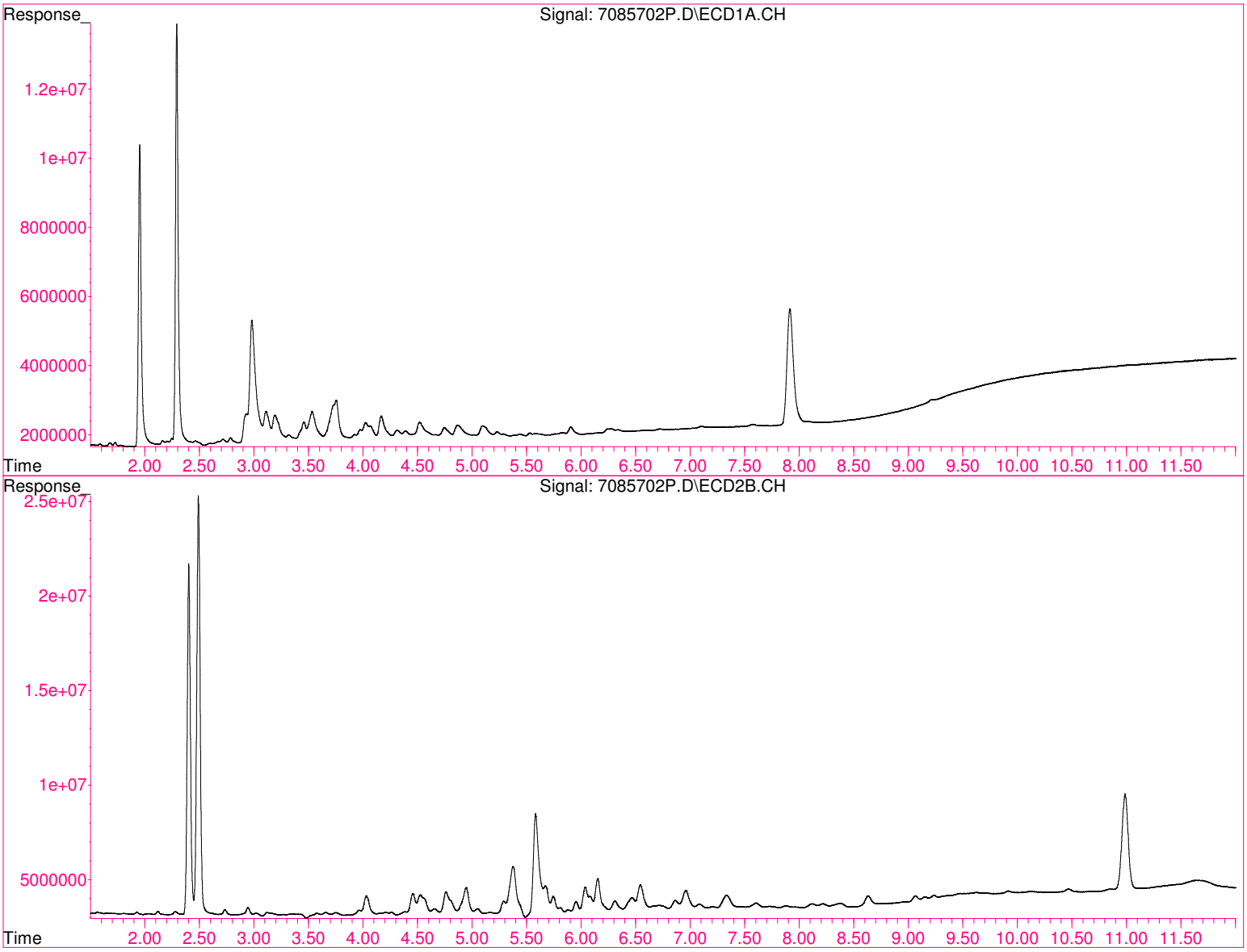
File :G:\Jun2013\HPS11\data\PCB110611\7085704P.D
Operator : BLM
Acquired : 12 Jun 2013 2:50 pm using AcqMethod 60110424.M
Instrument : HP G1530A
Sample Name: SB70857-04 @ SP2-04
Misc Info : ????????
Vial Number: 73



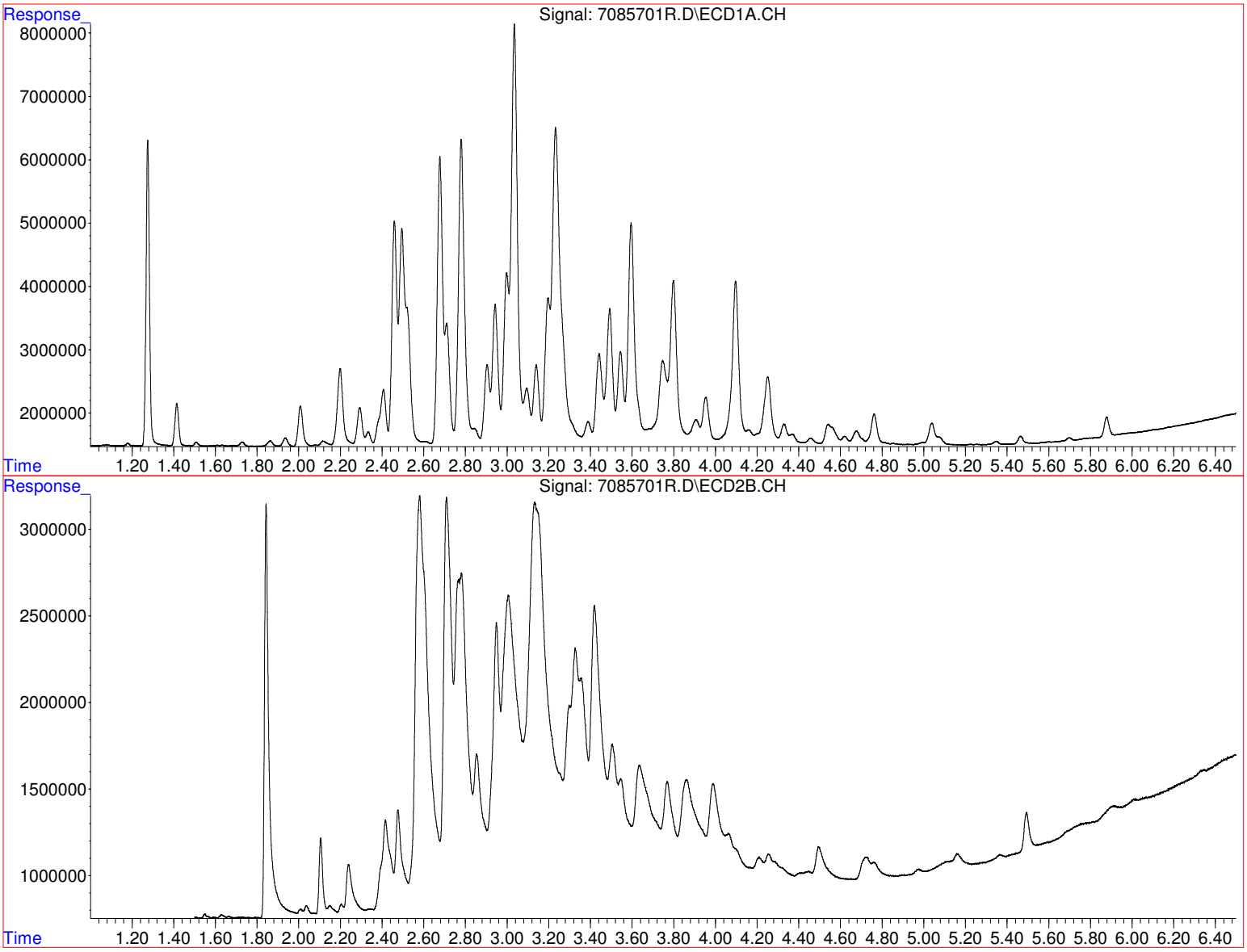
File :G:\Jun2013\HPS11\data\PCB110611\7085703P.D
Operator : BLM
Acquired : 12 Jun 2013 2:34 pm using AcqMethod 60110424.M
Instrument : HP G1530A
Sample Name: SB70857-03 @ SP2-03
Misc Info : ????????
Vial Number: 72



File :G:\Jun2013\HPS11\data\PCB110611\7085702P.D
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



File :G:\Jun2013\HPS12\data\PCB120612\7085701R.D
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



SB70857 YB

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

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 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: Colliamer State: NY
Sampler(s): Richard D McKenna

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 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=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8082 PCB
70857-01	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	"	"		"			✓

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:

Relinquished by:	Received by:	Date:	Time:	Temp°C
RM McKenna		5/31/13	1615	12.4
		6/4/13	1729	
		6/4/13	2100	11.1

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

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

Report Date:
14-Oct-14 12:26

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
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.

	Yes	No	N/A
1. Were custody seals present?	☐	☑	☐
2. Were custody seals intact?	☐	☐	☑
3. Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
4. Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
5. Were samples refrigerated upon transfer to laboratory representative?	☐	☑	☐
6. Were sample containers received intact?	☑	☐	☐
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
8. Were samples accompanied by a Chain of Custody document?	☑	☐	☐
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?	☑	☐	☐
10. Did sample container labels agree with Chain of Custody document?	☑	☐	☐
11. Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-52	14-091	Soil	07-Oct-14 11:10	07-Oct-14
SB97664-01				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-55	14-091	Soil	07-Oct-14 11:20	07-Oct-14
SB97664-02				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-53	14-091	Soil	07-Oct-14 11:26	07-Oct-14
SB97664-03				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-50 SB97664-04	14-091	Soil	07-Oct-14 11:34	07-Oct-14

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
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	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	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-49 SB97664-05	14-091	Soil	07-Oct-14 11:53	07-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-48	14-091	Soil	07-Oct-14 12:07	07-Oct-14
SB97664-06				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-44 SB97664-07	14-091	Soil	07-Oct-14 12:19	07-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-41	14-091	Soil	07-Oct-14 12:33	07-Oct-14
SB97664-08				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-42 SB97664-09	14-091	Soil	07-Oct-14 12:39	07-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-45	14-091	Soil	07-Oct-14 12:47	07-Oct-14
SB97664-10				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-39	14-091	Soil	07-Oct-14 13:00	07-Oct-14
SB97664-11				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-46 SB97664-12	14-091	Soil	07-Oct-14 13:09	07-Oct-14

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
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	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-51 SB97664-13	14-091	Soil	07-Oct-14 13:16	07-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-54 SB97664-14	14-091	Soil	07-Oct-14 13:23	07-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-47 SB97664-15	14-091	Soil	07-Oct-14 13:31	07-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-43 SB97664-16	14-091	Soil	07-Oct-14 13:38	07-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-40 SB97664-17	14-091	Soil	07-Oct-14 13:50	07-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-38 SB97664-18	14-091	Soil	07-Oct-14 13:59	07-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-37 SB97664-19	14-091	Soil	07-Oct-14 14:04	07-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-57 SB97664-20	14-091	Soil	07-Oct-14 14:20	07-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-58 SB97664-21	14-091	Soil	07-Oct-14 14:26	07-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-56	14-091	Soil	07-Oct-14 14:32	07-Oct-14
SB97664-22				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-60 SB97664-23	14-091	Soil	07-Oct-14 14:43	07-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-59 SB97664-24	14-091	Soil	07-Oct-14 14:50	07-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-61	14-091	Soil	07-Oct-14 15:05	07-Oct-14
SB97664-25				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-62 SB97664-26	14-091	Soil	07-Oct-14 15:12	07-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-66	14-091	Soil	07-Oct-14 15:16	07-Oct-14
SB97664-27				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-65	14-091	Soil	07-Oct-14 15:21	07-Oct-14
SB97664-28				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-63 SB97664-29	14-091	Soil	07-Oct-14 15:25	07-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-64	14-091	Soil	07-Oct-14 15:29	07-Oct-14
SB97664-30				

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

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

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						

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*		

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										
Duplicate (1423766-DUP1)			**Source: SB97664-10**			Prepared & Analyzed: 08-Oct-14				
% Solids	**81.8**		%			81.4			0.4	5
Duplicate (1423766-DUP2)			**Source: SB97664-11**			Prepared & Analyzed: 08-Oct-14				
% Solids	**78.9**		%			78.8			0.08	5
Batch 1423767 - General Preparation										
Duplicate (1423767-DUP1)			**Source: SB97664-30**			Prepared & Analyzed: 08-Oct-14				
% 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

SB97664 By

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

P.O. No.: 14-091 RQN:

Project No.: 14-091
Site Name: Woodbine Business Park
Location: Canada Dr, DeWitt State: NY
Sampler(s): Drew Brantner

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 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=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8082 PCBs
97664-1	SS-52	10/7/14	1110	G	SO		1			X
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							

3-1/U/3 IR 01
10/7/14 DK

570 57 IR 3
10/7/14

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:

Relinquished by:	Received by:	Date:	Time:	Temp°C
Drew Brantner	[signature]	10/7/14	1645	2.1
DRMP		10/7/14		

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

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

SB97664 Dy

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: Accts 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=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= H_3PO_4 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=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 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 10 B 1 IR 01
10/7/14 CC

5 10 57 IR 3

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:

Relinquished by:	Received by:	Date:	Time:	Temp°C
Drew Brantner		10/7/14	1645	
		10/7/14	5:00	
		10/7/14	2100	

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

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

10/7/14

SB97664 By

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

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: Canda Dr, DeWitt State: NY
Sampler(s): Drew Brantner

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

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=_____

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	Check if chlorinated
97664-21	SS-58	10/7/14	1426	G	SO		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								☐

List Preservative Code below:
3.1 10 B.1 IR 01
10/7/14 DLC
570 57 IR 3

QA/QC Reporting Notes:
* additional charges may appply

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:

Relinquished by:	Received by:	Date:	Time:	Temp °C
Drew Brantner	M. Scott	10/7/14	1645	Observed
M. Scott		10/8/14	5:00	Corrección Factor
	DLC	10/7/14	2100	Corrected
				IR ID #

☒ EDD format: PDF, Excel
☒ E-mail to: rmckenna@aecegroup.com

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: **1416437**

Receive Date/Time: 10/07/14 16:50

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:* 10/10/14

David J. Prichard, Director of Tech. Services

A copy of this report was sent to:

Date Printed: 10/10/14

-- LABORATORY ANALYSIS REPORT --

Asbestos & Environmental Consulting Corp *East Syracuse, NY*

Sample ID: **SS-40D Grab** **LSL Sample ID:** **1416437-001**

Location:

Sampled: 10/07/14 13:50 **Sampled By:**

Sample Matrix: SHW as Recd

Analytical Method / Analyte	Result	Units	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8082A PCBs			EPA 3550C			
Aroclor-1016	<0.02	mg/kg		10/9/14	10/9/14	CRT
Aroclor-1221	<0.02	mg/kg		10/9/14	10/9/14	CRT
Aroclor-1232	<0.02	mg/kg		10/9/14	10/9/14	CRT
Aroclor-1242	<0.02	mg/kg		10/9/14	10/9/14	CRT
Aroclor-1248	<0.02	mg/kg		10/9/14	10/9/14	CRT
Aroclor-1254	<0.02	mg/kg		10/9/14	10/9/14	CRT
Aroclor-1260	<0.02	mg/kg		10/9/14	10/9/14	CRT
Surrogate (DCB)	104	%R		10/9/14	10/9/14	CRT

Sample ID: **SS-60D Grab** **LSL Sample ID:** **1416437-002**

Location:

Sampled: 10/07/14 14:43 **Sampled By:**

Sample Matrix: SHW as Recd

Analytical Method / Analyte	Result	Units	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8082A PCBs			EPA 3550C			
Aroclor-1016	<0.02	mg/kg		10/9/14	10/9/14	CRT
Aroclor-1221	<0.02	mg/kg		10/9/14	10/9/14	CRT
Aroclor-1232	<0.02	mg/kg		10/9/14	10/9/14	CRT
Aroclor-1242	<0.02	mg/kg		10/9/14	10/9/14	CRT
Aroclor-1248	<0.02	mg/kg		10/9/14	10/9/14	CRT
Aroclor-1254	<0.02	mg/kg		10/9/14	10/9/14	CRT
Aroclor-1260	<0.02	mg/kg		10/9/14	10/9/14	CRT
Surrogate (DCB)	107	%R		10/9/14	10/9/14	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

1416437
AECC
6063

LSL Central Lab
5854 Butternut Drive
East Syracuse, NY 13057
Phone: (315) 445-1900
Fax: (315) 445-1301
Email: lslcentral@lsl-inc.com

LSL North Lab
131 St Lawrence Ave
Waddington, NY 13694
Phone: (315) 388-4476
Fax: (315) 388-4081
Email: lslnfo@lsl-inc.com

LSL Finger Lakes Lab
16 North Main Street
Wayland, NY 14572
Phone: (585) 728-3320
Fax: (585) 728-2711
Email: lslfll@lsl-inc.com

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

Turnaround Time (Business Day)

Normal ☐ 10 DAY | Pre-Authorized: Next Day* ☐ 2-Day * ☐ 3-Day * ☒ 7-Day* ☐ | *Additional Charges may apply

Report Address:

Name: Rich McKenna
Company: AECC
Street: 6308 Fly Road
City/State: East Syracuse, NY
Zip: 13057
Phone: (315) 432-9400
Fax: (315) 432-9405
Email: rmckenna@aecegroup.com

Client Project ID/Client Site ID

Date Needed or Special Instructions:

Authorization or P.O. # 14-091

LSL Project Number:

Client's Sample Identifications	Sample Date	Sample Time	Type grab/comp	Matrix	Preserv Added	Containers #	Containers size/type	Analyses	Preserv Check	LSL ID #
SS-40d	10/7/14	1350	Grab	Soil	—	1	4oz Amb.	8082 PCBs		001
SS-60d	10/7/14	1443	Grab	Soil	—	1	4oz. Amb.	8082 PCBs		002

LSL use only:

Containers this C-O-C

Custody Transfers

		Date	Time
Sampled By: Dave Brunton	Received By: M D McKenna	10/7/14	4:22
Relinquished By:	Received By:		
Relinquished By: M D McKenna	Rec'd for Lab By:	10-7-14	16:50
Shipment Method:	Received Intact: Y N	Sample Temp	15.0c

*** 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

onza

Report Date:
14-Oct-14 12:35

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
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.

	Yes	No	N/A
1. Were custody seals present?	☐	☑	☐
2. Were custody seals intact?	☐	☐	☑
3. Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
4. Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
5. Were samples refrigerated upon transfer to laboratory representative?	☐	☑	☐
6. Were sample containers received intact?	☑	☐	☐
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
8. Were samples accompanied by a Chain of Custody document?	☑	☐	☐
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?	☑	☐	☐
10. Did sample container labels agree with Chain of Custody document?	☑	☐	☐
11. Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Road 1 SB97668-01	14-091	Soil	07-Oct-14 10:40	07-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Road 2 SB97668-02	14-091	Soil	07-Oct-14 10:46	07-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Road 3 SB97668-03	14-091	Soil	07-Oct-14 10:52	07-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Road 4 SB97668-04	14-091	Soil	07-Oct-14 10:58	07-Oct-14

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

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1423786 - SW846 3540C										
Duplicate (1423786-DUP1)			**Source: SB97668-04**			Prepared: 08-Oct-14 Analyzed: 09-Oct-14				
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
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.3*		µg/kg dry		*23.5*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.1*		µg/kg dry		*23.5*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.8*		µg/kg dry		*23.5*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.8*		µg/kg dry		*23.5*		*80*	*30-150*		
Matrix Spike (1423786-MS1)			**Source: SB97668-04**			Prepared: 08-Oct-14 Analyzed: 09-Oct-14				
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		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg dry		*23.3*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg dry		*23.3*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.5*		µg/kg dry		*23.3*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.8*		µg/kg dry		*23.3*		*85*	*30-150*		
Matrix Spike Dup (1423786-MSD1)			**Source: SB97668-04**			Prepared: 08-Oct-14 Analyzed: 09-Oct-14				
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
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.7*		µg/kg dry		*22.8*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*13.7*		µg/kg dry		*22.8*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.8*		µg/kg dry		*22.8*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*12.5*		µg/kg dry		*22.8*		*55*	*30-150*		

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=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

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=_____

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	Check if chlorinated
97668-01	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	☐

List Preservative Code below:

__1__ __1__ IR

QA/QC Reporting Notes:
* additional charges may appply

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:

5.7 0 5.7 IR 3

Relinquished by:	Received by:	Date:	Time:	Temp °C
Drew Brantner	C.S. Coll	10/7/14	1645	Observed
C.S. Coll	Tom Lyn	10/7/14	5:00	Correction Factor
	OHL	10/7/14	2100	Corrected
				IR ID #

☒ 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

Report Date:
04-Nov-14 15:37

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
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:

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.

	Yes	No	N/A
1. Were custody seals present?	☐	☑	☐
2. Were custody seals intact?	☐	☐	☑
3. Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
4. Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
5. Were samples refrigerated upon transfer to laboratory representative?	☐	☑	☐
6. Were sample containers received intact?	☑	☐	☐
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
8. Were samples accompanied by a Chain of Custody document?	☑	☐	☐
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?	☑	☐	☐
10. Did sample container labels agree with Chain of Custody document?	☑	☐	☐
11. Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-67	14-091	Soil	29-Oct-14 15:01	30-Oct-14
SB98955-01				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-69	14-091	Soil	29-Oct-14 15:08	30-Oct-14
SB98955-02				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-70	14-091	Soil	29-Oct-14 15:15	30-Oct-14
SB98955-03				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-68	14-091	Soil	29-Oct-14 15:21	30-Oct-14
SB98955-04				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-71	14-091	Soil	29-Oct-14 15:29	30-Oct-14
SB98955-05				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-74 SB98955-06	14-091	Soil	29-Oct-14 15:36	30-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-73 SB98955-07	14-091	Soil	29-Oct-14 15:43	30-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-72	14-091	Soil	29-Oct-14 15:49	30-Oct-14
SB98955-08				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-75 SB98955-09	14-091	Soil	29-Oct-14 16:02	30-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-78	14-091	Soil	29-Oct-14 16:11	30-Oct-14
SB98955-10				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-77 SB98955-11	14-091	Soil	29-Oct-14 16:27	30-Oct-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-76 SB98955-12	14-091	Soil	29-Oct-14 16:33	30-Oct-14

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

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*		

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

SB98955

SPECTRUM ANALYTICAL, INC.
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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=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

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=

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: 8082 PCBs	List Preservative Code below:	Check if chlorinated
98955-01	SS-67	10/29/14	1501	G	SO		1			X		☐
-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									☐

12/10/14 IR4
10/30/14 IR

QA/QC Reporting Notes:
* additional charges may appply

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

1901.9 IR3

Relinquished by:	Received by:	Date:	Time:	Temp °C
Drew Brantner	[signature]	10/30/14	1040	Observed
[signature]	Aze Kelsey	10 30 14	1620	Corrección Factor
[signature]	[signature]	10/30/14	2100	Corrected
				IR ID #

☒ 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

SB98955@

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

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
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=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

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=

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: List Preservative Code below: 8082 PCBs	Check if chlorinated
98955-11	SS-77	10/29/14	1627	G	SO		1			X	☐
-12	SS-76	10/29/14	1633	G	SO		1			X	☐
											☐
											☐
											☐
											☐
											☐
											☐
											☐
											☐

Soxhlet Prep

12/0 1.2 IR PV
10/30/14 VK

19.0, 19 IR 3

QA/QC Reporting Notes:
* additional charges may appply

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:

Relinquished by:	Received by:	Date:	Time:
Drew Brantner		10/30/14	1040
	Jon Williams	10/30/14	1620
Jon Kellas	ONC	10/31/14	2100

Temp °C: Observed / Corrección Factor / Corrected / IR ID #

☒ 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

LSL 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

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:

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 / Analyte	Result	Units	Prep Method / Prep Date	Analysis Date & Time	Analyst Initials
(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: lslnfo@lsl-inc.com

LSL Finger Lakes Lab
16 North Main Street
Wayland, NY 14572
Phone: (585) 728-3320
Fax: (585) 728-2711
Email: lslfll@lsl-inc.com

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

1418046
AECC
6063

Report Address:
Name: Rich McKenna
Company: AECC
Street: 6308 Fly Road
City/State: East Syracuse, NY **Zip:** 13057
Phone: (315) 432-9400 **Fax:** (315) 432-9405
Email: rmckenna@aecegroup.com
Client Project ID/Client Site ID

Turnaround Time (Business Day)
Normal: 10 DAY ☐ | Pre-Authorized: Next Day* ☐, 2-Day * ☐, 3-Day * ☒, 7-Day* ☐
*Additional Charges may apply

Date Needed or Special Instructions:

Authorization or P.O. # 14-091

LSL Project Number:

Client's Sample Identifications	Sample Date	Sample Time	Type grab/comp	Matrix	Preserv Added	Containers #	Containers size/type	Analyses	Preserv Check	LSL ID#
SS-75d	10/29/14	1602	Grab	Soil		1	4oz Amber	8082 PCBs		001
								Soxhlet Prep		

LSL use only:
* Sample receipt temp okay as per client RP

Containers this C-O-C

Custody Transfers

		Date	Time
Sampled By: Drew Brantner	Received By:		
Relinquished By:	Received By:		
Relinquished By: Drew Brantner	Rec'd for Lab By: K Dunbar	11/4/14	13:17
Shipment Method:	Received Intact: Y N	Sample Temp	12.6°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***

Reg COC rev1

Report Date:
05-Dec-14 15:12

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
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:

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.

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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 5.7 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.

	Yes	No	N/A
Were custody seals present?	☐	☑	☐
Were custody seals intact?	☐	☐	☑
Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
Were sample containers received intact?	☑	☐	☐
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
Were samples accompanied by a Chain of Custody document?	☑	☐	☐
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?	☑	☐	☐
Did sample container labels agree with Chain of Custody document?	☑	☐	☐
Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-79 SC00580-01	14-091	Soil	02-Dec-14 10:40	02-Dec-14

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
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	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	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-81 SC00580-02	14-091	Soil	02-Dec-14 10:46	02-Dec-14

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C			GS1										
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	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-83	14-091	Soil	02-Dec-14 10:52	02-Dec-14
SC00580-03				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-84 SC00580-04	14-091	Soil	02-Dec-14 10:57	02-Dec-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-86 SC00580-05	14-091	Soil	02-Dec-14 11:03	02-Dec-14

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C			GS1										
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	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-80 SC00580-06	14-091	Soil	02-Dec-14 11:15	02-Dec-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-82 SC00580-07	14-091	Soil	02-Dec-14 11:21	02-Dec-14

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C			GS1										
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	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-85 SC00580-08	14-091	Soil	02-Dec-14 11:26	02-Dec-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-87 SC00580-09	14-091	Soil	02-Dec-14 11:32	02-Dec-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-88 SC00580-10	14-091	Soil	02-Dec-14 11:37	02-Dec-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-89 SC00580-11	14-091	Soil	02-Dec-14 11:48	02-Dec-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-90 SC00580-12	14-091	Soil	02-Dec-14 11:55	02-Dec-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-91 SC00580-13	14-091	Soil	02-Dec-14 12:02	02-Dec-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-92 SC00580-14	14-091	Soil	02-Dec-14 12:13	02-Dec-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-93 SC00580-15	14-091	Soil	02-Dec-14 12:19	02-Dec-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-94 SC00580-16	14-091	Soil	02-Dec-14 12:23	02-Dec-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-95 SC00580-17	14-091	Soil	02-Dec-14 12:30	02-Dec-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-96 SC00580-18	14-091	Soil	02-Dec-14 12:36	02-Dec-14

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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1428496 - SW846 3540C										
Blank (1428496-BLK1)					Prepared: 03-Dec-14 Analyzed: 04-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	< 16.7	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*		
LCS (1428496-BS1)					Prepared: 03-Dec-14 Analyzed: 04-Dec-14					
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*		
LCS Dup (1428496-BSD1)					Prepared: 03-Dec-14 Analyzed: 04-Dec-14					
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*		
Duplicate (1428496-DUP1)			**Source: SC00580-01**		Prepared: 03-Dec-14 Analyzed: 04-Dec-14					
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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1428496 - SW846 3540C										
Duplicate (1428496-DUP1)			**Source: SC00580-01**			Prepared: 03-Dec-14 Analyzed: 04-Dec-14				
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*		
Matrix Spike (1428496-MS1)			**Source: SC00580-01**			Prepared: 03-Dec-14 Analyzed: 04-Dec-14				
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*		
Matrix Spike Dup (1428496-MSD1)			**Source: SC00580-01**			Prepared: 03-Dec-14 Analyzed: 04-Dec-14				
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*		

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										
Duplicate (1428499-DUP1)			**Source: SC00580-15**			Prepared & Analyzed: 03-Dec-14				
% Solids	**68.3**		%			69.0			1	5
Duplicate (1428499-DUP2)			**Source: SC00580-16**			Prepared & Analyzed: 03-Dec-14				
% 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

SC00580

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

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**=Na_2S2O_3 **2**=HCl **3**=H_2SO_4 **4**=HNO_3 **5**=NaOH **6**=Ascorbic Acid
7=CH3OH **8**=$NaHSO_4$ **9**=Deionized Water **10**=H_3PO_4 **11**= **12**=

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**=

G= Grab **C**=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: 8082 PCBs	Check if chlorinated
SC00580-01	SS-79	12/2/14	1040	G	SO		1			X	☐
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								☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

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:

Bottle Ref (3540)

57,051R3

Relinquished by:	Received by:	Date:	Time:	Temp °C
Drew Brantner	[signature]	12/2/14	1545	Observed 1.1
[signature]	[signature]	12-2-14	17~	Correction Factor 0
George (ABC)	[signature]	12/2/14	2100	Corrected 1.1
				IR ID # 01

☒ EDD format: PDF, Excel
☒ E-mail to: cmckenna@aecgroup.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SC00580 Sky

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

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

P.O. No.: 14-091 RQN:

Project No.: 14-091
Site Name: Woodbine Business Park
Location: Canada Dr, DeWitt State: NY
Sampler(s): Drew Brastner

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= H_3PO_4 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=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8082 PCBs
SC00580-11	SS-89	12/2/14	1148	G	SO		1			X
12	SS-90		1155							
13	SS-91		1202							
14	SS-92		1213							
15	SS-93		1219							
16	SS-94		1223							
17	SS-95		1230							
18	SS-96		1236							
19	SS-97		1247							

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:

Sonnet Prep (3540)

12/2/14 IR

5.1 0 5.1 IR

Relinquished by:	Received by:	Date:	Time:	Temp°C
Drew Brastner		12/2/14	1545	
(George Con)		12/2/14	17w	
		12/2/14	2100	

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

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

LSL 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

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

Reviewed by: _____ *Date:* 12/5/14

David J. Prichard, Director of Tech. Services

A copy of this report was sent to:

Date Printed: 12/5/14

-- 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 / Analyte	Result	Units	Prep Method	Prep Date	Analysis Date & Time	Analyst 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*

rptC002 **Life Science Laboratories, Inc.** **Date Printed:** 12/5/14

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: Lmh, QS.

Life Science Laboratories, Inc.
CHAIN OF CUSTODY RECORD

LSL Central Lab
5854 Buttermut 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: lslnfo@lsl-inc.com

LSL Finger Lakes Lab
16 North Main Street
Wayland, NY 14572
Phone: (585) 728-3320
Fax: (585) 728-2711
Email: lslfll@lsl-inc.com

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

1419581
AECC
6063

Report Address:
Name: Rich McKenna
Company: AECC
Street: 6308 Fly Road
City/State: East Syracuse, NY **Zip:** 13057
Phone: (315) 432-9400 **Fax:** (315) 432-9405
Email: rmckenna@aecegroup.com
Client Project ID/Client Site ID

Turnaround Time (Business Day)
Normal: 10 DAY ☐ | Pre-Authorized: Next Day* ☐, 2-Day * ☐, 3-Day * ☒, 7-Day* ☐
*Additional Charges may apply

Date Needed or Special Instructions:

Authorization or P.O. # 14-091

LSL Project Number:

Client's Sample Identifications	Sample Date	Sample Time	Type grab/comp	Matrix	Preserv Added	Containers #	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) (20 ppb reporting limit)		001

LSL use only:
* Receipt temp okay as per client. RD 12/2/14
Containers this C-O-C

Custody Transfers

		Date	Time
Sampled By: Drew Boartner	Received By:		
Relinquished By: Drew Boartner	Received By:		
Relinquished By:	Rec'd for Lab By: RC Dimbar	12/2/14	16:01
Shipment Method:	Received Intact: Y N	Sample Temp	6.8 inc *

*** 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:
19-Dec-14 12:04

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
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.

	Yes	No	N/A
Were custody seals present?	☐	☑	☐
Were custody seals intact?	☐	☐	☑
Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
Were sample containers received intact?	☑	☐	☐
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
Were samples accompanied by a Chain of Custody document?	☑	☐	☐
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?	☑	☐	☐
Did sample container labels agree with Chain of Custody document?	☑	☐	☐
Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CS-1 (1.5') SC01291-01	14-091	Soil	15-Dec-14 10:20	15-Dec-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CS-1 (2.5') SC01291-02	14-091	Soil	15-Dec-14 10:25	15-Dec-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-53 (1.5') SC01291-03	14-091	Soil	15-Dec-14 10:50	15-Dec-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-53 (2.5')	14-091	Soil	15-Dec-14 10:55	15-Dec-14
SC01291-04				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-83 (1.5') SC01291-05	14-091	Soil	15-Dec-14 11:12	15-Dec-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-83 (2.5') SC01291-06	14-091	Soil	15-Dec-14 11:20	15-Dec-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-87 (1.5') SC01291-07	14-091	Soil	15-Dec-14 11:33	15-Dec-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-87 (2.5')	14-091	Soil	15-Dec-14 11:42	15-Dec-14
SC01291-08				

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-101 SC01291-09	14-091	Soil	15-Dec-14 11:55	15-Dec-14

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
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	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-99 SC01291-10	14-091	Soil	15-Dec-14 12:09	15-Dec-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-100 SC01291-11	14-091	Soil	15-Dec-14 12:16	15-Dec-14

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-98 SC01291-12	14-091	Soil	15-Dec-14 12:29	15-Dec-14

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

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)			**Source: SC01291-01**		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

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1429590 - SW846 3540C										
Duplicate (1429590-DUP1)			**Source: SC01291-01**			Prepared: 17-Dec-14 Analyzed: 18-Dec-14				
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*		
Matrix Spike (1429590-MS1)			**Source: SC01291-01**			Prepared: 17-Dec-14 Analyzed: 18-Dec-14				
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*		
Matrix Spike Dup (1429590-MSD1)			**Source: SC01291-01**			Prepared: 17-Dec-14 Analyzed: 18-Dec-14				
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*		

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										
Duplicate (1429605-DUP1)			**Source: SC01291-13**			Prepared & Analyzed: 17-Dec-14				
% Solids	**68.1**		%			68.8			1	5
Duplicate (1429605-DUP2)			**Source: SC01291-14**			Prepared & Analyzed: 17-Dec-14				
% 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

SC01291 JLH

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

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=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

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=_____

G= Grab C=Composite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	List Preservative Code below:	Analysis: 8082 PCBs	Check if chlorinated
SC01291-01	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									☐

QA/QC Reporting Notes:
* additional charges may appply

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)

55.0 165 IR 3

Relinquished by:	Received by:	Date:	Time:	Temp °C
Drew Brantner	[signature]	12/15/14	1545	Observed: 2.1
[signature]	[signature]	12/16/14	430	Correction Factor: 0
[signature]	[signature]	12/16/14	2IN	Corrected: 2.1
				IR ID #: 01

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

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SC01291JH

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

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, DeWitt State: NY
Sampler(s): Drew Brantner

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

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=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: 8082 PCBs	Check if chlorinated
SC01291-11	SS-100	12/15/14	1216	G	S		1			X	☐
12	SS-98		1229								☐
13	SS-102		1240								☐
14	SS-104		1258								☐
15	SS-105		1305								☐
16	SS-103		1314								☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

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 15,5 IR 3

Relinquished by:	Received by:	Date:	Time:	Temp °C
Drew Brantner	[signature]	12/15/14	1545	Observed 2.1
[signature]	Hardinge	12/16/14	430	Correction Factor 0
Hardinge	[signature]	12/16/14	2100	Corrected 2.1
				IR ID # 01

☒ EDD format: PDF, Excel
☒ E-mail to: rmckenna@aecgroup.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

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
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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

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
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.

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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 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.

	Yes	No	N/A
Were custody seals present?	☐	☑	☐
Were custody seals intact?	☐	☐	☑
Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
Were sample containers received intact?	☑	☐	☐
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
Were samples accompanied by a Chain of Custody document?	☑	☐	☐
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?	☑	☐	☐
Did sample container labels agree with Chain of Custody document?	☑	☐	☐
Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-106 SC01671-01	14-091	Soil	15-Dec-14 12:03	23-Dec-14

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

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										
Blank (1430210-BLK1)						Prepared: 26-Dec-14 Analyzed: 29-Dec-14				
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*		
LCS (1430210-BS1)						Prepared: 26-Dec-14 Analyzed: 30-Dec-14				
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*		
LCS Dup (1430210-BSD1)						Prepared: 26-Dec-14 Analyzed: 30-Dec-14				
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*		
Duplicate (1430210-DUP1)			**Source: SC01671-01**			Prepared: 26-Dec-14 Analyzed: 29-Dec-14				
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

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										
Duplicate (1430210-DUP1)			**Source: SC01671-01**			Prepared: 26-Dec-14 Analyzed: 29-Dec-14				
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*		
Matrix Spike (1430210-MS1)			**Source: SC01671-01**			Prepared: 26-Dec-14 Analyzed: 29-Dec-14				
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*		
Matrix Spike Dup (1430210-MSD1)			**Source: SC01671-01**			Prepared: 26-Dec-14 Analyzed: 29-Dec-14				
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*		

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

SC01671 BM

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: Woodbine Business Park
Location: Canada Dr, DeWitt State: NY
Sampler(s): Drew Brantner

F=Field Filtered **1**=Na_2S2O_3 **2**=HCl **3**=H_2SO_4 **4**=HNO_3 **5**=NaOH **6**=Ascorbic Acid
7=CH3OH **8**=$NaHSO_4$ **9**=Deionized Water **10**=H_3PO_4 **11**= **12**=

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**=

G= Grab **C**=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: 8082 PCBs	Check if chlorinated	QA/QC Reporting Notes: * additional charges may appply
SC01671(20)	SS-~~8~~ 106 *D.B.	12/15/14	1203	G	SO		1			X	☐	Soxhlet Prep (3540)

List Preservative Code below:

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:

3.4, 0, 3.4 IR 3

Relinquished by:	Received by:	Date:	Time:	Temp °C
Drew Brantner	[signature]	~~12/23/14~~ 12/23/14	755	Observed 1.3
[signature]	Jo Keylon	12-23-14	1680	Correction Factor 0
[signature]	[signature]	12/23/14	2100	Corrected 1.3
				IR ID # 01

☒ 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