Environmental Services

Engineering Services

Soil Sampling Report

Wayland Town Center Municipal Parcel

Boston Post Road/Andrew Avenue
Wayland, Massachusetts

December 8, 2017

Prepared for:

Wayland Board of Selectmen
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December 8, 2017
Date

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1.0 INTRODUCTION

CMG Environmental, Inc. (CMG) prepared this Soil Sampling Report to document systematic random sampling for polychlorinated biphenyls (PCBs) at the 'Municipal Parcel' portion of the Wayland Town Center property in Wayland, Massachusetts (the Site).

CMG conducted soil sampling in general conformance the federal Toxic Substance Control Act (TSCA) Subpart O, which the U.S. Environmental Protection Agency (EPA) has promulgated as 40 CFR Part 761.280 through 761.298.

1.1 PURPOSE

The purpose of soil testing for PCBs at the Site was to evaluate whether historic release of PCBs at the Site met the TSCA threshold of a source greater than 50 mg/Kg of total PCBs.

CMG conducted this work in accordance to our 'Additional Soil Sampling for PCBs, "Municipal Parcel" Portion of Wayland Town Center' proposal dated August 31, 2015 (updated 8/8/17) and authorized on August 29, 2017, which was the second Change Order to our proposal of June 19, 2015 (initially authorized on 6/26/15). Wayland subsequently authorized our November 13, 2017 'Addendum to Change Order 2' (on 11/13/17) to conduct further analysis of soil samples.

1.2 SITE IDENTIFICATION

1.2.1 LOCATION

The Site is a portion of the Wayland Town Center property addressed as 400-440 Boston Post Road and Andrew Avenue, Wayland MA 01778. The Wayland Town Center is bounded by Boston Post Road (U.S. Route 20) to the south, Old Sudbury Road (State Route 27) to the east the Sudbury River to the west, and vacant Town-owned conservation land ("Cow Commons") to the north. The Site is in the southwesterly portion of the Wayland Town Center adjacent to Route 20, approximately 0.6 miles west of its intersection with Route 27.

1.2.2 LEGAL DESCRIPTION

Wayland Assessor's Map 23 identifies the Wayland Town Center property (henceforth "the Property") as Lot 52, which consists of 56.6 acres of land. The South Middlesex Registry of Deeds has a legal description of the Wayland Town Center Property recorded in Book 45981, Page 177. According to the February 4, 2015 "Plan of Land, Wayland, Massachusetts Showing Proposed Lease/Acquisition Area and Access/Utility Easement" prepared by the Wayland Town Surveyor's Office, the Municipal Parcel (Site) consists of:

- Lot 4-1 (1.96 acres in size);
- Lot 8-1 (0.43 acres);
- Lot 9-1B (a 12,651 square-foot portion of Lot 9-1); and
- Parcel R-20-1 (1.48 acres).

Thus the entire Site consists of approximately 4.16 acres (about 181,230 square feet) of land (see Figure 2).

Wayland Assessor's Map 23 also identifies Lot 4-1 as parcel 23-052L, Lot 8-1 as parcel 23-052K, Lot 9-1B as the northeasterly portion of parcel 23-052M, and Parcel R-20 as parcel 23-052S.

1.3 CURRENT OCCUPANT & SITE USE

A currently-vacant building occupies the Site (see Photograph 1 in Appendix A). Congress Group Ventures constructed this building in 2000 for use as a children's daycare facility, but did not complete or occupy it.

CMG observed a section of degraded asphalt paving dating from long before 2000 and a curb cut along Route 20, the remains of a driveway to the former building that existed at the Site. We also observed a large block of reinforced concrete immediately west of the current Site building, possibly a remnant of the former building foundation.

1.4 CURRENT OCCUPANTS & USE OF ADJOINING PROPERTIES

CMG observed the following businesses and uses at properties adjoining the Site.

ADJOINING PROPERTY USES

ADDRESS	NAME	USE
[No #] Andrew Avenue, Lot 52Q (north/northwest)	None (Twenty Wayland, LLC)	Undeveloped wetlands
1-43 Lillian Way Lot 52G (north/northeast)	Brendan Properties River Trail LLC	Residential condominiums
[No #] Andrew Avenue, Lot 52I (northeast)	Informal Public Green	Open greenspace
400 Boston Post Road, Lot 52 (east)	Wayland Town Center	Shopping center, tenants include: Ace Hardware Almaari Jewelers Anton's Cleaners AT&T (cell phone store) Bertucci's (restaurant) Boston Sports Club Bottled of Wayland Jos. A. Bank (clothing) The Local (restaurant) Middlesex Savings Bank Orange Leaf (frozen yogurt) Panera Bread (restaurant) Petco Unleashed Sleepy's (bedroom furniture) Super Stop & Shop Subway (restaurant) Supercuts (hairdresser) Takara (Japanese restaurant) Verizon (cell phone store) & several medical offices
397 Boston Post Road (southeast)	Russell's Greenhouses	Gardening center
Southerly side of Route 20 (south)	MBTA Right-of-Way, Town of Wayland land	Undeveloped
444 Boston Post Road (west/northwest)	"Hamlen Parcel" (Raytheon Company)	Undeveloped wetlands

2.0 RELEVANT SITE HISTORY

2.1 INFORMATION FROM PHASE I ESA

CMG conducted an ASTM Phase I Environmental Site Assessment (ESA) of the Site in June/ July 2015. At that time we learned the following regarding Site history:

> The Site has been associated with operations at the larger [400-440 Boston Post Road] Property for much of its history. This includes use as farmland prior to 1950s, development as the former RES [Raytheon Electronic Systems] research facility circa 1954, and redevelopment as the Wayland Town Center circa 2010. Raytheon constructed two buildings at the Site portion of the Property in 1957 (Building 12) and 1962 (Building 21). Additions to these two buildings had joined them into a single contiguous structure by 1992, which RES used for testing of radar equipment. Buildings 12 & 21 shared a septic system that included a leaching field within Site boundaries; Raytheon Company abandoned this leaching field in 1992 and connected sanitary sewer to the wastewater treatment plant located in the north-central portion of the Property. Congress Group Ventures had the former Raytheon Buildings 12 & 21 razed in 1999 and constructed the existing Site building in 2000. They intended this to become the Wayland Daycare Center but did not complete or occupy this building, which currently remains vacant.

The Massachusetts Department of Environmental Protection (DEP) issued release tracking number (RTN) 2-13302 to Raytheon Company on January 2, 1996 following notification of 0.12' (about 1½") of non-aqueous phase liquid (NAPL) in a monitoring well located adjacent to a former 20,000-gallon No. 6 fuel oil underground storage tank. (This tank was located adjacent to the main Raytheon Company building, about 1,000' east-northeast of the subject Site.)

Environmental Resources Management, Inc. (ERM, environmental consultant to Raytheon Company) excavated 7 test pits at the Property in May 1996. They identified concentrations of total petroleum hydrocarbons (TPH) in soil at up to 8,600 mg/Kg and PCBs in soil at up to 1,300 mg/Kg. (Identified areas of elevated PCB concentrations were at the main Raytheon building about 1,000' east of the subject Site and at test pit TP-3, located about 700' northeast of the subject Site.) Raytheon Company reported these findings to DEP on July 25, 1996, whereupon DEP issued RTN 3-14042 to identify this reporting condition. ERM linked RTN 3-14042 to primary RTN 3-13302 on November 28, 2000.

2.2 PREVIOUS ENVIRONMENTAL REPORTS

CMG has reviewed numerous reports regarding environmental investigation at the former Raytheon property, the majority of which is now the Wayland Town Center. These include the following reports prepared by ERM:

- "Phase I – Initial Site Investigation, Raytheon Electronic Systems, 430 Boston Post Road, Wayland, MA" (RTN[1] 3-13302) dated May 1996;
- "Assessment and Imminent Hazard Evaluation, Raytheon Electronic Systems, 430 Boston Post Road, Wayland, Massachusetts" (RTN 3-14042) dated August 28, 1996;
- "Phase II Comprehensive Site Assessment, Former Raytheon Facility, 430 Boston Post Road, Wayland, Massachusetts" (RTN 3-13302) dated November 27, 2001.

The following subsections summarize pertinent portions of these reports.

[1] RTN = Release Tracking Number.

2.2.1 RTN 3-13302 PHASE I INVESTIGATION (1996)
RES leased the 83-acre Property from 1955 through 1996, and conducted electronic testing and chemical process research to support RES in-house prototype manufacturing from 1955 to 1995. The number of employees working at the facility ranged from 1,700 to 2,300 during that time. The RES facility consisted of an approximately 400,000 square foot main complex of several conjoined buildings, the approximately 25,000 square foot Buildings 12 & 21 (at the subject Site), and several sheds and outbuildings. Raytheon Company closed this facility in 1996.

RES researched and developed prototype electronic equipment at the Property, including design and testing of antennae and transmitters. They conducted several different laboratory processes at the Property, including photographic development, printed circuit board development, machining & welding, electronic testing, spray painting, and hydraulic testing. Chemicals used at the RES facility included heating and lubrication oils, some of which reportedly contained PCBs. Buildings 12 & 21 were reportedly used as a radar testing complex from 1957-1995.

Laboratory analyses identified PCBs in soil at concentrations greater than 1 mg/Kg at locations MH-13 (6.7 mg/Kg Aroclor 1254, 6.0 mg/Kg Aroclor 1260); SB-8 (240 mg/Kg Aroclor 1260 in S-1 sample, 4.0 mg/Kg Aroclor 1260 in S-2 sample); and "Boiler Room" (3.2 mg/Kg Aroclor 1260).

2.2.2 RTN 3-14042 ASSESSMENT (1996)
ERM's Phase I investigation had identified 8,600 mg/Kg of an unidentified hydrocarbon in the 0-2' sample from test pit TP-3 (excavated near the "Range House" building in the northerly portion of the Property). Re-analysis of this sample initially identified 310 mg/Kg of Aroclor 1260. ERM subsequently send splits of this soil sample to two other laboratories, which identified 850 mg/Kg of Aroclor 1260 and 1,050 mg/Kg of Aroclor 1260 in the split samples.

Additional assessment in this portion of the Property identified elevated concentrations of Aroclor 1260 at sampling locations TP-3 surface (810 mg/Kg), TP-3A [1.5'] (10 mg/Kg), H (14 mg/Kg), MW-TP3 [0-2'] (1,100 mg/Kg), MW-TP3 [2-4'] (26 mg/Kg), MW-TP3 [4-6'] (29 mg/Kg), and SB-N1 [0-2'] (1,300 mg/Kg).

2.2.3 RTN 3-13302 PHASE II INVESTIGATION (2001)
Wayland Business Center, LLC (WBC) acquired the former Raytheon Property in December 1997 and redeveloped the building complex and grounds into commercial office space in 1998. As of 2001 Polaroid Corporation occupied approximately 70% of the complex and WBC occupied another 5%.

WBC had Haley & Aldrich, Inc. (H&A) conduct an investigation of the former Buildings 12 & 21 portion of the Property (i.e., the subject Site) in October 2000. They collected 13 shallow soil samples surrounding Buildings 12 & 21 on October 11, 2000 (see Figure 3) and submitted each of these for laboratory analysis of extractable petroleum hydrocarbons (EPH) with target polynuclear aromatic hydrocarbon (PAH) identifications and several total metals. H&A also requested PCB analysis on 8 of the 13 soil samples. Table 1 (following the figures) summarizes available historic soil sampling data from the Site. Soil sample SS-6 exhibited 2,400 mg/Kg EPH C_{11}-C_{22} aromatics and 1.25 mg/Kg total PCBs; these results constitute exceedances of current RCS-1 reportable concentrations. H&A attributed EPH in this sample (as well as the several identified PAHs) to asphalt in the soil sample (contamination associated with asphalt is exempt from DEP reporting). Furthermore, the RCS-1 standard for PCBs at the time that ERM collected

this sample was 2 mg/Kg, so detection of PCBs at SS-6 was not a reporting obligation at that time. Thus WBC did not report these findings to DEP at the time.

H&A reportedly prepared a letter report of their findings on November 10, 2000 titled "Soil and Ground Water Sampling Results, Planned Daycare Facility," which ERM reviewed. This report is not publicly available; CMG requested a copy from ERM in May 2014 but they were not able to provide this to us because H&A addressed their report to WBC. CMG also requested a copy of this report from Twenty Wayland, LLC (current property owner) in May 2015, but they informed us they do not have a copy of this report in their files.

2.3 PREVIOUS ASSESSMENT FOR PCBS (CMG)

The Wayland Council on Aging – Community Center Advisory Committee retained CMG in August 2015 to conduct additional soil sampling at the Site on behalf of the Town of Wayland to further investigate two portions of the Site: near H&A sample location SS-6; and the northeasterly portion of the Site planned for future open recreation space.

CMG collected 8 shallow soil samples at the Site on August 6, 2015. We collected four samples in the northeasterly portion of the Site (designated OS-1 through OS-4) in locations selected by the Community Center Advisory Committee and four additional samples near H&A sample SS-6. We determined that the H&A sample SS-6 location is beneath the large (11×12×2½') monolithic block of weathered reinforced concrete located just west of the current Site building. CMG collected three soil samples from under the edge of this monolith:

- Sample H6-1 approximately 2.2' northwest of the HA-6 location,
- Sample H6-2 approximately 6.9' northeast of the HA-6 location, and
- Sample H6-3 approximately 3.5' southwest of the HA-6 location.

CMG also collected a fourth sample in this area (designated H6-4) just off westerly corner of a poured-concrete pad located adjacent to the southwesterly wall of the existing Site building. Figure 3 illustrates these soil sampling locations (and also the H&A sample locations).

CMG submitted eight soil samples for analysis of PCBs by EPA Method 8082 (with Soxhlet extraction). Testing identified the PCB mixture Aroclor 1260 in each of the 8 soil samples tested, ranging from 0.0255-0.220 mg/Kg (i.e., below the RCS-1 reportable concentration; see Table 1).

3.0 SOIL SAMPLING (2017)

3.1 SAMPLE LOCATIONS

CMG laid out a 10×10' grid over the entire Site as outlined in our August 31, 2015 'Potential TSCA Soil Sampling for PCBs' letter to Wayland Board of Selectmen. We aligned this grid with the northwesterly property boundary and assigned a lettering/numbering scheme to identify individual grid squares (see Figure 4). This resulted in a total of 1,799 grid squares over the Site area. CMG then eliminated the 107 grid squares which were underneath the Site building, leaving a total of 1,692 grid squares for further evaluation. We assigned sequential numbers to each of these 1,692 grid squares.

CMG then used the Excel formula =TRUNC((RAND()*(1692-1)+1),0) to generate a series of 30 random integers between 1 and 1692. We examined this list of 30 random numbers to see if there

were any duplicates or sequential number in the list; if there were, we ran the random integer generating exercise again. The final list of 30 random numbers and their corresponding grid squares was as follows:

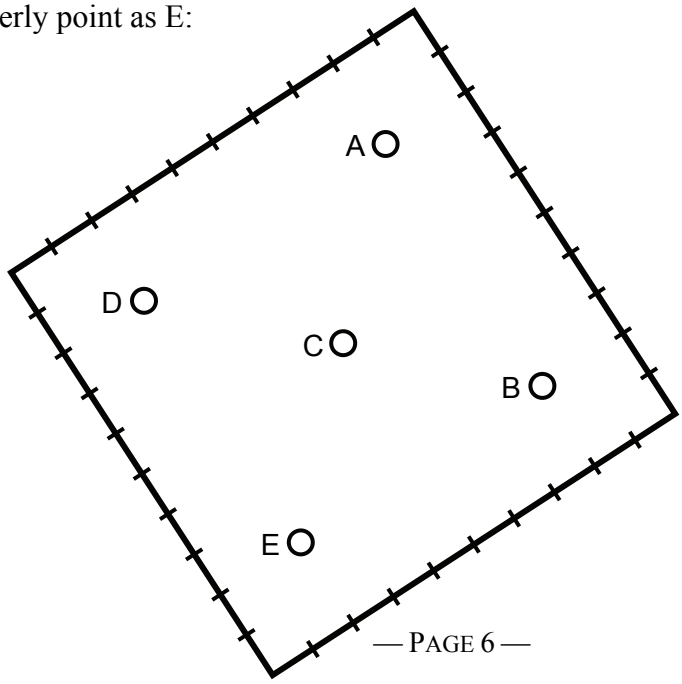
RANDOM GRID SELECTION

NUMBER	GRID	NUMBER	GRID	NUMBER	GRID
279	D22	1192	Q67	132	B45
639	H64	273	D16	659	H84
1081	O63	445	F26	35	A35
380	E41	204	C31	1593	Y73
1482	V76	765	J40	195	C22
1427	U78	1440	V28	653	H78
1578	Y58	359	E20	991	M79
462	F43	1395	U46	1390	U41
921	L70	1330	T32	655	H80
893	L33	1500	W50	1000	M88

CMG marked the approximate center point of the selected grid squares at the Site on September 18, 2017 by driving a wooden stake into the ground at that location. We found that two of the randomly-selected grid squares were unsuitable for soil sampling: grid Y73 was actually located in the curbing and asphalt pavement of Andrew Avenue and grid F43 was in a very dense tangle of tree roots and debris (concrete rubble) in the wetland portion of the Site. Therefore CMG selected nearby grid V73 to replace Y73, and adjoining grid G43 to replace F43. Figure 4 illustrates the 30 randomly-selected grid locations.

3.2 SOIL SAMPLING & ANALYSIS

CMG returned to the Site on September 21, 22, and 27 to collect soil samples. At each grid square we measured four points 4'3" from the center stake to each of the corners of the grid so that each of these four points was 2 feet in from the top and side of the grid square. We identified the northerly point as A, the easterly point as B, the center point as C, the westerly point as D, and the southerly point as E:



CMG used a clean shovel to collect discrete soil samples from 0-6" below grade and from 6-12" below grade at each of the five points within each square. We placed an aliquot of each discrete sample into its own new glass sample jar and labeled it with the grid square ID, the depth interval, and a letter suffix to indicate from which point within the grid this discrete sample came from.

CMG then placed equal amounts of soil from each of the five discrete 0-6" samples in the grid square into a new Ziploc® bag. We thoroughly mixed the soil together inside the Ziploc® bag, then placed the resulting composite into a separate new glass sample jar and labeled it as the 0-6" composite from that grid square. CMG repeated this process with the discrete 6-12" samples to obtain a composite sample from the 6-12" depth interval within that grid square.

CMG then decontaminated the sampling shovels as described in Section 3.3 below before proceeding to the next sample grid.

CMG submitted the 60 composite samples (30 from the 0-6" depth and 30 from the 6-12" depth) to Eurofins Spectrum Analytical, Inc. (Spectrum) of Agawam, Massachusetts for PCB analysis via EPA Method 8082. We also specified that Spectrum extract samples via EPA Method 3540C Exhibit D (Soxhlet extraction). CMG retained the 300 discrete soil samples pending the outcome of composite soil analyses.

Table 2 summarizes the results of the composite soil analyses and Appendix B includes laboratory certificates of analysis and chain-of-custody documentation for this testing. CMG also provided copies of the laboratory results to the current property owner (Twenty Wayland, LLC) as required by DEP regulations. Appendix A presents a copy of the notification letter and accompanying DEP form BWSC 123.

Spectrum did not identify any PCBs above laboratory reporting limits in 30 of the 60 composite samples. Testing identified between 0.0200-0.199 mg/Kg total PCBs in 17 of the samples, between 0.200-0.999 mg/Kg in 3 samples (D22[0-6"], G43[0-6"] & G43[6-12"]), and between 1.00-9.99 mg/Kg in 2 samples (D22[6-12"] & Q47[6-12"0). CMG has color-coded these sample results both in Table 2 and on Figure 4 for ease of identification.

3.2.1 DISCRETE SOIL SAMPLE ANALYSES

As authorized by the November 13, 2017 'Addendum to Change Order 2,' CMG submitted the five discrete soil subsamples (A through E) for each of the five composite samples which had exceeded 0.2 mg/Kg total PCBs for individual analysis of PCBs via EPA Method 8082 (with Soxhlet extraction). The third page of Table 2 summarizes the results of this additional testing. Ten of the 25 discrete soil samples did not exhibit any PCBs above laboratory reporting limits (those from grid square D22). Each of the other 15 discrete samples exhibited Aroclor 1254 at concentrations between 0.0300-0.413 mg/Kg and 14 of these also exhibited Aroclor 1260 at concentrations between 0.0250-0.576 mg/Kg. However, none of the discrete soil samples exhibited total PCBs above 1 mg/Kg (the highest was 0.928 mg/Kg in sample G43-E [0-6"]).

3.2.2 CONCLUSIONS

Since CMG combined equal amounts of soil from five discrete samples to make up the composite samples, a result below 0.2 mg/Kg means that no discrete soil sample should exceed the RCS-1 reportable concentration standard of 1 mg/Kg, and a result below 10 mg/Kg means that no discrete soil sample should exceed the TSCA threshold value of 50 mg/Kg. The highest detected PCB concentration was 4.62 mg/Kg in the 6-12" sample from grid Q47. This means that the

highest possible total PCB concentration in a discrete sample from this grid square would be approximately 23.1 mg/Kg, less than half the TSCA threshold value.

Composite soil samples D22 (6-12") and Q47 (6-12") each exhibited total PCBs above the applicable RCS-1 reportable concentration standard of 1 mg/Kg. Nonetheless, Raytheon Company had previously notified DEP of much higher concentrations of PCBs in soil at their former facility on July 25, 1996 as noted in Section 2.1 above (RTN 3-14042). Therefore DEP does not require additional notification because of the findings of CMG's recent soil sampling.

It is mathematically possible that one or more discrete soil samples from grid squares D22 (0-6" depth) and G43 (both 0-6" and 6-12" depths) would exceed the RCS-1 reportable concentration of 1 mg/Kg, and it seemed likely that one or more discrete soil samples from grid squares D22 (6-12" depth) and Q47 (6-12" depth) would exceed the RCS-1 reportable concentration value. However, subsequent analyses did not identify total PCBs above 1 mg/Kg in any of the discrete soil samples from these five grid squares.

CMG has discussed the PCB testing results with Spectrum and offer the following possibilities to resolve the differences between discrete vs. composite sample analyses:

- The two composite samples from grid square D22 were the only Site soil samples to identify Aroclor 1248 (at 0.485 mg/Kg in the 0-6" composite and 1.42 mg/Kg in the 6-12" composite). This particular Aroclor mixture is seldom identified; it was not used in electrical equipment, but was occasionally employed in hydraulic fluids, vacuum pumps, and as a plasticizing agent in synthetic rubber. Since Spectrum did not identify any Aroclor 1248 (or other PCB mixtures) in the 10 discrete subsamples from grid square D22, the most likely explanation is that the identified Aroclor 1248 was associated with some small piece of debris that made it into the composite sample mixture but was left out of the discrete subsamples. (CMG encountered a significant amount of debris embedded in soil at the D22 grid square.) We conclude that the identification of Aroclor 1248 was an anomaly likely associated with encountered debris and not representative of the actual soil material within grid square D22.
- The samples from grid square G43 exhibited similar concentrations of Aroclor 1254 and Aroclor 1260 between the composite and discrete samples. The average concentration of Aroclor 1254 in the 0-6" discrete samples was 0.283 mg/Kg (88% more than identified in the composite) and the average concentration of Aroclor 1260 in the 6-12" discrete samples was 0.324 mg/Kg (103% more than identified in the composite). The average concentration of Aroclor 1254 in the 6-12" discrete samples was 0.233 mg/Kg (36% more than identified in the composite) and the average concentration of Aroclor 1260 in the 6-12" discrete samples was 0.244 mg/Kg (33% more than identified in the composite). Thus the variation between discrete and composite samples was within acceptable ranges at grid square G43.
- The 6-12" composite sample from grid square Q67 exhibited 4.62 mg/Kg of Aroclor 1254 (and no Aroclor 1260 above laboratory reporting limits). The 6-12" discrete samples from this location exhibited an average concentration of 0.0365 mg/Kg of Aroclor 1254 and 0.0329 mg/Kg of Aroclor 1260. Thus it is clear that the composite sample results do not agree with the discrete sample results at this location. The 6-12" discrete sample averages from grid square Q47 were more

similar to the composite sample results for the 0-6" composite sample from this location (0.0771 mg/Kg Aroclor 1254 and 0.0391 mg/Kg Aroclor 1260). Thus the preponderance of evidence from the five discrete 6-12" samples indicates that the elevated concentration of Aroclor 1254 identified in the 6-12" composite sample is anomalous. CMG opines that this elevated concentration is not truly representative of soil material within grid square Q67, and the average concentration of the discrete samples is a more accurate representation of actual PCB content in soil 6-12" below grade at this location. It is possible that the elevated Aroclor 1254 results in the Q67 (6-12") composite sample are due to inclusion of a small amount of debris that was not present in the discrete samples from that depth (Aroclor 1254 was most commonly used in capacitors, not electrical transformers).

CMG performed statistical analysis of the composite sample results to calculate an average exposure point concentration (EPC) for total PCBs in surficial and shallow Site soil. We also ran the same statistical analysis substituting the average concentration of each set of 5 discrete samples for the corresponding composite sample laboratory results. The following table summarizes our statistical analyses.

TOTAL PCBS (MG/KG)

CALCULATIONS USING ONLY LABORATORY COMPOSITE SAMPLE RESULTS			
DEPTH	**AVERAGE**	**STANDARD DEVIATION**	**95% UCL**
0-6"(30 samples)	0.0694	0.0989	0.272
6-12" (30 samples)	0.243	0.866	2.01[1]
All 60 samples	0.156	0.617	1.39[2]
CALCULATIONS USING ALL AVAILABLE DISCRETE SAMPLE AVERAGES			
DEPTH	**AVERAGE**	**STANDARD DEVIATION**	**95% UCL**
0-6" (28 composite, 10 discrete samples)	0.0639	0.109	0.286[3]
6-12" (27 composite, 15 discrete samples)	0.0489	0.0835	0.220[3]
All samples (55 composite, 25 discrete samples)	0.0564	0.0964	0.249[3]

95% UCL (UPPER CONFIDENCE LEVEL) IS THE CONCENTRATION AT WHICH ONE CAN STATISTICALLY BE 95% CERTAIN THAT THE TRUE AVERAGE VALUE DOES NOT EXCEED THE CALCULATED AVERAGE VALUE.

[1]THE CONFIDENCE INTERVAL THAT SOIL AT THIS DEPTH IS <1 MG/KG IS >61%

[2]THE CONFIDENCE INTERVAL THAT THE OVERALL SITE CONCENTRATION IS <1 MG/KG IS >81%

[3]CMG DID NOT ATTEMPT TO CORRECT THE STUDENT'S $T_{0.025}$ VALUE USED TO CALCULATE 95% UCL VALUES FOR THE ADDITIONAL DEGREES OF FREEDOM RESULTING FROM INCORPORATING AVERAGE DISCRETE SAMPLE CONCENTRATIONS INTO THE OVERALL SITE TOTAL PCB AVERAGES. THUS THE TRUE 95% UCL VALUES ARE SLIGHTLY LOWER THAN THOSE LISTED ABOVE.

These statistical calculations demonstrate that the average EPC for total PCBs in surficial Site soils is less than 1 mg/Kg, which is DEP's Method 1 risk characterization standard for category S-1 (unrestricted use) soil. This means that as far as PCBs in soil are concerned, any future use of the Site would meet the DEP requirement of No Significant Risk of harm to health, safety, public welfare or the environment.

3.3 EQUIPMENT DECONTAMINATION & WASTE DISPOSAL

3.3.1 DECONTAMINATION

CMG purchased new shovels for use in sample collection at the Site, along with new scrub brushes to clean these shovels. We decontaminated shovels as follows:

- Manual brushing to remove any encrusted soil,
- Wash with potable water and Alkanox® using a scrub brush,
- Spray rinse with clean water to remove soapy residue, and
- Final rinse with technical-grade hexane.

CMG collected wash water and hexane used for rinsing in a 5-gallon bucket.

After decontamination but prior to first use, CMG collected a wipe sample from one of the cleaned shovels (randomly chosen) by wiping the entire blade surface front and back with a sample wipe wetted with hexane (provided by Spectrum). We then placed the used wipe (designated Wipe-1) into the precleaned VOA vial provided by Spectrum. CMG also collected a wipe sample at the end of the first day of sampling (9/21/17) in the same manner (designated Wipe-2). We also placed an unused wipe into a precleaned VOA vial as a field blank (Blank Wipe).

CMG repeated this procedure on the second day of sampling (9/22/17) to obtain samples Wipe-3 and Wipe-4, and on the third day of sampling (9/27/17) to obtain samples Wipe-5 and Wipe-6. We did not collect any further field blank wipe samples.

CMG submitted the 7 wipe samples to Spectrum for PCB analysis via EPA Method 8082 and requested Soxhlet extraction per EPA Method 3540C Exhibit D. Table 2 summarizes the results of wipe testing and Appendix B includes Spectrum data sheets for the wipe samples. Testing did not identify any PCBs above the laboratory reporting limit of 0.20 µg/wipe.

3.3.2 WASTE DISPOSAL

CMG has requested New England Disposal Technology (NEDT) arrange for proper disposal of the 5-gallon pail containing rinse water and spent hexane collected during sampling equipment decontamination. We will provide documentation for proper liquid waste disposal after we complete the disposal process.

CMG plans to return unused discrete soil samples to the Site after the Town of Wayland has accepted this Report.

4.0 LIMITATIONS & CONDITIONS

4.1 METHODOLOGY

CMG Environmental, Inc. conducted soil sampling for PCBs at the Site in general conformance with TSCA Subpart O (40 CFR Part 761.280 through 761.298). We conducted sampling equipment decontamination in accordance with TSCA Subpart S (40 CFR Part 761.360 through 761.378).

4.2 SCOPE OF SERVICES

Wayland Town Administrator Nannette F. Balmer authorized CMG to conduct soil sampling for PCBs at the Site on August 29, 2017. We performed the following scope of services in between September and November 2017:

- Reviewed previous environmental reports prepared on the Site and former Raytheon property;
- Determined a system for random statistical soil sampling;
- Collected a total of 300 discrete soil samples for PCBs at the Site and combined these into 60 composite samples in general conformance with TSCA Subpart O;
- Decontaminated soil sampling equipment in conformance with TSCS Subpart S;
- Prepared figures illustrating Site sampling locations;
- Submitted composite soil samples from 30 locations (at two different depths) for laboratory analysis of PCBs via EPA Method 8082;
- Submitted 25 discrete subsamples for additional laboratory analysis of PCBs via EPA Method 8082;
- Tabulated analytical results and compared these to DEP and EPA standards;
- Conducted statistical analysis of the analytical results;
- Provided notification of the soil sampling results to the property owner;
- Arranged for proper disposal of excess soil samples and decontamination waste; and
- Prepared this Soil Sampling Report.

4.3 GENERAL LIMITATIONS

CMG prepared this Report to assess current recognized environmental conditions at the subject Site in accordance with generally accepted engineering and hydrogeologic practices. We make no other warranty, express or implied. CMG cannot provide absolute assurance that we have identified any and all recognized environmental conditions at the Site.

Where CMG included visual or other observations in this report, they represent conditions visibly and/or physically observed at the time of the inspection, or verified through interviewing or by record review, and may not be indicative of past or future Site conditions.

4.4 SPECIFIC CONDITIONS OF THE SOIL SAMPLING REPORT

CMG based the conclusions of this report, in large part, on information provided by the client, their agents, or third parties, including state or local officials. We assume no responsibility for the accuracy and completeness of this information.

CMG's subsurface investigation included the collection and laboratory analysis of soil samples from a limited number of locations at the Site. However, CMG did not intend this study to be a definitive investigation of surficial and shallow subsurface conditions at the Site. CMG restricted the scope of services for this investigation due to time and/or cost constraints, and though we did undertake a significant amount of analytical testing, currently unrecognized subsurface conditions may exist at the Site. Increasing exploration (such as placement of test pits, completion of additional soil borings with subsequent collection of soil samples for laboratory analysis, installation of additional groundwater monitoring wells with subsequent collection of groundwater samples for

laboratory analysis, and conducting surface geophysical survey techniques) may better delineate subsurface conditions.

CMG's Site inspection included observing the Site and surrounding area. However not all Site property boundaries were clearly delineated, making it difficult to distinguish certain Site features from those of the surrounding area. Therefore, the location of certain Site features described in this Report and depicted on the figures may be approximate.

4.5 RELIANCE

CMG prepared this Soil Sampling Report for the sole use of The Town of Wayland and its Board of Selectmen, their successors and assigns in connection with assessing recognized environmental conditions at the subject Site. We do not authorize use of this information by others for any reason, except with our prior written consent.

5.0 REFERENCES

WAYLAND

Assessor's Office: available online records reviewed October 2017.

MASSACHUSETTS

Department of Environmental Protection "Reportable Release Lookup" information obtained from http://public.dep.state.ma.us/SearchableSites2/Search.aspx.]

Department of Environmental Protection: Massachusetts Contingency Plan regulations (310 CMR 40.0000), April 25, 2017 revision.

Division of Water Pollution Control regulations (314 CMR 4.00), December 27, 1996 revision.

UNITED STATES

Electronic Code of Federal Regulations (https://www.ecfr.gov) accessed September 13, 2017.

Geological Survey: "Natick, Massachusetts" 7.5×15-minute metric series topographic quadrangle, dated 1987.

PREVIOUS ENVIRONMENTAL REPORTS

Environmental Resources Management, Inc.: "Phase I – Initial Site Investigation, Raytheon Electronic Systems, 430 Boston Post Road, Wayland, MA" (RTN 3-13302) dated May 1996.

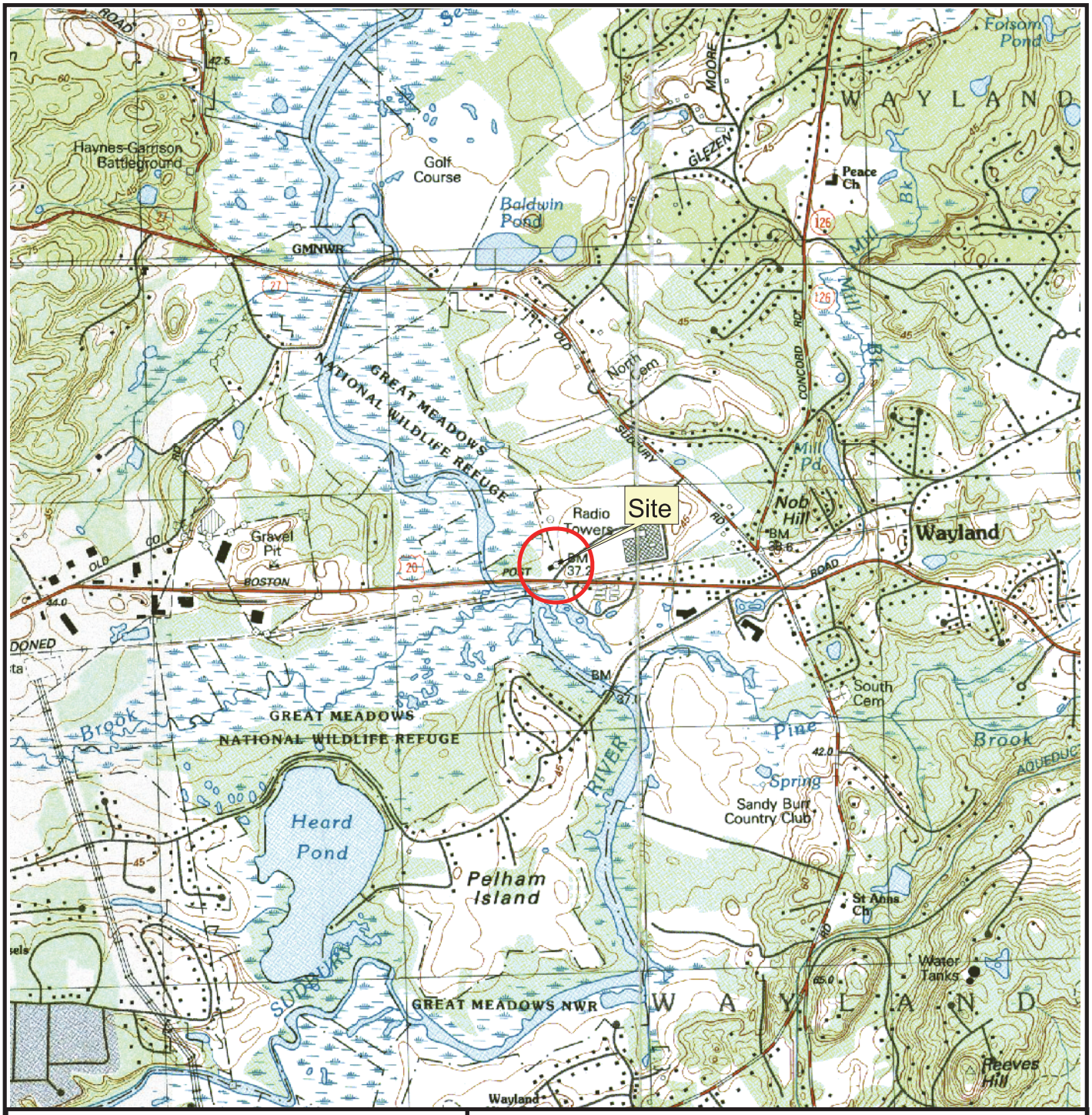
Environmental Resources Management, Inc.: "Assessment and Imminent Hazard Evaluation, Raytheon Electronic Systems, 430 Boston Post Road, Wayland, Massachusetts" (RTN 3-14042) dated August 28, 1996;

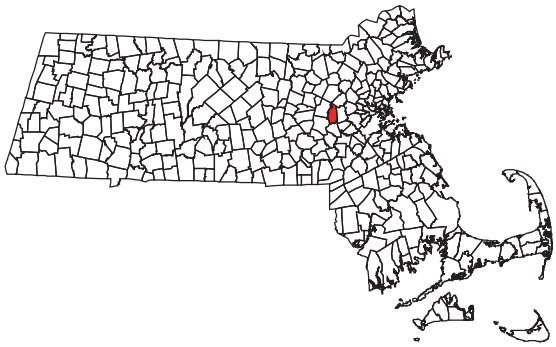
Environmental Resources Management, Inc.: "Phase II Comprehensive Site Assessment, Former Raytheon Facility, 430 Boston Post Road, Wayland, Massachusetts" (RTN 3-13302) dated November 27, 2001.

CMG Environmental, Inc.: "Phase I Environmental Site Assessment, Wayland Town Center Municipal Parcel, Boston Post Road/Andrew Avenue Wayland, Massachusetts" dated July 21, 2015.

CMG Environmental, Inc.: Letter report re: "Soil Sampling Addendum to July 21, 2015 Phase I ESA "Municipal Parcel" Portion of Wayland Town Center" dated August 17, 2015.

FIGURES





TOWN LOCATION - WAYLAND, MA

FIGURE 1
SITE LOCATION

WTP Municipal Parcel
Wayland, Massachusetts
CMG ID 2014-055

SCALE 1:24000

0.5 0 0.5 Miles

N

ENVIRONMENTAL SERVICES CMG EST. 2002 ENGINEERING SERVICES

67 HALL ROAD, STURBRIDGE MA 01566

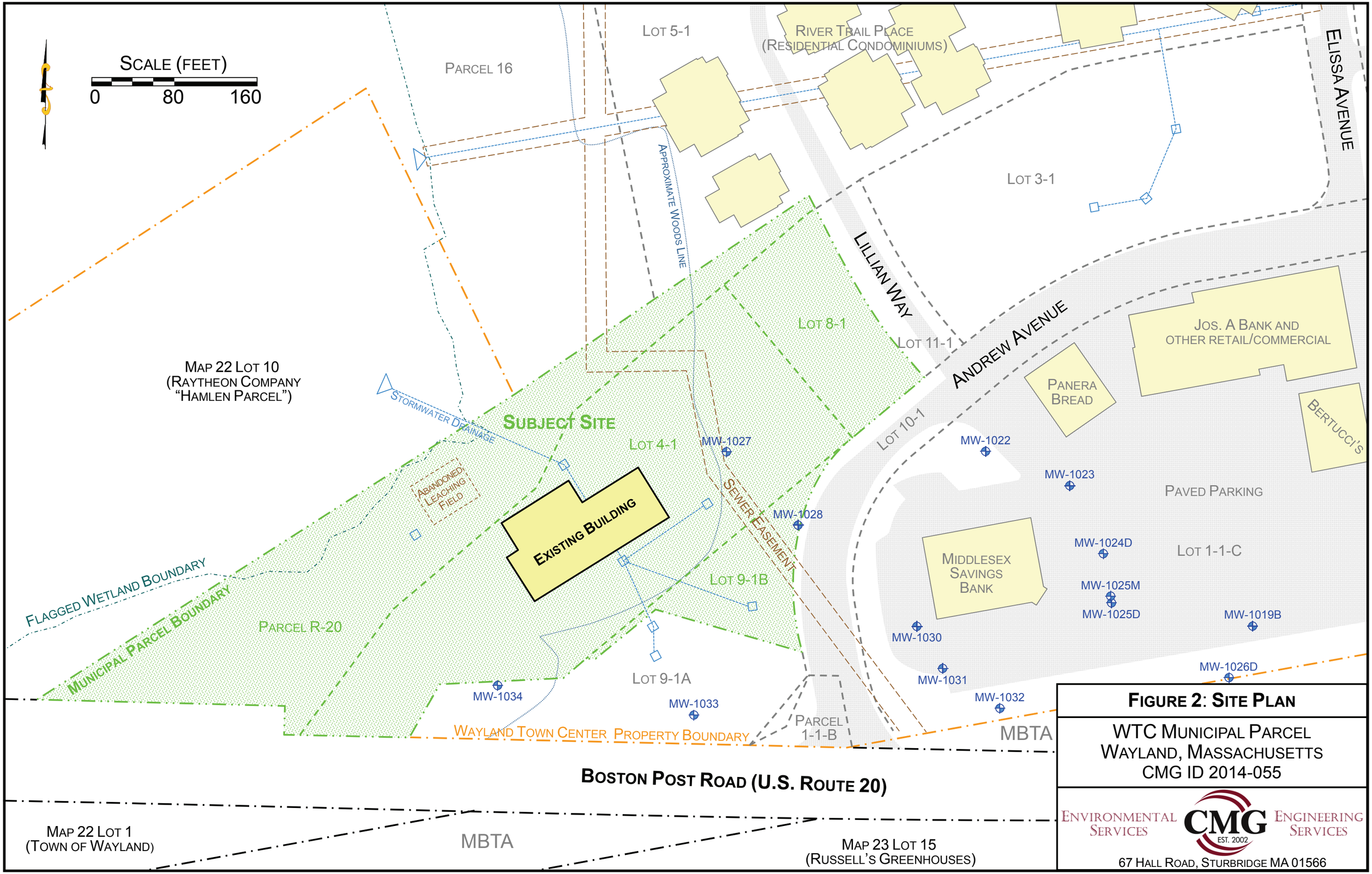


Figure 2: Site Plan

WTC Municipal Parcel
Wayland, Massachusetts
CMG ID 2014-055

Environmental Services CMG Est. 2002 Engineering Services

67 Hall Road, Sturbridge MA 01566

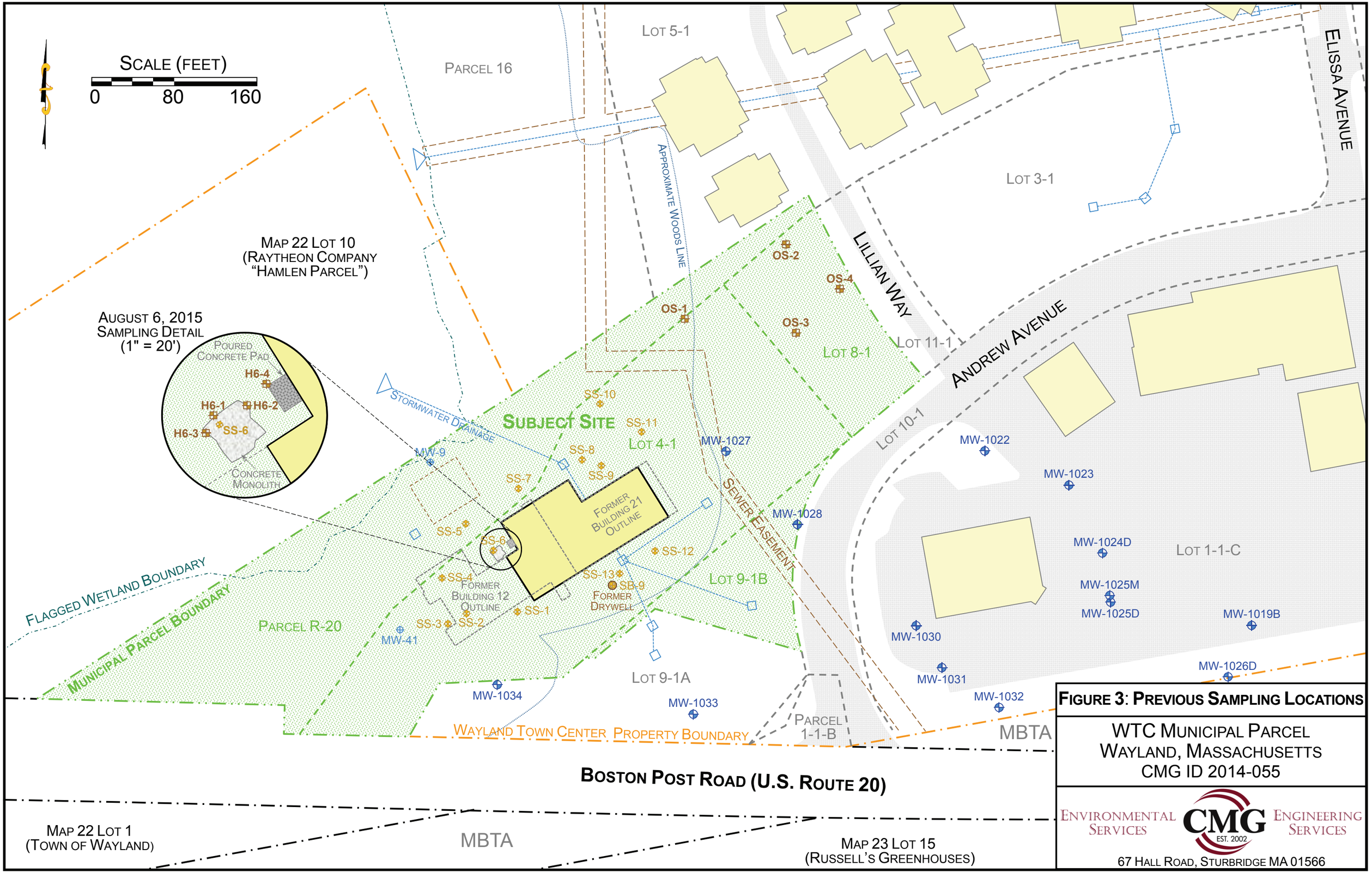


Figure 3: Previous Sampling Locations

WTC Municipal Parcel
Wayland, Massachusetts
CMG ID 2014-055

Environmental Services CMG Est. 2002 Engineering Services

67 Hall Road, Sturbridge MA 01566

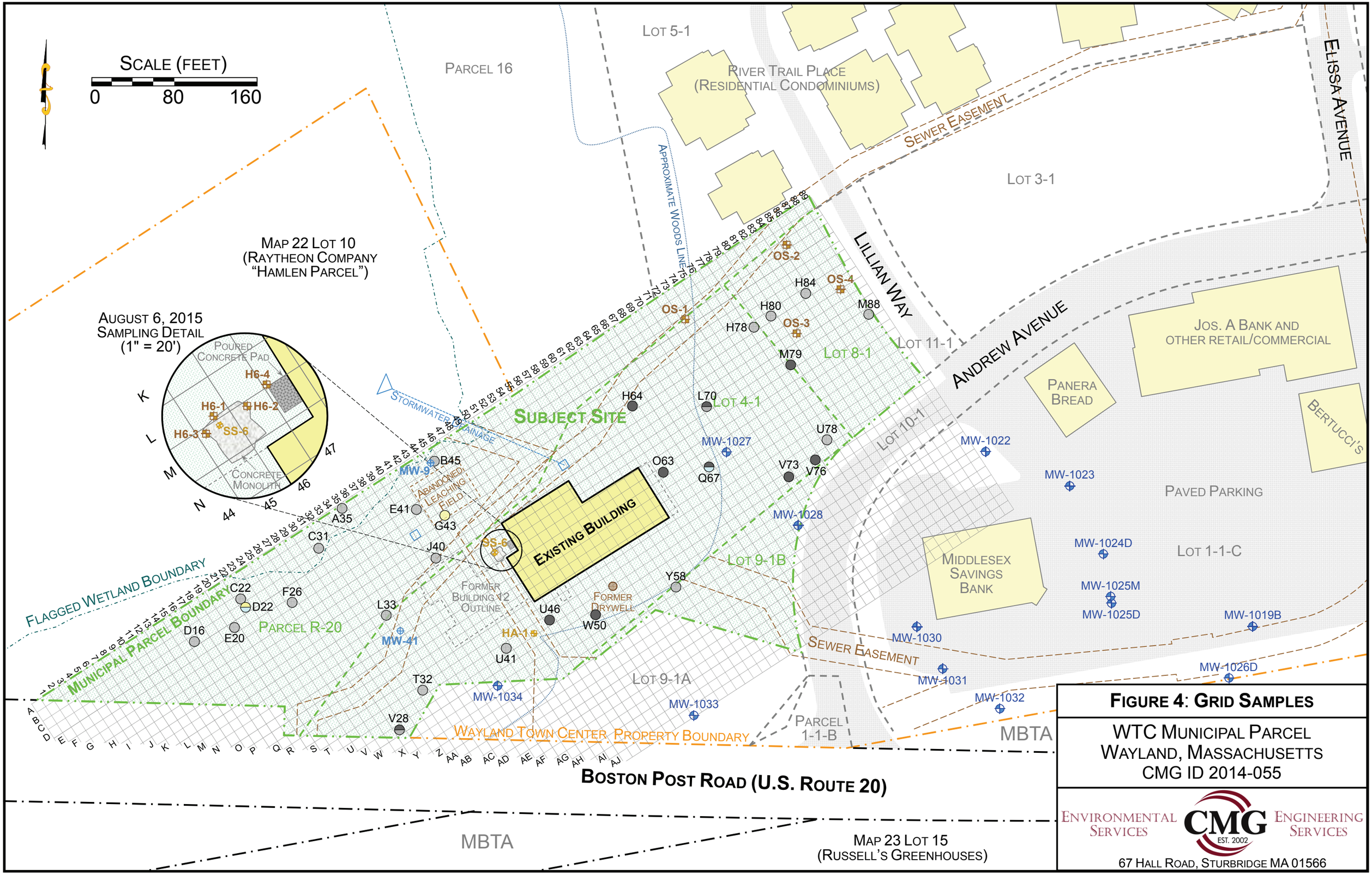


Figure 4: Grid Samples

WTC Municipal Parcel
Wayland, Massachusetts
CMG ID 2014-055

Environmental Services — CMG EST. 2002 — Engineering Services

67 Hall Road, Sturbridge MA 01566

TABLES

Test	Parameter	RCS-1 Reportable Concentrations	SB-9 3½-5½' 10/13/95	[HA] SS-1 0-3' 10/11/00	[HA] SS-4 0-3' 10/11/00	[HA] SS-5 0-3' 10/11/00	[HA] SS-6 0-3' 10/11/00	[HA] SS-7 0-3' 10/11/00	[HA] SS-8 0-3' 10/11/00	[HA] SS-9 0-3' 10/11/00	[HA] SS-11 0-3' 10/11/00	[HA] SS-12 0-3' 10/11/00	[HA] SS-13 0-3' 10/11/00
EPH	C_9-C_{18} Aliphatics	**1,000**	NT	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*
	C_{19}-C_{36} Aliphatics	**3,000**	NT	*BRL*	*BRL*	84	250	220	*BRL*	*BRL*	56	53	*BRL*
	C_{11}-C_{22} Aromatics	**1,000**	NT	*BRL*	*BRL*	*BRL*	2,400	55	*BRL*	*BRL*	140	40	*BRL*
PAHs	Phenanthrene	**10**	*BRL*	*BRL*	*BRL*	*BRL*	0.48	*BRL*	*BRL*	*BRL*	0.45	*BRL*	*BRL*
	Fluoranthene	**1,000**	*BRL*	*BRL*	*BRL*	*BRL*	0.96	*BRL*	*BRL*	*BRL*	1.8	*BRL*	*BRL*
	Pyrene	**1,000**	*BRL*	*BRL*	*BRL*	*BRL*	0.72	*BRL*	*BRL*	*BRL*	1.4	*BRL*	*BRL*
	Benzo(a)anthracene	**7**	*BRL*	*BRL*	*BRL*	*BRL*	0.43	*BRL*	*BRL*	*BRL*	0.92	*BRL*	*BRL*
	Chrysene	**70**	*BRL*	*BRL*	*BRL*	*BRL*	0.36	*BRL*	*BRL*	*BRL*	0.74	*BRL*	*BRL*
	Benzo(b)fluoranthene	**7**	*BRL*	*BRL*	*BRL*	*BRL*	0.55	*BRL*	*BRL*	*BRL*	1.2	*BRL*	*BRL*
	Benzo(k)fluoranthene	**70**	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	0.45	*BRL*	*BRL*
	Benzo(a)pyrene	**2**	*BRL*	*BRL*	*BRL*	*BRL*	0.45	*BRL*	*BRL*	*BRL*	1.0	*BRL*	*BRL*
	Indeno(1,2,3-cd)pyrene	**7**	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	0.48	*BRL*	*BRL*
	Benzo(g,h,i)perylene	**1,000**	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	0.45	*BRL*	*BRL*
PCBs	Aroclor 1254		*BRL*	*BRL*	*BRL*	*BRL*	0.51	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*
	Aroclor 1260		*BRL*	0.14	*BRL*	*BRL*	0.74	*BRL*	*BRL*	*BRL*	*BRL*	0.18	*BRL*
	Total Polychlorinated Biphenyl	**1**	*BRL*	0.14	*BRL*	*BRL*	1.25	*BRL*	*BRL*	*BRL*	*BRL*	0.18	*BRL*
Total Metals	Arsenic	**20**	4.7	*BRL*	*BRL*	*BRL*	7.5	*BRL*	7.2	13	NT	*BRL*	7.3
	Barium	**1,000**	22	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Cadmium	**70**	9.6	*BRL*	*BRL*	*BRL*	0.56	*BRL*	*BRL*	*BRL*	NT	*BRL*	*BRL*
	Chromium (total)	**100**	*BRL*	*BRL*	*BRL*	*BRL*	12	*BRL*	*BRL*	*BRL*	NT	*BRL*	*BRL*
	Copper	**1,000**	NT	*BRL*	25	*BRL*	26	27	*BRL*	*BRL*	NT	*BRL*	*BRL*
	Lead	**200**	4.4	12	*BRL*	13	19	15	*BRL*	*BRL*	NT	14	16
	Mercury	**20**	*BRL*	*BRL*	*BRL*	0.090	0.097	*BRL*	*BRL*	*BRL*	NT	0.18	*BRL*
	Nickel	**600**	NT	*BRL*	*BRL*	*BRL*	16	*BRL*	*BRL*	11	NT	*BRL*	11
	Selenium	**400**	0.84	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	*BRL*	NT	*BRL*	*BRL*
	Zinc	**1,000**	NT	61	*BRL*	62	85	64	*BRL*	*BRL*	NT	*BRL*	65

Notes *BRL = Below laboratory Reporting Limit*
NT = Not Tested (for that parameter)
Blue highlighted text = Exceeds (current) RCS-1 standard

CMG omitted samples [HA] SS-3, SS-3 & SS-10 from this table because testing did not identify any EPH or PAHs above laboratory reporting limits, and Haley & Aldritch did not have these samples analyzed for total metals

Test	Parameter	RCS-1 Reportable Concentrations	OS-1 1-4" 8/6/15	OS-2 ¾-3½" 8/6/15	OS-3 1-4" 8/6/15	PS-4 1-4" 8/6/15	H6-1 0-4" 8/6/15	H6-2 0-4" 8/6/15	H6-3 0-4" 8/6/15	H6-4 0-4" 8/6/15
EPH	C_9-C_{18} Aliphatics	**1,000**	NT	NT	NT	NT	NT	NT	NT	NT
	C_{19}-C_{36} Aliphatics	**3,000**	NT	NT	NT	NT	NT	NT	NT	NT
	C_{11}-C_{22} Aromatics	**1,000**	NT	NT	NT	NT	NT	NT	NT	NT
PAHs	Phenanthrene	**10**	NT	NT	NT	NT	NT	NT	NT	NT
	Fluoranthene	**1,000**	NT	NT	NT	NT	NT	NT	NT	NT
	Pyrene	**1,000**	NT	NT	NT	NT	NT	NT	NT	NT
	Benzo(a)anthracene	**7**	NT	NT	NT	NT	NT	NT	NT	NT
	Chrysene	**70**	NT	NT	NT	NT	NT	NT	NT	NT
	Benzo(b)fluoranthene	**7**	NT	NT	NT	NT	NT	NT	NT	NT
	Benzo(k)fluoranthene	**70**	NT	NT	NT	NT	NT	NT	NT	NT
	Benzo(a)pyrene	**2**	NT	NT	NT	NT	NT	NT	NT	NT
	Indeno(1,2,3-cd)pyrene	**7**	NT	NT	NT	NT	NT	NT	NT	NT
	Benzo(g,h,i)perylene	**1,000**	NT	NT	NT	NT	NT	NT	NT	NT
PCBs	Aroclor 1254		*BRL<0.0213*	*BRL<0.0213*	*BRL<0.0202*	*BRL<0.0202*	*BRL<0.0197*	*BRL<0.0232*	*BRL<0.0202*	*BRL<0.0240*
	Aroclor 1260		0.220	0.0255	0.0335	0.0263	0.110	0.153	0.0364	0.217
	Total Polychlorinated Biphenyl	**1**	0.220	0.0255	0.0335	0.0263	0.110	0.153	0.0364	0.217
Total Metals	Arsenic	**20**	NT	NT	NT	NT	NT	NT	NT	NT
	Barium	**1,000**	NT	NT	NT	NT	NT	NT	NT	NT
	Cadmium	**70**	NT	NT	NT	NT	NT	NT	NT	NT
	Chromium (total)	**100**	NT	NT	NT	NT	NT	NT	NT	NT
	Copper	**1,000**	NT	NT	NT	NT	NT	NT	NT	NT
	Lead	**200**	NT	NT	NT	NT	NT	NT	NT	NT
	Mercury	**20**	NT	NT	NT	NT	NT	NT	NT	NT
	Nickel	**600**	NT	NT	NT	NT	NT	NT	NT	NT
	Selenium	**400**	NT	NT	NT	NT	NT	NT	NT	NT
	Zinc	**1,000**	NT	NT	NT	NT	NT	NT	NT	NT

Notes *BRL = Below laboratory Reporting Limit*
NT = Not Tested (for that parameter)
Blue highlighted text = Exceeds (current) RCS-1 standard

Grid Location	Depth	Date Sampled	Aroclor Mixture Identifications 1016	1221	1232	1242	1248	1254	1260	1262	1268	Percent Solids	Total PCBs
A35	0-6"	9/22/17	BRL<0.0297	BRL<0.0297	BRL<0.0297	BRL<0.0297	BRL<0.0297	BRL<0.0297	BRL<0.0297	BRL<0.0297	BRL<0.0297	65.6%	BRL<0.0297
	6-12"		BRL<0.0306	BRL<0.0306	BRL<0.0306	BRL<0.0306	BRL<0.0306	BRL<0.0306	BRL<0.0306	BRL<0.0306	BRL<0.0306	65.2%	BRL<0.0306
B45	0-6"	9/27/17	BRL<0.0222	BRL<0.0222	BRL<0.0222	BRL<0.0222	BRL<0.0222	BRL<0.0222	BRL<0.0222	BRL<0.0222	BRL<0.0222	89.2%	BRL<0.0222
	6-12"		BRL<0.0210	BRL<0.0210	BRL<0.0210	BRL<0.0210	BRL<0.0210	BRL<0.0210	BRL<0.0210	BRL<0.0210	BRL<0.0210	93.7%	BRL<0.0210
C22	0-6"	9/22/17	BRL<0.0228	BRL<0.0228	BRL<0.0228	BRL<0.0228	BRL<0.0228	BRL<0.0228	BRL<0.0228	BRL<0.0228	BRL<0.0228	84.5%	BRL<0.0228
	6-12"		BRL<0.0221	BRL<0.0221	BRL<0.0221	BRL<0.0221	BRL<0.0221	BRL<0.0221	BRL<0.0221	BRL<0.0221	BRL<0.0221	86.8%	BRL<0.0221
C31	0-6"	9/22/17	BRL<0.0282	BRL<0.0282	BRL<0.0282	BRL<0.0282	BRL<0.0282	BRL<0.0282	BRL<0.0282	BRL<0.0282	BRL<0.0282	68.0%	BRL<0.0282
	6-12"		BRL<0.0288	BRL<0.0288	BRL<0.0288	BRL<0.0288	BRL<0.0288	BRL<0.0288	BRL<0.0288	BRL<0.0288	BRL<0.0288	67.3%	BRL<0.0288
D16	0-6"	9/22/17	BRL<0.0201	BRL<0.0201	BRL<0.0201	BRL<0.0201	BRL<0.0201	BRL<0.0201	BRL<0.0201	BRL<0.0201	BRL<0.0201	93.2%	BRL<0.0201
	6-12"		BRL<0.0201	BRL<0.0201	BRL<0.0201	BRL<0.0201	BRL<0.0201	BRL<0.0201	BRL<0.0201	BRL<0.0201	BRL<0.0201	95.4%	BRL<0.0201
D22	0-6"	9/22/17	BRL<0.0236	BRL<0.0236	BRL<0.0236	BRL<0.0236	0.485	BRL<0.0236	BRL<0.0236	BRL<0.0236	BRL<0.0236	83.2%	0.485
	6-12"		BRL<0.0233	BRL<0.0233	BRL<0.0233	BRL<0.0233	1.42	BRL<0.0233	BRL<0.0233	BRL<0.0233	BRL<0.0233	85.3%	1.42
E20	0-6"	9/22/17	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	88.7%	BRL<0.0216
	6-12"		BRL<0.0220	BRL<0.0220	BRL<0.0220	BRL<0.0220	BRL<0.0220	BRL<0.0220	BRL<0.0220	BRL<0.0220	BRL<0.0220	90.4%	BRL<0.0220
E41	0-6"	9/27/17	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	89.8%	BRL<0.0216
	6-12"		BRL<0.0218	BRL<0.0218	BRL<0.0218	BRL<0.0218	BRL<0.0218	BRL<0.0218	BRL<0.0218	BRL<0.0218	BRL<0.0218	90.2%	BRL<0.0218
F26	0-6"	9/22/17	BRL<0.0229	BRL<0.0229	BRL<0.0229	BRL<0.0229	BRL<0.0229	BRL<0.0229	BRL<0.0229	BRL<0.0229	BRL<0.0229	84.6%	BRL<0.0229
	6-12"		BRL<0.0240	BRL<0.0240	BRL<0.0240	BRL<0.0240	BRL<0.0240	BRL<0.0240	BRL<0.0240	BRL<0.0240	BRL<0.0240	80.7%	BRL<0.0240
G43	0-6"	9/27/17	BRL<0.0217	BRL<0.0217	BRL<0.0217	BRL<0.0217	BRL<0.0217	0.150	0.160	BRL<0.0217	BRL<0.0217	90.3%	0.310
	6-12"		BRL<0.0208	BRL<0.0208	BRL<0.0208	BRL<0.0208	BRL<0.0208	0.171	0.183	BRL<0.0208	BRL<0.0208	92.4%	0.354
H64	0-6"	9/21/17	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	0.0653	0.0465	BRL<0.0213	BRL<0.0213	92.3%	0.112
	6-12"		BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	0.0677	0.0545	BRL<0.0216	BRL<0.0216	92.3%	0.122
H78	0-6"	9/21/17	BRL<0.0209	BRL<0.0209	BRL<0.0209	BRL<0.0209	BRL<0.0209	BRL<0.0209	BRL<0.0209	BRL<0.0209	BRL<0.0209	92.3%	BRL<0.0209
	6-12"		BRL<0.0207	BRL<0.0207	BRL<0.0207	BRL<0.0207	BRL<0.0207	BRL<0.0207	BRL<0.0207	BRL<0.0207	BRL<0.0207	94.0%	BRL<0.0207
H80	0-6"	9/21/17	BRL<0.0206	BRL<0.0206	BRL<0.0206	BRL<0.0206	BRL<0.0206	BRL<0.0206	BRL<0.0206	BRL<0.0206	BRL<0.0206	92.0%	BRL<0.0206
	6-12"		BRL<0.0211	BRL<0.0211	BRL<0.0211	BRL<0.0211	BRL<0.0211	BRL<0.0211	BRL<0.0211	BRL<0.0211	BRL<0.0211	93.1%	BRL<0.0211
H84	0-6"	9/21/17	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	91.9%	BRL<0.0214
	6-12"		BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	92.4%	BRL<0.0216
J40	0-6"	9/27/17	BRL<0.0205	BRL<0.0205	BRL<0.0205	BRL<0.0205	BRL<0.0205	BRL<0.0205	BRL<0.0205	BRL<0.0205	BRL<0.0205	95.2%	BRL<0.0205
	6-12"		BRL<0.0211	BRL<0.0211	BRL<0.0211	BRL<0.0211	BRL<0.0211	BRL<0.0211	BRL<0.0211	BRL<0.0211	BRL<0.0211	91.9%	BRL<0.0211
L33	0-6"	9/22/17	BRL<0.0222	BRL<0.0222	BRL<0.0222	BRL<0.0222	BRL<0.0222	BRL<0.0222	BRL<0.0222	BRL<0.0222	BRL<0.0222	88.5%	BRL<0.0222
	6-12"		BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	92.2%	BRL<0.0216
L70	0-6"	9/21/17	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	0.0348	BRL<0.0214	BRL<0.0214	93.1%	0.0348
	6-12"		BRL<0.0207	BRL<0.0207	BRL<0.0207	BRL<0.0207	BRL<0.0207	BRL<0.0207	BRL<0.0207	BRL<0.0207	BRL<0.0207	93.6%	BRL<0.0207
M79	0-6"	9/21/17	BRL<0.0208	BRL<0.0208	BRL<0.0208	BRL<0.0208	BRL<0.0208	0.0532	0.0353	BRL<0.0208	BRL<0.0208	92.1%	0.0885
	6-12"		BRL<0.0208	BRL<0.0208	BRL<0.0208	BRL<0.0208	BRL<0.0208	BRL<0.0208	0.0462	BRL<0.0208	BRL<0.0208	92.8%	0.0462
M88	0-6"	9/21/17	BRL<0.0205	BRL<0.0205	BRL<0.0205	BRL<0.0205	BRL<0.0205	BRL<0.0205	BRL<0.0205	BRL<0.0205	BRL<0.0205	94.0%	BRL<0.0205
	6-12"		BRL<0.0200	BRL<0.0200	BRL<0.0200	BRL<0.0200	BRL<0.0200	BRL<0.0200	BRL<0.0200	BRL<0.0200	BRL<0.0200	96.2%	BRL<0.0200

PCB Concentrations:

BRL<0.0###	Below laboratory reporting limit
0.0200-0.199 mg/Kg	Detection below levels of regulatory concern
0.200-0.999 mg/Kg	Potential for discrete samples to exceed DEP RCS-1 reportable concentration value
1.00-9.99 mg/Kg	Composite sample exceeds DEP RCS-1 standard of 1 mg\Kg
≥10.0 mg/Kg	Potential for discrete samples to exceed EPA TSCA threshold value of 50 mg/Kg

Grid Location	Depth	Date Sampled	Aroclor Mixture Identifications 1016	1221	1232	1242	1248	1254	1260	1262	1268	Percent Solids	Total PCBs
O63	0-6"	9/21/17	BRL<0.0228	BRL<0.0228	BRL<0.0228	BRL<0.0228	BRL<0.0228	0.0641	0.0445	BRL<0.0228	BRL<0.0228	87.1%	0.109
	6-12"		BRL<0.0219	BRL<0.0219	BRL<0.0219	BRL<0.0219	BRL<0.0219	0.0230	0.0489	BRL<0.0219	BRL<0.0219	90.7%	0.0719
Q67	0-6"	9/21/17	BRL<0.0220	BRL<0.0220	BRL<0.0220	BRL<0.0220	BRL<0.0220	0.0771	0.0391	BRL<0.0220	BRL<0.0220	89.5%	0.116
	6-12"		BRL<0.0215	BRL<0.0215	BRL<0.0215	BRL<0.0215	BRL<0.0215	4.62	BRL<0.0215	BRL<0.0215	BRL<0.0215	89.7%	4.62
T32	0-6"	9/22/17	BRL<0.0219	BRL<0.0219	BRL<0.0219	BRL<0.0219	BRL<0.0219	BRL<0.0219	BRL<0.0219	BRL<0.0219	BRL<0.0219	89.7%	BRL<0.0219
	6-12"		BRL<0.0223	BRL<0.0223	BRL<0.0223	BRL<0.0223	BRL<0.0223	BRL<0.0223	BRL<0.0223	BRL<0.0223	BRL<0.0223	89.6%	BRL<0.0223
U41	0-6"	9/22/17	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	93.1%	BRL<0.0213
	6-12"		BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	92.5%	BRL<0.0214
U46	0-6"	9/21/17	BRL<0.0210	BRL<0.0210	BRL<0.0210	BRL<0.0210	BRL<0.0210	BRL<0.0210	0.0509	BRL<0.0210	BRL<0.0210	94.9%	0.0509
	6-12"		BRL<0.0212	BRL<0.0212	BRL<0.0212	BRL<0.0212	BRL<0.0212	BRL<0.0212	0.0394	BRL<0.0212	BRL<0.0212	94.1%	0.0394
U78	0-6"	9/21/17	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	90.3%	BRL<0.0213
	6-12"		BRL<0.0205	BRL<0.0205	BRL<0.0205	BRL<0.0205	BRL<0.0205	BRL<0.0205	BRL<0.0205	BRL<0.0205	BRL<0.0205	93.1%	BRL<0.0205
V28	0-6"	9/22/17	BRL<0.0211	BRL<0.0211	BRL<0.0211	BRL<0.0211	BRL<0.0211	BRL<0.0211	0.0684	BRL<0.0211	BRL<0.0211	94.9%	0.0684
	6-12"		BRL<0.0207	BRL<0.0207	BRL<0.0207	BRL<0.0207	BRL<0.0207	BRL<0.0207	BRL<0.0207	BRL<0.0207	BRL<0.0207	93.7%	BRL<0.0207
V73	0-6"	9/21/17	BRL<0.0219	BRL<0.0219	BRL<0.0219	BRL<0.0219	BRL<0.0219	BRL<0.0219	0.0957	BRL<0.0219	BRL<0.0219	90.9%	0.0957
	6-12"		BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	0.0797	BRL<0.0213	BRL<0.0213	92.4%	0.0797
V76	0-6"	9/21/17	BRL<0.0204	BRL<0.0204	BRL<0.0204	BRL<0.0204	BRL<0.0204	BRL<0.0204	0.0690	BRL<0.0204	BRL<0.0204	93.5%	0.0690
	6-12"		BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	0.0449	BRL<0.0213	BRL<0.0213	93.0%	0.0449
W50	0-6"	9/21/17	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	0.141	BRL<0.0214	BRL<0.0214	92.2%	0.141
	6-12"		BRL<0.0210	BRL<0.0210	BRL<0.0210	BRL<0.0210	BRL<0.0210	BRL<0.0210	0.0558	BRL<0.0210	BRL<0.0210	92.6%	0.0558
Y58	0-6"	9/21/17	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	BRL<0.0214	90.5%	BRL<0.0214
	6-12"		BRL<0.0208	BRL<0.0208	BRL<0.0208	BRL<0.0208	BRL<0.0208	BRL<0.0208	BRL<0.0208	BRL<0.0208	BRL<0.0208	94.3%	BRL<0.0208

PCB Concentrations:

BRL<0.0###	Below laboratory reporting limit
0.0200-0.199 mg/Kg	Detection below levels of regulatory concern
0.200-0.999 mg/Kg	Potential for discrete samples to exceed DEP RCS-1 reportable concentration value
1.00-9.99 mg/Kg	Composite sample exceeds DEP RCS-1 standard of 1 mg\Kg
≥10.0 mg/Kg	Potential for discrete samples to exceed EPA TSCA threshold value of 50 mg/Kg

Decontamination Wipe Samples	Date Sampled	Aroclor Mixture Identifications 1016	1221	1232	1242	1248	1254	1260	1262	1268	Percent Solids	Total PCBs
Wipe-1	9/21/17	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	N/A	BRL<0.20
Wipe-2	9/21/17	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20		BRL<0.20
Blank Wipe	9/21/17	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20		BRL<0.20
Wipe-3	9/22/17	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20		BRL<0.20
Wipe-4	9/22/17	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20		BRL<0.20
Wipe-5	9/27/17	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20		BRL<0.20
Wipe-6	9/27/17	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20	BRL<0.20		BRL<0.20

Note: Wipe sample results units are µg/wipe

Grid Location	Depth	Date Sampled	Aroclor Mixture Identifications 1016	1221	1232	1242	1248	1254	1260	1262	1268	Percent Solids	Total PCBs
			Additional Analysis of Discrete Samples										
D22-A	**0-6"**	**9/22/17**	BRL<0.0233	BRL<0.0233	BRL<0.0233	BRL<0.0233	BRL<0.0233	BRL<0.0233	BRL<0.0233	BRL<0.0233	BRL<0.0233	83.2%	BRL<0.0233
D22-B	**0-6"**	**9/22/17**	BRL<0.0244	BRL<0.0244	BRL<0.0244	BRL<0.0244	BRL<0.0244	BRL<0.0244	BRL<0.0244	BRL<0.0244	BRL<0.0244	79.5%	BRL<0.0244
D22-C	**0-6"**	**9/22/17**	BRL<0.0235	BRL<0.0235	BRL<0.0235	BRL<0.0235	BRL<0.0235	BRL<0.0235	BRL<0.0235	BRL<0.0235	BRL<0.0235	82.4%	BRL<0.0235
D22-D	**0-6"**	**9/22/17**	BRL<0.0225	BRL<0.0225	BRL<0.0225	BRL<0.0225	BRL<0.0225	BRL<0.0225	BRL<0.0225	BRL<0.0225	BRL<0.0225	86.0%	BRL<0.0225
D22-E	**0-6"**	**9/22/17**	BRL<0.0242	BRL<0.0242	BRL<0.0242	BRL<0.0242	BRL<0.0242	BRL<0.0242	BRL<0.0242	BRL<0.0242	BRL<0.0242	81.5%	BRL<0.0242
D22-A	**6-12"**	**9/22/17**	BRL<0.0231	BRL<0.0231	BRL<0.0231	BRL<0.0231	BRL<0.0231	BRL<0.0231	BRL<0.0231	BRL<0.0231	BRL<0.0231	84.6%	BRL<0.0231
D22-B	**6-12"**	**9/22/17**	BRL<0.0237	BRL<0.0237	BRL<0.0237	BRL<0.0237	BRL<0.0237	BRL<0.0237	BRL<0.0237	BRL<0.0237	BRL<0.0237	82.8%	BRL<0.0237
D22-C	**6-12"**	**9/22/17**	BRL<0.0234	BRL<0.0234	BRL<0.0234	BRL<0.0234	BRL<0.0234	BRL<0.0234	BRL<0.0234	BRL<0.0234	BRL<0.0234	85.1%	BRL<0.0234
D22-D	**6-12"**	**9/22/17**	BRL<0.0228	BRL<0.0228	BRL<0.0228	BRL<0.0228	BRL<0.0228	BRL<0.0228	BRL<0.0228	BRL<0.0228	BRL<0.0228	87.4%	BRL<0.0228
D22-E	**6-12"**	**9/22/17**	BRL<0.0220	BRL<0.0220	BRL<0.0220	BRL<0.0220	BRL<0.0220	BRL<0.0220	BRL<0.0220	BRL<0.0220	BRL<0.0220	87.8%	BRL<0.0220
G43-A	**0-6"**	**9/22/17**	BRL<0.0217	BRL<0.0217	BRL<0.0217	BRL<0.0217	BRL<0.0217	0.0998	0.122	BRL<0.0217	BRL<0.0217	90.9%	0.222
G43-B	**0-6"**	**9/22/17**	BRL<0.0223	BRL<0.0223	BRL<0.0223	BRL<0.0223	BRL<0.0223	0.165	0.190	BRL<0.0223	BRL<0.0223	86.7%	0.355
G43-C	**0-6"**	**9/22/17**	BRL<0.0232	BRL<0.0232	BRL<0.0232	BRL<0.0232	BRL<0.0232	0.413	0.321	BRL<0.0232	BRL<0.0232	86.0%	0.734
G43-D	**0-6"**	**9/22/17**	BRL<0.0212	BRL<0.0212	BRL<0.0212	BRL<0.0212	BRL<0.0212	0.383	0.412	BRL<0.0212	BRL<0.0212	92.7%	0.795
G43-E	**0-6"**	**9/22/17**	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	0.352	0.576	BRL<0.0213	BRL<0.0213	93.5%	0.928
G43-A	**6-12"**	**9/22/17**	BRL<0.0210	BRL<0.0210	BRL<0.0210	BRL<0.0210	BRL<0.0210	0.107	BRL<0.0210	BRL<0.0210	BRL<0.0210	91.6%	0.107
G43-B	**6-12"**	**9/22/17**	BRL<0.0228	BRL<0.0228	BRL<0.0228	BRL<0.0228	BRL<0.0228	0.146	0.158	BRL<0.0228	BRL<0.0228	86.9%	0.304
G43-C	**6-12"**	**9/22/17**	BRL<0.0223	BRL<0.0223	BRL<0.0223	BRL<0.0223	BRL<0.0223	0.212	0.212	BRL<0.0223	BRL<0.0223	89.1%	0.424
G43-D	**6-12"**	**9/22/17**	BRL<0.0212	BRL<0.0212	BRL<0.0212	BRL<0.0212	BRL<0.0212	0.319	0.374	BRL<0.0212	BRL<0.0212	93.2%	0.693
G43-E	**6-12"**	**9/22/17**	BRL<0.0211	BRL<0.0211	BRL<0.0211	BRL<0.0211	BRL<0.0211	0.379	0.456	BRL<0.0211	BRL<0.0211	93.2%	0.835
Q67-A	**6-12"**	**9/21/17**	BRL<0.0215	BRL<0.0215	BRL<0.0215	BRL<0.0215	BRL<0.0215	0.0429	0.0358	BRL<0.0215	BRL<0.0215	92.2%	0.0787
Q67-B	**6-12"**	**9/21/17**	BRL<0.0217	BRL<0.0217	BRL<0.0217	BRL<0.0217	BRL<0.0217	0.0413	0.0389	BRL<0.0217	BRL<0.0217	91.5%	0.0802
Q67-C	**6-12"**	**9/21/17**	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	BRL<0.0216	0.0300	0.0322	BRL<0.0216	BRL<0.0216	89.8%	0.0622
Q67-D	**6-12"**	**9/21/17**	BRL<0.0212	BRL<0.0212	BRL<0.0212	BRL<0.0212	BRL<0.0212	0.0355	0.0250	BRL<0.0212	BRL<0.0212	91.3%	0.0605
Q67-E	**6-12"**	**9/21/17**	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	BRL<0.0213	0.0327	0.0324	BRL<0.0213	BRL<0.0213	92.1%	0.0651

PCB Concentrations:

BRL<0.0###	Below laboratory reporting limit
0.0200-0.999 mg/Kg	Detection below levels of regulatory concern
1.00-49.9 mg/Kg	Discrete sample exceeds DEP RCS-1 standard of 1 mg\Kg
≥50.0 mg/Kg	Discrete sample exceeds EPA TSCA threshold value of 50 mg/Kg

APPENDIX A

PROPERTY OWNER NOTIFICATION

Environmental Services

CMG EST. 2002

Engineering Services

October 11, 2017

Mr. Anthony J. DeLuca, Manager
Twenty Wayland, LLC
% KGI Properties
10 Memorial Drive, Suite 901
Providence RI, 02903

Re: **PCB Soil Sampling Results**
Wayland Town Center "Municipal Parcel"
440 Boston Post Road, Wayland MA
CMG ID 2014-055

Dear Mr. DeLuca:

CMG Environmental, Inc. (CMG) recently collected soil samples at the "Municipal Parcel" portion of the Wayland Town Center development in Wayland, Massachusetts. We conducted this sampling on September 21, 22, and 27, 2017.

CMG chose 30 sampling locations using statistically random sample selection from a total of 1,692 individual 10×10' grid cells. At each location we collected five discrete soil samples from 0-6" below grade and another five from 6-12" below grade. CMG then homogenized the discrete samples from each depth and submitted a 0-6" composite and a 6-12" composite sample for laboratory Soxhlet extraction and analysis of polychlorinated biphenyls (PCBs) via EPA Method 8082. Laboratory analysis identified trace to low concentrations of the polychlorinated biphenyl (PCB) mixtures Aroclor 1248, 1254, and/or 1260 in 22 of the 60 soil samples tested, ranging from 0.0348 to 4.62 mg/Kg. Two of the composite soil samples exceed the applicable RCS-1 reportable concentration for PCBs of 1 mg/Kg set forth by the Massachusetts Department of Environmental Protection (DEP). However, these results do not necessitate DEP notification because the Raytheon Company had previously (7/25/96) notified DEP of PCBs in soil up to 1,050 mg/Kg at the 430 Boston Post Road property, which at the time included what is now designated the "municipal parcel" (Release Tracking Number 3-14042).

CMG has attached copies of the analytical laboratory testing results to this letter, along with a form BWSC 123 (Notice of Environmental Sampling) as required by DEP regulations. Please contact CMG at 774-241-0901 if you have questions regarding this information in this letter or if we can otherwise be of assistance to you.

Sincerely,
CMG Environmental, Inc.

Benson R. Gould, LSP, LEP
Principal

cc: Town of Wayland (Facilities Manager Kenneth Keefe)

2014-055\PCB Sampling Results (10-11-17).doc

67 Hall Road
Sturbridge, MA 01566
Phone (774) 241-0901
Fax (774) 241-0906

560 South Main Street
New Britain, CT 06051
Phone (866) 304-7625
Fax (860) 223-5454

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

3 - 13302

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 420 Boston Post Road

City/Town: Wayland MA Zip Code: 017780000

B. This notice is being provided to the following party:

1. Name: Twenty Wayland, LLC
2. Street Address: 10 Memorial Boulevard, Suite 901

City/Town: Providence RI Zip Code: 029030000

C. This notice is being given to inform its recipient (the party listed in Section B):

☑ 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.

☑ 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.

☑ 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 440 Boston Post Road ("Municipal Parcel")

City/Town: Wayland MA Zip Code: 017781824

2. MCP phase of work during which the sampling will be/has been conducted:

☐ Immediate Response Action
☐ Release Abatement Measure
☐ Utility-related Abatement Measure
☐ Phase I Initial Site Investigation
☐ Phase II Comprehensive Site Assessment
☐ Phase III Feasibility Evaluation
☐ Phase IV Remedy Implementation Plan
☐ Phase V/Remedy Operation Status
☑ Post-Temporary Solution Operation, Maintenance and Monitoring
☐ Other _____ (specify)

3. Description of property where sampling will be/has been conducted:

☐ residential ☑ commercial ☐ industrial ☐ school/playground ☐ Other _____ (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

* Shallow soil samples for PCB testing at the "Municipal Parcel" portion of the Wayland Town Center development.

E. Contact information related to the party providing this notice:

Contact Name: CMG Environmental, Inc.
Street Address: 67 Hall Road
City/Town: Sturbridge MA Zip Code: 015661472
Telephone: (774) 241-0901 Email: BGould@CMGenv.com

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

3 - 13302

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at http://www.mass.gov/eea/agencies/massdep/cleanup. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See http://public.dep.state.ma.us/SearchableSites2/Search.aspx to view site-specific files on-line or http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

Environmental Services

CMG EST. 2002

Engineering Services

December 4, 2017

Mr. Anthony J. DeLuca, Manager
Twenty Wayland, LLC
% KGI Properties
10 Memorial Drive, Suite 901
Providence RI, 02903

Re: **PCB Soil Sampling Results**
Wayland Town Center "Municipal Parcel"
440 Boston Post Road, Wayland MA
CMG ID 2014-055

Dear Mr. DeLuca:

As you know, CMG Environmental, Inc. (CMG) recently collected soil samples at the "Municipal Parcel" portion of the Wayland Town Center development in Wayland, Massachusetts for analysis of polychlorinated biphenyls (PCBs) via EPA Method 8082. We conducted this sampling on September 21, 22, and 27, 2017.

CMG previously (10/1/17) provided you with results of composite sample analyses for the 30 composite samples we had analyzed. In November 2017 we requested further analysis of discrete samples for the 5 composite samples that had potential to exceed the Massachusetts Department of Environmental Protection (DEP) reportable concentration for PCBs. By this letter we are providing you with the results of these additional soil analyses. The third page of the enclosed Table 2 summarizes the results of discrete soil sample testing. None of the 25 discrete soil samples we had analyzed exceeded the DEP reportable concentration of 1 mg/Kg (1,000 µg/Kg).

CMG has attached copies of the analytical laboratory testing results to this letter, along with a form BWSC 123 (Notice of Environmental Sampling) as required by DEP regulations. Please contact CMG at 774-241-0901 if you have questions regarding this information in this letter or if we can otherwise be of assistance to you.

Sincerely,
CMG Environmental, Inc.

Benson R. Gould, LSP, LEP
Principal

cc: Town of Wayland (Facilities Manager Kenneth Keefe)

2014-055\PCB Sampling Results 2 (12-4-17).doc

67 Hall Road
Sturbridge, MA 01566
Phone (774) 241-0901
Fax (774) 241-0906

560 South Main Street
New Britain, CT 06051
Phone (866) 304-7625
Fax (860) 223-5454

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

3 - 13302

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 420 Boston Post Road

City/Town: Wayland MA Zip Code: 017780000

B. This notice is being provided to the following party:

1. Name: Twenty Wayland, LLC
2. Street Address: 10 Memorial Boulevard, Suite 901

City/Town: Providence RI Zip Code: 029030000

C. This notice is being given to inform its recipient (the party listed in Section B):

☑ 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.

☑ 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.

☑ 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 440 Boston Post Road ("Municipal Parcel")

City/Town: Wayland MA Zip Code: 017781824

2. MCP phase of work during which the sampling will be/has been conducted:

☐ Immediate Response Action
☐ Release Abatement Measure
☐ Utility-related Abatement Measure
☐ Phase I Initial Site Investigation
☐ Phase II Comprehensive Site Assessment
☐ Phase III Feasibility Evaluation
☐ Phase IV Remedy Implementation Plan
☐ Phase V/Remedy Operation Status
☑ Post-Temporary Solution Operation, Maintenance and Monitoring
☐ Other _____ (specify)

3. Description of property where sampling will be/has been conducted:

☐ residential ☑ commercial ☐ industrial ☐ school/playground ☐ Other _____ (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

* Shallow soil samples for PCB testing at the "Municipal Parcel" portion of the Wayland Town Center development.

E. Contact information related to the party providing this notice:

Contact Name: CMG Environmental, Inc.
Street Address: 67 Hall Road
City/Town: Sturbridge MA Zip Code: 015661472
Telephone: (774) 241-0901 Email: BGould@CMGenv.com

APPENDIX B

LABORATORY CERTIFICATES OF ANALYSIS & CHAIN-OF-CUSTODY DOCUMENTATION

eurofins | Spectrum Analytical

☑ Final Report
☐ Revised Report

Report Date:
09-Oct-17 09:28

Laboratory Report
SC39604

CMG Environmental, Inc.
67 Hall Road
Sturbridge, MA 01566
Attn: Ben Gould

Project: WTC - Wayland, MA
Project #: 2014-055

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 # E87936
Maine # MA138
New Hampshire # 2972/2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00348
USDA # P330-15-00375

Authorized by:

Rebecca Merz
Quality Services Manager

Eurofins Spectrum Analytical holds primary certification in the State of Massachusetts for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of Massachusetts 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 76 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 Eurofins Spectrum Analytical, Inc.

Eurofins Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Spectrum Analytical, Inc. 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 Eurofins 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 (PA-68-04426).

Sample Summary

Work Order: SC39604

Project: WTC - Wayland, MA

Project Number: 2014-055

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC39604-01	Wipe-1	Wipe	21-Sep-17 09:25	25-Sep-17 17:10
SC39604-02	Wipe-2	Wipe	21-Sep-17 15:30	25-Sep-17 17:10
SC39604-03	Blank	Wipe	21-Sep-17 08:30	25-Sep-17 17:10
SC39604-04	M79 0-6 Comp	Soil	21-Sep-17 09:45	25-Sep-17 17:10
SC39604-05	M79 6-12 Comp	Soil	21-Sep-17 09:46	25-Sep-17 17:10
SC39604-06	V73 0-6 Comp	Soil	21-Sep-17 10:03	25-Sep-17 17:10
SC39604-07	V73 6-12 Comp	Soil	21-Sep-17 10:04	25-Sep-17 17:10
SC39604-08	V76 0-6 Comp	Soil	21-Sep-17 10:24	25-Sep-17 17:10
SC39604-09	V76 6-12 Comp	Soil	21-Sep-17 10:25	25-Sep-17 17:10
SC39604-10	U78 0-6 Comp	Soil	21-Sep-17 10:44	25-Sep-17 17:10
SC39604-11	U78 6-12 Comp	Soil	21-Sep-17 10:45	25-Sep-17 17:10
SC39604-12	M88 0-6 Comp	Soil	21-Sep-17 11:05	25-Sep-17 17:10
SC39604-13	M88 6-12 Comp	Soil	21-Sep-17 11:06	25-Sep-17 17:10
SC39604-14	H84 0-6 Comp	Soil	21-Sep-17 11:28	25-Sep-17 17:10
SC39604-15	H84 6-12 Comp	Soil	21-Sep-17 11:29	25-Sep-17 17:10
SC39604-16	H80 0-6 Comp	Soil	21-Sep-17 12:24	25-Sep-17 17:10
SC39604-17	H80 6-12 Comp	Soil	21-Sep-17 12:25	25-Sep-17 17:10
SC39604-18	H78 0-6 Comp	Soil	21-Sep-17 12:41	25-Sep-17 17:10
SC39604-19	H78 6-12 Comp	Soil	21-Sep-17 12:42	25-Sep-17 17:10
SC39604-20	L70 0-6 Comp	Soil	21-Sep-17 13:02	25-Sep-17 17:10
SC39604-21	L70 6-12 Comp	Soil	21-Sep-17 13:03	25-Sep-17 17:10
SC39604-22	Q67 0-6 Comp	Soil	21-Sep-17 13:27	25-Sep-17 17:10
SC39604-23	Q67 6-12 Comp	Soil	21-Sep-17 13:28	25-Sep-17 17:10
SC39604-24	O63 0-6 Comp	Soil	21-Sep-17 13:47	25-Sep-17 17:10
SC39604-25	O63 6-12 Comp	Soil	21-Sep-17 13:48	25-Sep-17 17:10
SC39604-26	H64 0-6 Comp	Soil	21-Sep-17 14:11	25-Sep-17 17:10
SC39604-27	H64 6-12 Comp	Soil	21-Sep-17 14:12	25-Sep-17 17:10
SC39604-28	Y58 0-6 Comp	Soil	21-Sep-17 14:41	25-Sep-17 17:10
SC39604-29	Y58 6-12 Comp	Soil	21-Sep-17 14:42	25-Sep-17 17:10
SC39604-30	W50 0-6 Comp	Soil	21-Sep-17 14:58	25-Sep-17 17:10
SC39604-31	W50 6-12 Comp	Soil	21-Sep-17 14:59	25-Sep-17 17:10
SC39604-32	U46 0-6 Comp	Soil	21-Sep-17 15:21	25-Sep-17 17:10
SC39604-33	U46 6-12 Comp	Soil	21-Sep-17 15:22	25-Sep-17 17:10
SC39604-34	U41 0-6 Comp	Soil	22-Sep-17 09:13	25-Sep-17 17:10
SC39604-35	U41 6-12 Comp	Soil	22-Sep-17 09:14	25-Sep-17 17:10
SC39604-36	T32 0-6 Comp	Soil	22-Sep-17 09:31	25-Sep-17 17:10
SC39604-37	T32 6-12 Comp	Soil	22-Sep-17 09:32	25-Sep-17 17:10
SC39604-38	V28 0-6 Comp	Soil	22-Sep-17 09:39	25-Sep-17 17:10
SC39604-39	V28 6-12 Comp	Soil	22-Sep-17 09:40	25-Sep-17 17:10
SC39604-40	D16 0-6 Comp	Soil	22-Sep-17 09:51	25-Sep-17 17:10
SC39604-41	D16 6-12 Comp	Soil	22-Sep-17 09:52	25-Sep-17 17:10
SC39604-42	C22 0-6 Comp	Soil	22-Sep-17 10:17	25-Sep-17 17:10
SC39604-43	C22 6-12 Comp	Soil	22-Sep-17 10:18	25-Sep-17 17:10
SC39604-44	E20 0-6 Comp	Soil	22-Sep-17 10:29	25-Sep-17 17:10
SC39604-45	E20 6-12 Comp	Soil	22-Sep-17 10:30	25-Sep-17 17:10

Sample Summary

Work Order: SC39604

Project: WTC - Wayland, MA

Project Number: 2014-055

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC39604-46	D22 0-6 Comp	Soil	22-Sep-17 10:41	25-Sep-17 17:10
SC39604-47	D22 6-12 Comp	Soil	22-Sep-17 10:42	25-Sep-17 17:10
SC39604-48	L33 0-6 Comp	Soil	22-Sep-17 11:07	25-Sep-17 17:10
SC39604-49	L33 6-12 Comp	Soil	22-Sep-17 11:08	25-Sep-17 17:10
SC39604-50	F26 0-6 Comp	Soil	22-Sep-17 11:19	25-Sep-17 17:10
SC39604-51	F26 6-12 Comp	Soil	22-Sep-17 11:20	25-Sep-17 17:10
SC39604-52	C31 0-6 Comp	Soil	22-Sep-17 12:59	25-Sep-17 17:10
SC39604-53	C31 6-12 Comp	Soil	22-Sep-17 13:00	25-Sep-17 17:10
SC39604-54	A35 0-6 Comp	Soil	22-Sep-17 13:13	25-Sep-17 17:10
SC39604-55	A35 6-12 Comp	Soil	22-Sep-17 13:14	25-Sep-17 17:10
SC39604-56	Wipe-3	Wipe	22-Sep-17 07:47	25-Sep-17 17:10
SC39604-57	Wipe-4	Wipe	22-Sep-17 13:30	25-Sep-17 17:10

MassDEP Analytical Protocol Certification Form

Laboratory Name: Eurofins Spectrum Analytical, Inc.	**Project #:** 2014-055
Project Location: WTC - Wayland, MA	**RTN:**
This form provides certifications for the following data set:	SC39604-01 through SC39604-57
Matrices: Soil Wipe	

CAM Protocol

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	✓ 8082 PCB CAM V A	9012 Total Cyanide/PAC CAM VI A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B

Affirmative responses to questions A through F are required for Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	✓ Yes	No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	✓ Yes	No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	✓ Yes	No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	✓ Yes	No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes Yes	No No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to questions A through E)?	✓ Yes	No

Responses to questions G, H and I below are required for Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	✓ Yes	No

Data User Note: ***Data that achieve Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.***

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	Yes	✓ No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	✓ Yes	No

All negative responses are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Dawn E. Wojcik

Dawn E. Wojcik
Laboratory Director
Date: 10/9/2017

CASE NARRATIVE:

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

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

The samples were received 3.2 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group. If method or program required MS/MSD/Dup were not performed, sufficient sample was not provided to the laboratory.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

According to WSC-CAM 5/2009 Rev.1, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult.

Some target analytes which are not listed as exceptions in the Summary of CAM Reporting Limits may exceed the recommended RL based on sample initial volume or weight provided, % moisture content, or responsiveness of a particular analyte to purge and trap instrumentation.

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

SW846 8082A

Duplicates:

1716720-DUP1 *Source: SC39604-04*

Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.

Aroclor-1260
Aroclor-1260 [2C]

Samples:

SC39604-47 *D22 6-12 Comp*

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

Aroclor-1248 [2C]

Sample Acceptance Check Form

Client:	CMG Environmental, Inc.
Project:	WTC - Wayland, MA / 2014-055
Work Order:	SC39604
Sample(s) received on:	9/25/2017

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 refrigerated 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?	☑	☐	☐

Summary of Hits

Lab ID: SC39604-04 **Client ID:** M79 0-6 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254 [2C]	53.2		20.8	µg/kg	SW846 8082A
Aroclor-1260	35.3		20.8	µg/kg	SW846 8082A

Lab ID: SC39604-05 **Client ID:** M79 6-12 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1260	46.2		20.8	µg/kg	SW846 8082A

Lab ID: SC39604-06 **Client ID:** V73 0-6 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1260 [2C]	95.7		21.9	µg/kg	SW846 8082A

Lab ID: SC39604-07 **Client ID:** V73 6-12 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1260	79.7		21.3	µg/kg	SW846 8082A

Lab ID: SC39604-08 **Client ID:** V76 0-6 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1260	69.0		20.4	µg/kg	SW846 8082A

Lab ID: SC39604-09 **Client ID:** V76 6-12 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1260 [2C]	44.9		21.3	µg/kg	SW846 8082A

Lab ID: SC39604-20 **Client ID:** L70 0-6 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1260	34.8		21.4	µg/kg	SW846 8082A

Lab ID: SC39604-22 **Client ID:** Q67 0-6 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254 [2C]	77.1		22.0	µg/kg	SW846 8082A
Aroclor-1260 [2C]	39.1		22.0	µg/kg	SW846 8082A

Lab ID: SC39604-23 **Client ID:** Q67 6-12 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254 [2C]	4620		21.5	µg/kg	SW846 8082A

Lab ID: SC39604-24 **Client ID:** O63 0-6 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254 [2C]	64.1		22.8	µg/kg	SW846 8082A
Aroclor-1260 [2C]	44.5		22.8	µg/kg	SW846 8082A

Lab ID: SC39604-25 **Client ID:** O63 6-12 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254	23.0		21.9	µg/kg	SW846 8082A
Aroclor-1260	48.9		21.9	µg/kg	SW846 8082A

Lab ID: SC39604-26 **Client ID:** H64 0-6 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254	65.3		21.3	µg/kg	SW846 8082A
Aroclor-1260	46.5		21.3	µg/kg	SW846 8082A

Lab ID: SC39604-27 **Client ID:** H64 6-12 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254 [2C]	67.7		21.6	µg/kg	SW846 8082A
Aroclor-1260	54.5		21.6	µg/kg	SW846 8082A

Lab ID: SC39604-30 **Client ID:** W50 0-6 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1260 [2C]	141		21.4	µg/kg	SW846 8082A

Lab ID: SC39604-31 **Client ID:** W50 6-12 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1260 [2C]	55.8		21.0	µg/kg	SW846 8082A

Lab ID: SC39604-32 **Client ID:** U46 0-6 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1260 [2C]	50.9		21.0	µg/kg	SW846 8082A

Lab ID: SC39604-33 **Client ID:** U46 6-12 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1260 [2C]	39.4		21.2	µg/kg	SW846 8082A

Lab ID: SC39604-38 **Client ID:** V28 0-6 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1260	68.4		21.1	µg/kg	SW846 8082A

Lab ID: SC39604-46 **Client ID:** D22 0-6 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1248	485		23.6	µg/kg	SW846 8082A

Lab ID: SC39604-47 **Client ID:** D22 6-12 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1248 [2C]	1420	P	23.3	µg/kg	SW846 8082A

Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Wipe-1 SC39604-01	2014-055	Wipe	21-Sep-17 09:25	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 0.20		µg/Wipe	0.20	0.10	1	SW846 8082A	30-Sep-17	04-Oct-17	IMR	1716718	
11104-28-2	Aroclor-1221	< 0.20		µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 0.20		µg/Wipe	0.20	0.09	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 0.20		µg/Wipe	0.20	0.17	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 0.20		µg/Wipe	0.20	0.18	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 0.20		µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 0.20		µg/Wipe	0.20	0.09	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 0.20		µg/Wipe	0.20	0.12	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 0.20		µg/Wipe	0.20	0.07	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Wipe-2 SC39604-02	2014-055	Wipe	21-Sep-17 15:30	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 0.20		µg/Wipe	0.20	0.10	1	SW846 8082A	30-Sep-17	04-Oct-17	IMR	1716718	
11104-28-2	Aroclor-1221	< 0.20		µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 0.20		µg/Wipe	0.20	0.09	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 0.20		µg/Wipe	0.20	0.17	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 0.20		µg/Wipe	0.20	0.18	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 0.20		µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 0.20		µg/Wipe	0.20	0.09	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 0.20		µg/Wipe	0.20	0.12	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 0.20		µg/Wipe	0.20	0.07	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Blank	2014-055	Wipe	21-Sep-17 08:30	25-Sep-17
SC39604-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 0.20		µg/Wipe	0.20	0.10	1	SW846 8082A	30-Sep-17	04-Oct-17	IMR	1716718	
11104-28-2	Aroclor-1221	< 0.20		µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 0.20		µg/Wipe	0.20	0.09	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 0.20		µg/Wipe	0.20	0.17	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 0.20		µg/Wipe	0.20	0.18	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 0.20		µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 0.20		µg/Wipe	0.20	0.09	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 0.20		µg/Wipe	0.20	0.12	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 0.20		µg/Wipe	0.20	0.07	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
M79 0-6 Comp SC39604-04	2014-055	Soil	21-Sep-17 09:45	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.8		µg/kg dry	20.8	13.8	1	SW846 8082A	30-Sep-17	03-Oct-17	IMR	1716720	
11104-28-2	Aroclor-1221	< 20.8		µg/kg dry	20.8	11.6	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 20.8		µg/kg dry	20.8	12.7	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 20.8		µg/kg dry	20.8	8.42	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 20.8		µg/kg dry	20.8	9.50	1	"	"	"	"	"	
11097-69-1	Aroclor-1254 [2C]	**53.2**		µg/kg dry	20.8	12.3	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	**35.3**		µg/kg dry	20.8	19.6	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 20.8		µg/kg dry	20.8	7.40	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 20.8		µg/kg dry	20.8	9.91	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.1**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
M79 6-12 Comp SC39604-05	2014-055	Soil	21-Sep-17 09:46	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.8		µg/kg dry	20.8	13.9	1	SW846 8082A	30-Sep-17	03-Oct-17	IMR	1716720	
11104-28-2	Aroclor-1221	< 20.8		µg/kg dry	20.8	11.6	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 20.8		µg/kg dry	20.8	12.8	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 20.8		µg/kg dry	20.8	8.45	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 20.8		µg/kg dry	20.8	9.53	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 20.8		µg/kg dry	20.8	7.03	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	**46.2**		µg/kg dry	20.8	19.7	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 20.8		µg/kg dry	20.8	7.42	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 20.8		µg/kg dry	20.8	9.95	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.8**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V73 0-6 Comp SC39604-06	2014-055	Soil	21-Sep-17 10:03	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.9		µg/kg dry	21.9	14.6	1	SW846 8082A	30-Sep-17	03-Oct-17	IMR	1716720	
11104-28-2	Aroclor-1221	< 21.9		µg/kg dry	21.9	12.2	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.9		µg/kg dry	21.9	13.4	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.9		µg/kg dry	21.9	8.87	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.9		µg/kg dry	21.9	10.0	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.9		µg/kg dry	21.9	7.38	1	"	"	"	"	"	
11096-82-5	Aroclor-1260 [2C]	**95.7**		µg/kg dry	21.9	20.9	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.9		µg/kg dry	21.9	7.79	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.9		µg/kg dry	21.9	10.4	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**90.9**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716430	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V73 6-12 Comp SC39604-07	2014-055	Soil	21-Sep-17 10:04	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.3		µg/kg dry	21.3	14.2	1	SW846 8082A	30-Sep-17	03-Oct-17	IMR	1716720	
11104-28-2	Aroclor-1221	< 21.3		µg/kg dry	21.3	11.9	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.3		µg/kg dry	21.3	13.1	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.3		µg/kg dry	21.3	8.65	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.3		µg/kg dry	21.3	9.75	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.3		µg/kg dry	21.3	7.20	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	**79.7**		µg/kg dry	21.3	20.1	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.3		µg/kg dry	21.3	7.60	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.3		µg/kg dry	21.3	10.2	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.4**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V76 0-6 Comp SC39604-08	2014-055	Soil	21-Sep-17 10:24	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.4		µg/kg dry	20.4	13.6	1	SW846 8082A	30-Sep-17	03-Oct-17	IMR	1716720	
11104-28-2	Aroclor-1221	< 20.4		µg/kg dry	20.4	11.4	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 20.4		µg/kg dry	20.4	12.5	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 20.4		µg/kg dry	20.4	8.28	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 20.4		µg/kg dry	20.4	9.34	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 20.4		µg/kg dry	20.4	6.89	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	**69.0**		µg/kg dry	20.4	19.3	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 20.4		µg/kg dry	20.4	7.28	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 20.4		µg/kg dry	20.4	9.75	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**93.5**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V76 6-12 Comp SC39604-09	2014-055	Soil	21-Sep-17 10:25	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.3		µg/kg dry	21.3	14.2	1	SW846 8082A	30-Sep-17	03-Oct-17	IMR	1716720	
11104-28-2	Aroclor-1221	< 21.3		µg/kg dry	21.3	11.9	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.3		µg/kg dry	21.3	13.1	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.3		µg/kg dry	21.3	8.64	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.3		µg/kg dry	21.3	9.74	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.3		µg/kg dry	21.3	7.19	1	"	"	"	"	"	
11096-82-5	Aroclor-1260 [2C]	**44.9**		µg/kg dry	21.3	20.3	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.3		µg/kg dry	21.3	7.59	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.3		µg/kg dry	21.3	10.2	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**93.0**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
U78 0-6 Comp	2014-055	Soil	21-Sep-17 10:44	25-Sep-17
SC39604-10				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.3		µg/kg dry	21.3	14.1	1	SW846 8082A	30-Sep-17	03-Oct-17	IMR	1716720	
11104-28-2	Aroclor-1221	< 21.3		µg/kg dry	21.3	11.9	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.3		µg/kg dry	21.3	13.0	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.3		µg/kg dry	21.3	8.62	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.3		µg/kg dry	21.3	9.72	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.3		µg/kg dry	21.3	7.18	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 21.3		µg/kg dry	21.3	20.1	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.3		µg/kg dry	21.3	7.57	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.3		µg/kg dry	21.3	10.1	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**90.3**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
U78 6-12 Comp SC39604-11	2014-055	Soil	21-Sep-17 10:45	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.5		µg/kg dry	20.5	13.7	1	SW846 8082A	30-Sep-17	03-Oct-17	IMR	1716720	
11104-28-2	Aroclor-1221	< 20.5		µg/kg dry	20.5	11.5	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 20.5		µg/kg dry	20.5	12.6	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 20.5		µg/kg dry	20.5	8.34	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 20.5		µg/kg dry	20.5	9.40	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 20.5		µg/kg dry	20.5	6.94	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 20.5		µg/kg dry	20.5	19.4	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 20.5		µg/kg dry	20.5	7.32	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 20.5		µg/kg dry	20.5	9.81	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**93.1**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
M88 0-6 Comp SC39604-12	2014-055	Soil	21-Sep-17 11:05	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.5		µg/kg dry	20.5	13.7	1	SW846 8082A	30-Sep-17	03-Oct-17	IMR	1716720	
11104-28-2	Aroclor-1221	< 20.5		µg/kg dry	20.5	11.5	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 20.5		µg/kg dry	20.5	12.6	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 20.5		µg/kg dry	20.5	8.33	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 20.5		µg/kg dry	20.5	9.39	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 20.5		µg/kg dry	20.5	6.93	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 20.5		µg/kg dry	20.5	19.4	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 20.5		µg/kg dry	20.5	7.31	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 20.5		µg/kg dry	20.5	9.80	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**94.0**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
M88 6-12 Comp SC39604-13	2014-055	Soil	21-Sep-17 11:06	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.0		µg/kg dry	20.0	13.3	1	SW846 8082A	30-Sep-17	03-Oct-17	IMR	1716720	
11104-28-2	Aroclor-1221	< 20.0		µg/kg dry	20.0	11.1	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 20.0		µg/kg dry	20.0	12.2	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 20.0		µg/kg dry	20.0	8.10	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 20.0		µg/kg dry	20.0	9.13	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 20.0		µg/kg dry	20.0	6.74	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 20.0		µg/kg dry	20.0	18.8	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 20.0		µg/kg dry	20.0	7.11	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 20.0		µg/kg dry	20.0	9.53	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**96.2**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
H84 0-6 Comp	2014-055	Soil	21-Sep-17 11:28	25-Sep-17
SC39604-14				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.4		µg/kg dry	21.4	14.3	1	SW846 8082A	30-Sep-17	03-Oct-17	IMR	1716720	
11104-28-2	Aroclor-1221	< 21.4		µg/kg dry	21.4	12.0	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.4		µg/kg dry	21.4	13.1	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.4		µg/kg dry	21.4	8.70	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.4		µg/kg dry	21.4	9.80	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.4		µg/kg dry	21.4	7.24	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 21.4		µg/kg dry	21.4	20.2	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.4		µg/kg dry	21.4	7.64	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.4		µg/kg dry	21.4	10.2	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**91.9**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
H84 6-12 Comp SC39604-15	2014-055	Soil	21-Sep-17 11:29	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.6		µg/kg dry	21.6	14.4	1	SW846 8082A	29-Sep-17	04-Oct-17	IMR	1716705	
11104-28-2	Aroclor-1221	< 21.6		µg/kg dry	21.6	12.1	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.6		µg/kg dry	21.6	13.2	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.6		µg/kg dry	21.6	8.76	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.6		µg/kg dry	21.6	9.88	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.6		µg/kg dry	21.6	7.29	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 21.6		µg/kg dry	21.6	20.4	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.6		µg/kg dry	21.6	7.70	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.6		µg/kg dry	21.6	10.3	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.4**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
H80 0-6 Comp	2014-055	Soil	21-Sep-17 12:24	25-Sep-17
SC39604-16				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.6		µg/kg dry	20.6	13.7	1	SW846 8082A	29-Sep-17	04-Oct-17	IMR	1716705	
11104-28-2	Aroclor-1221	< 20.6		µg/kg dry	20.6	11.5	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 20.6		µg/kg dry	20.6	12.6	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 20.6		µg/kg dry	20.6	8.37	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 20.6		µg/kg dry	20.6	9.44	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 20.6		µg/kg dry	20.6	6.97	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 20.6		µg/kg dry	20.6	19.5	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 20.6		µg/kg dry	20.6	7.35	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 20.6		µg/kg dry	20.6	9.85	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.0**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
H80 6-12 Comp	2014-055	Soil	21-Sep-17 12:25	25-Sep-17
SC39604-17				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.1		µg/kg dry	21.1	14.1	1	SW846 8082A	29-Sep-17	04-Oct-17	IMR	1716705	
11104-28-2	Aroclor-1221	< 21.1		µg/kg dry	21.1	11.8	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.1		µg/kg dry	21.1	13.0	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.1		µg/kg dry	21.1	8.58	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.1		µg/kg dry	21.1	9.67	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.1		µg/kg dry	21.1	7.14	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 21.1		µg/kg dry	21.1	20.0	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.1		µg/kg dry	21.1	7.53	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.1		µg/kg dry	21.1	10.1	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**93.1**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
H78 0-6 Comp	2014-055	Soil	21-Sep-17 12:41	25-Sep-17
SC39604-18				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.9		µg/kg dry	20.9	13.9	1	SW846 8082A	29-Sep-17	04-Oct-17	IMR	1716705	
11104-28-2	Aroclor-1221	< 20.9		µg/kg dry	20.9	11.6	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 20.9		µg/kg dry	20.9	12.8	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 20.9		µg/kg dry	20.9	8.47	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 20.9		µg/kg dry	20.9	9.55	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 20.9		µg/kg dry	20.9	7.05	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 20.9		µg/kg dry	20.9	19.7	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 20.9		µg/kg dry	20.9	7.44	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 20.9		µg/kg dry	20.9	9.97	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.3**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
H78 6-12 Comp SC39604-19	2014-055	Soil	21-Sep-17 12:42	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.7		µg/kg dry	20.7	13.8	1	SW846 8082A	29-Sep-17	04-Oct-17	IMR	1716705	
11104-28-2	Aroclor-1221	< 20.7		µg/kg dry	20.7	11.6	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 20.7		µg/kg dry	20.7	12.7	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 20.7		µg/kg dry	20.7	8.41	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 20.7		µg/kg dry	20.7	9.48	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 20.7		µg/kg dry	20.7	7.00	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 20.7		µg/kg dry	20.7	19.6	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 20.7		µg/kg dry	20.7	7.38	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 20.7		µg/kg dry	20.7	9.90	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**94.0**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
L70 0-6 Comp SC39604-20	2014-055	Soil	21-Sep-17 13:02	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.4		µg/kg dry	21.4	14.2	1	SW846 8082A	29-Sep-17	04-Oct-17	IMR	1716705	
11104-28-2	Aroclor-1221	< 21.4		µg/kg dry	21.4	11.9	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.4		µg/kg dry	21.4	13.1	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.4		µg/kg dry	21.4	8.67	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.4		µg/kg dry	21.4	9.78	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.4		µg/kg dry	21.4	7.22	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	**34.8**		µg/kg dry	21.4	20.2	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.4		µg/kg dry	21.4	7.62	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.4		µg/kg dry	21.4	10.2	1	"	"	"	"	"	
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]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**93.1**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
L70 6-12 Comp SC39604-21	2014-055	Soil	21-Sep-17 13:03	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.7		µg/kg dry	20.7	13.8	1	SW846 8082A	29-Sep-17	04-Oct-17	IMR	1716705	
11104-28-2	Aroclor-1221	< 20.7		µg/kg dry	20.7	11.6	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 20.7		µg/kg dry	20.7	12.7	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 20.7		µg/kg dry	20.7	8.41	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 20.7		µg/kg dry	20.7	9.48	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 20.7		µg/kg dry	20.7	7.00	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 20.7		µg/kg dry	20.7	19.6	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 20.7		µg/kg dry	20.7	7.38	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 20.7		µg/kg dry	20.7	9.90	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**93.6**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Q67 0-6 Comp SC39604-22	2014-055	Soil	21-Sep-17 13:27	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 22.0		µg/kg dry	22.0	14.7	1	SW846 8082A	29-Sep-17	04-Oct-17	IMR	1716705	
11104-28-2	Aroclor-1221	< 22.0		µg/kg dry	22.0	12.3	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 22.0		µg/kg dry	22.0	13.5	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 22.0		µg/kg dry	22.0	8.94	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 22.0		µg/kg dry	22.0	10.1	1	"	"	"	"	"	
11097-69-1	Aroclor-1254 [2C]	**77.1**		µg/kg dry	22.0	13.1	1	"	"	"	"	"	
11096-82-5	Aroclor-1260 [2C]	**39.1**		µg/kg dry	22.0	21.0	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 22.0		µg/kg dry	22.0	7.85	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 22.0		µg/kg dry	22.0	10.5	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**89.5**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Q67 6-12 Comp SC39604-23	2014-055	Soil	21-Sep-17 13:28	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.5		µg/kg dry	21.5	14.3	1	SW846 8082A	29-Sep-17	04-Oct-17	IMR	1716705	
11104-28-2	Aroclor-1221	< 21.5		µg/kg dry	21.5	12.0	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.5		µg/kg dry	21.5	13.2	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.5		µg/kg dry	21.5	8.74	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.5		µg/kg dry	21.5	9.86	1	"	"	"	"	"	
11097-69-1	Aroclor-1254 [2C]	**4,620**		µg/kg dry	21.5	12.8	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 21.5		µg/kg dry	21.5	20.4	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.5		µg/kg dry	21.5	7.68	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.5		µg/kg dry	21.5	10.3	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**89.7**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
O63 0-6 Comp SC39604-24	2014-055	Soil	21-Sep-17 13:47	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 22.8		µg/kg dry	22.8	15.2	1	SW846 8082A	29-Sep-17	04-Oct-17	IMR	1716705	
11104-28-2	Aroclor-1221	< 22.8		µg/kg dry	22.8	12.7	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 22.8		µg/kg dry	22.8	14.0	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 22.8		µg/kg dry	22.8	9.25	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 22.8		µg/kg dry	22.8	10.4	1	"	"	"	"	"	
11097-69-1	Aroclor-1254 [2C]	**64.1**		µg/kg dry	22.8	13.6	1	"	"	"	"	"	
11096-82-5	Aroclor-1260 [2C]	**44.5**		µg/kg dry	22.8	21.8	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 22.8		µg/kg dry	22.8	8.13	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 22.8		µg/kg dry	22.8	10.9	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**87.1**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
O63 6-12 Comp SC39604-25	2014-055	Soil	21-Sep-17 13:48	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.9		µg/kg dry	21.9	14.6	1	SW846 8082A	29-Sep-17	04-Oct-17	IMR	1716705	
11104-28-2	Aroclor-1221	< 21.9		µg/kg dry	21.9	12.2	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.9		µg/kg dry	21.9	13.4	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.9		µg/kg dry	21.9	8.89	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.9		µg/kg dry	21.9	10.0	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	**23.0**		µg/kg dry	21.9	7.40	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	**48.9**		µg/kg dry	21.9	20.7	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.9		µg/kg dry	21.9	7.81	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.9		µg/kg dry	21.9	10.5	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**90.7**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
H64 0-6 Comp SC39604-26	2014-055	Soil	21-Sep-17 14:11	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.3		µg/kg dry	21.3	14.2	1	SW846 8082A	29-Sep-17	04-Oct-17	IMR	1716705	
11104-28-2	Aroclor-1221	< 21.3		µg/kg dry	21.3	11.9	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.3		µg/kg dry	21.3	13.1	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.3		µg/kg dry	21.3	8.65	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.3		µg/kg dry	21.3	9.75	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	**65.3**		µg/kg dry	21.3	7.20	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	**46.5**		µg/kg dry	21.3	20.1	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.3		µg/kg dry	21.3	7.59	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.3		µg/kg dry	21.3	10.2	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.3**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716431	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
H64 6-12 Comp SC39604-27	2014-055	Soil	21-Sep-17 14:12	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.6		µg/kg dry	21.6	14.4	1	SW846 8082A	29-Sep-17	03-Oct-17	IMR	1716644	
11104-28-2	Aroclor-1221	< 21.6		µg/kg dry	21.6	12.1	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.6		µg/kg dry	21.6	13.3	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.6		µg/kg dry	21.6	8.77	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.6		µg/kg dry	21.6	9.89	1	"	"	"	"	"	
11097-69-1	Aroclor-1254 [2C]	**67.7**		µg/kg dry	21.6	12.9	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	**54.5**		µg/kg dry	21.6	20.4	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.6		µg/kg dry	21.6	7.71	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.6		µg/kg dry	21.6	10.3	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.3**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716432	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Y58 0-6 Comp SC39604-28	2014-055	Soil	21-Sep-17 14:41	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.4		µg/kg dry	21.4	14.3	1	SW846 8082A	29-Sep-17	03-Oct-17	IMR	1716644	
11104-28-2	Aroclor-1221	< 21.4		µg/kg dry	21.4	12.0	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.4		µg/kg dry	21.4	13.1	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.4		µg/kg dry	21.4	8.69	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.4		µg/kg dry	21.4	9.80	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.4		µg/kg dry	21.4	7.23	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 21.4		µg/kg dry	21.4	20.2	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.4		µg/kg dry	21.4	7.63	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.4		µg/kg dry	21.4	10.2	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**90.5**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716432	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Y58 6-12 Comp SC39604-29	2014-055	Soil	21-Sep-17 14:42	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.8		µg/kg dry	20.8	13.9	1	SW846 8082A	29-Sep-17	03-Oct-17	IMR	1716644	
11104-28-2	Aroclor-1221	< 20.8		µg/kg dry	20.8	11.6	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 20.8		µg/kg dry	20.8	12.8	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 20.8		µg/kg dry	20.8	8.45	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 20.8		µg/kg dry	20.8	9.52	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 20.8		µg/kg dry	20.8	7.03	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 20.8		µg/kg dry	20.8	19.7	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 20.8		µg/kg dry	20.8	7.42	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 20.8		µg/kg dry	20.8	9.94	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**94.3**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716432	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
W50 0-6 Comp SC39604-30	2014-055	Soil	21-Sep-17 14:58	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.4		µg/kg dry	21.4	14.2	1	SW846 8082A	29-Sep-17	03-Oct-17	IMR	1716644	
11104-28-2	Aroclor-1221	< 21.4		µg/kg dry	21.4	11.9	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.4		µg/kg dry	21.4	13.1	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.4		µg/kg dry	21.4	8.68	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.4		µg/kg dry	21.4	9.79	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.4		µg/kg dry	21.4	7.22	1	"	"	"	"	"	
11096-82-5	Aroclor-1260 [2C]	**141**		µg/kg dry	21.4	20.4	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.4		µg/kg dry	21.4	7.62	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.4		µg/kg dry	21.4	10.2	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.2**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716432	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
W50 6-12 Comp SC39604-31	2014-055	Soil	21-Sep-17 14:59	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.0		µg/kg dry	21.0	14.0	1	SW846 8082A	29-Sep-17	03-Oct-17	IMR	1716644	
11104-28-2	Aroclor-1221	< 21.0		µg/kg dry	21.0	11.7	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.0		µg/kg dry	21.0	12.9	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.0		µg/kg dry	21.0	8.51	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.0		µg/kg dry	21.0	9.60	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.0		µg/kg dry	21.0	7.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260 [2C]	**55.8**		µg/kg dry	21.0	20.0	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.0		µg/kg dry	21.0	7.47	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.0		µg/kg dry	21.0	10.0	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.6**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716432	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
U46 0-6 Comp SC39604-32	2014-055	Soil	21-Sep-17 15:21	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.0		µg/kg dry	21.0	14.0	1	SW846 8082A	29-Sep-17	03-Oct-17	IMR	1716644	
11104-28-2	Aroclor-1221	< 21.0		µg/kg dry	21.0	11.7	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.0		µg/kg dry	21.0	12.8	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.0		µg/kg dry	21.0	8.51	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.0		µg/kg dry	21.0	9.59	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.0		µg/kg dry	21.0	7.08	1	"	"	"	"	"	
11096-82-5	Aroclor-1260 [2C]	**50.9**		µg/kg dry	21.0	20.0	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.0		µg/kg dry	21.0	7.47	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.0		µg/kg dry	21.0	10.0	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**94.9**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716432	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
U46 6-12 Comp SC39604-33	2014-055	Soil	21-Sep-17 15:22	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.2		µg/kg dry	21.2	14.1	1	SW846 8082A	29-Sep-17	04-Oct-17	IMR	1716644	
11104-28-2	Aroclor-1221	< 21.2		µg/kg dry	21.2	11.8	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.2		µg/kg dry	21.2	13.0	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.2		µg/kg dry	21.2	8.60	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.2		µg/kg dry	21.2	9.70	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.2		µg/kg dry	21.2	7.16	1	"	"	"	"	"	
11096-82-5	Aroclor-1260 [2C]	**39.4**		µg/kg dry	21.2	20.2	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.2		µg/kg dry	21.2	7.55	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.2		µg/kg dry	21.2	10.1	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**94.1**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716432	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
U41 0-6 Comp SC39604-34	2014-055	Soil	22-Sep-17 09:13	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.3		µg/kg dry	21.3	14.2	1	SW846 8082A	29-Sep-17	04-Oct-17	IMR	1716644	
11104-28-2	Aroclor-1221	< 21.3		µg/kg dry	21.3	11.9	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.3		µg/kg dry	21.3	13.1	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.3		µg/kg dry	21.3	8.64	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.3		µg/kg dry	21.3	9.74	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.3		µg/kg dry	21.3	7.19	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 21.3		µg/kg dry	21.3	20.1	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.3		µg/kg dry	21.3	7.59	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.3		µg/kg dry	21.3	10.2	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**93.1**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716432	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
U41 6-12 Comp SC39604-35	2014-055	Soil	22-Sep-17 09:14	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.4		µg/kg dry	21.4	14.3	1	SW846 8082A	29-Sep-17	04-Oct-17	IMR	1716644	
11104-28-2	Aroclor-1221	< 21.4		µg/kg dry	21.4	12.0	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.4		µg/kg dry	21.4	13.1	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.4		µg/kg dry	21.4	8.70	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.4		µg/kg dry	21.4	9.80	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.4		µg/kg dry	21.4	7.24	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 21.4		µg/kg dry	21.4	20.2	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.4		µg/kg dry	21.4	7.64	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.4		µg/kg dry	21.4	10.2	1	"	"	"	"	"	
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)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.5**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716432	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
T32 0-6 Comp SC39604-36	2014-055	Soil	22-Sep-17 09:31	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.9		µg/kg dry	21.9	14.6	1	SW846 8082A	29-Sep-17	04-Oct-17	IMR	1716644	
11104-28-2	Aroclor-1221	< 21.9		µg/kg dry	21.9	12.2	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.9		µg/kg dry	21.9	13.4	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.9		µg/kg dry	21.9	8.87	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.9		µg/kg dry	21.9	10.0	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.9		µg/kg dry	21.9	7.39	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 21.9		µg/kg dry	21.9	20.7	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.9		µg/kg dry	21.9	7.79	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.9		µg/kg dry	21.9	10.4	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**89.7**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716432	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
T32 6-12 Comp SC39604-37	2014-055	Soil	22-Sep-17 09:32	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 22.3		µg/kg dry	22.3	14.8	1	SW846 8082A	29-Sep-17	04-Oct-17	IMR	1716644	
11104-28-2	Aroclor-1221	< 22.3		µg/kg dry	22.3	12.4	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 22.3		µg/kg dry	22.3	13.7	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 22.3		µg/kg dry	22.3	9.04	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 22.3		µg/kg dry	22.3	10.2	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 22.3		µg/kg dry	22.3	7.53	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 22.3		µg/kg dry	22.3	21.1	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 22.3		µg/kg dry	22.3	7.94	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 22.3		µg/kg dry	22.3	10.6	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**89.6**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716432	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V28 0-6 Comp SC39604-38	2014-055	Soil	22-Sep-17 09:39	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.1		µg/kg dry	21.1	14.0	1	SW846 8082A	29-Sep-17	04-Oct-17	IMR	1716644	
11104-28-2	Aroclor-1221	< 21.1		µg/kg dry	21.1	11.7	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.1		µg/kg dry	21.1	12.9	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.1		µg/kg dry	21.1	8.54	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.1		µg/kg dry	21.1	9.63	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.1		µg/kg dry	21.1	7.11	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	**68.4**		µg/kg dry	21.1	19.9	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.1		µg/kg dry	21.1	7.50	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.1		µg/kg dry	21.1	10.1	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**94.9**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716432	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
V28 6-12 Comp SC39604-39	2014-055	Soil	22-Sep-17 09:40	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.7		µg/kg dry	20.7	13.7	1	SW846 8082A	29-Sep-17	03-Oct-17	IMR	1716642	
11104-28-2	Aroclor-1221	< 20.7		µg/kg dry	20.7	11.5	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 20.7		µg/kg dry	20.7	12.7	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 20.7		µg/kg dry	20.7	8.38	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 20.7		µg/kg dry	20.7	9.45	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 20.7		µg/kg dry	20.7	6.97	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 20.7		µg/kg dry	20.7	19.5	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 20.7		µg/kg dry	20.7	7.36	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 20.7		µg/kg dry	20.7	9.86	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**93.7**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716432	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D16 0-6 Comp SC39604-40	2014-055	Soil	22-Sep-17 09:51	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.1		µg/kg dry	20.1	13.4	1	SW846 8082A	29-Sep-17	03-Oct-17	IMR	1716642	
11104-28-2	Aroclor-1221	< 20.1		µg/kg dry	20.1	11.2	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 20.1		µg/kg dry	20.1	12.3	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 20.1		µg/kg dry	20.1	8.17	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 20.1		µg/kg dry	20.1	9.22	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 20.1		µg/kg dry	20.1	6.80	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 20.1		µg/kg dry	20.1	19.0	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 20.1		µg/kg dry	20.1	7.18	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 20.1		µg/kg dry	20.1	9.62	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**93.2**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716432	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D16 6-12 Comp SC39604-41	2014-055	Soil	22-Sep-17 09:52	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.1		µg/kg dry	20.1	13.4	1	SW846 8082A	29-Sep-17	03-Oct-17	IMR	1716642	
11104-28-2	Aroclor-1221	< 20.1		µg/kg dry	20.1	11.2	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 20.1		µg/kg dry	20.1	12.3	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 20.1		µg/kg dry	20.1	8.14	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 20.1		µg/kg dry	20.1	9.18	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 20.1		µg/kg dry	20.1	6.78	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 20.1		µg/kg dry	20.1	19.0	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 20.1		µg/kg dry	20.1	7.15	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 20.1		µg/kg dry	20.1	9.59	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**95.4**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716432	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C22 0-6 Comp SC39604-42	2014-055	Soil	22-Sep-17 10:17	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 22.8		µg/kg dry	22.8	15.1	1	SW846 8082A	29-Sep-17	03-Oct-17	IMR	1716642	
11104-28-2	Aroclor-1221	< 22.8		µg/kg dry	22.8	12.7	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 22.8		µg/kg dry	22.8	14.0	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 22.8		µg/kg dry	22.8	9.23	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 22.8		µg/kg dry	22.8	10.4	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 22.8		µg/kg dry	22.8	7.69	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 22.8		µg/kg dry	22.8	21.5	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 22.8		µg/kg dry	22.8	8.11	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 22.8		µg/kg dry	22.8	10.9	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**84.5**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716432	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C22 6-12 Comp SC39604-43	2014-055	Soil	22-Sep-17 10:18	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 22.1		µg/kg dry	22.1	14.7	1	SW846 8082A	29-Sep-17	03-Oct-17	IMR	1716642	
11104-28-2	Aroclor-1221	< 22.1		µg/kg dry	22.1	12.3	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 22.1		µg/kg dry	22.1	13.5	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 22.1		µg/kg dry	22.1	8.96	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 22.1		µg/kg dry	22.1	10.1	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 22.1		µg/kg dry	22.1	7.46	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 22.1		µg/kg dry	22.1	20.9	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 22.1		µg/kg dry	22.1	7.87	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 22.1		µg/kg dry	22.1	10.5	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**86.8**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716432	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E20 0-6 Comp SC39604-44	2014-055	Soil	22-Sep-17 10:29	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.6		µg/kg dry	21.6	14.3	1	SW846 8082A	29-Sep-17	03-Oct-17	IMR	1716642	
11104-28-2	Aroclor-1221	< 21.6		µg/kg dry	21.6	12.0	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.6		µg/kg dry	21.6	13.2	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.6		µg/kg dry	21.6	8.75	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.6		µg/kg dry	21.6	9.86	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.6		µg/kg dry	21.6	7.28	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 21.6		µg/kg dry	21.6	20.4	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.6		µg/kg dry	21.6	7.68	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.6		µg/kg dry	21.6	10.3	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**88.7**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716432	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E20 6-12 Comp SC39604-45	2014-055	Soil	22-Sep-17 10:30	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 22.0		µg/kg dry	22.0	14.7	1	SW846 8082A	27-Sep-17	03-Oct-17	IMR	1716494	
11104-28-2	Aroclor-1221	< 22.0		µg/kg dry	22.0	12.3	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 22.0		µg/kg dry	22.0	13.5	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 22.0		µg/kg dry	22.0	8.94	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 22.0		µg/kg dry	22.0	10.1	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 22.0		µg/kg dry	22.0	7.44	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 22.0		µg/kg dry	22.0	20.8	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 22.0		µg/kg dry	22.0	7.85	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 22.0		µg/kg dry	22.0	10.5	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*40*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**90.4**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716432	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D22 0-6 Comp SC39604-46	2014-055	Soil	22-Sep-17 10:41	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 23.6		µg/kg dry	23.6	15.7	1	SW846 8082A	27-Sep-17	03-Oct-17	IMR	1716494	
11104-28-2	Aroclor-1221	< 23.6		µg/kg dry	23.6	13.1	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 23.6		µg/kg dry	23.6	14.4	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 23.6		µg/kg dry	23.6	9.56	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	**485**		µg/kg dry	23.6	10.8	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 23.6		µg/kg dry	23.6	7.96	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 23.6		µg/kg dry	23.6	22.3	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 23.6		µg/kg dry	23.6	8.40	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 23.6		µg/kg dry	23.6	11.3	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*40*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**83.2**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716432	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D22 6-12 Comp SC39604-47	2014-055	Soil	22-Sep-17 10:42	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 23.3		µg/kg dry	23.3	15.5	1	SW846 8082A	27-Sep-17	03-Oct-17	IMR	1716494	
11104-28-2	Aroclor-1221	< 23.3		µg/kg dry	23.3	13.0	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 23.3		µg/kg dry	23.3	14.3	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 23.3		µg/kg dry	23.3	9.44	1	"	"	"	"	"	
12672-29-6	Aroclor-1248 [2C]	**1,420**	P	µg/kg dry	23.3	8.37	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 23.3		µg/kg dry	23.3	7.86	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 23.3		µg/kg dry	23.3	22.0	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 23.3		µg/kg dry	23.3	8.29	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 23.3		µg/kg dry	23.3	11.1	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**85.3**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716433	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
L33 0-6 Comp SC39604-48	2014-055	Soil	22-Sep-17 11:07	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 22.2		µg/kg dry	22.2	14.7	1	SW846 8082A	27-Sep-17	03-Oct-17	IMR	1716494	
11104-28-2	Aroclor-1221	< 22.2		µg/kg dry	22.2	12.4	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 22.2		µg/kg dry	22.2	13.6	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 22.2		µg/kg dry	22.2	8.99	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 22.2		µg/kg dry	22.2	10.1	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 22.2		µg/kg dry	22.2	7.48	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 22.2		µg/kg dry	22.2	20.9	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 22.2		µg/kg dry	22.2	7.89	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 22.2		µg/kg dry	22.2	10.6	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**88.5**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716433	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
L33 6-12 Comp SC39604-49	2014-055	Soil	22-Sep-17 11:08	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.6		µg/kg dry	21.6	14.4	1	SW846 8082A	27-Sep-17	03-Oct-17	IMR	1716494	
11104-28-2	Aroclor-1221	< 21.6		µg/kg dry	21.6	12.1	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.6		µg/kg dry	21.6	13.3	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.6		µg/kg dry	21.6	8.78	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.6		µg/kg dry	21.6	9.90	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.6		µg/kg dry	21.6	7.30	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 21.6		µg/kg dry	21.6	20.4	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.6		µg/kg dry	21.6	7.71	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.6		µg/kg dry	21.6	10.3	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.2**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716433	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
F26 0-6 Comp SC39604-50	2014-055	Soil	22-Sep-17 11:19	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 22.9		µg/kg dry	22.9	15.2	1	SW846 8082A	27-Sep-17	03-Oct-17	IMR	1716494	
11104-28-2	Aroclor-1221	< 22.9		µg/kg dry	22.9	12.8	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 22.9		µg/kg dry	22.9	14.0	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 22.9		µg/kg dry	22.9	9.29	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 22.9		µg/kg dry	22.9	10.5	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 22.9		µg/kg dry	22.9	7.73	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 22.9		µg/kg dry	22.9	21.6	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 22.9		µg/kg dry	22.9	8.15	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 22.9		µg/kg dry	22.9	10.9	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**84.6**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716433	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
F26 6-12 Comp SC39604-51	2014-055	Soil	22-Sep-17 11:20	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 24.0		µg/kg dry	24.0	16.0	1	SW846 8082A	27-Sep-17	03-Oct-17	IMR	1716494	
11104-28-2	Aroclor-1221	< 24.0		µg/kg dry	24.0	13.4	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 24.0		µg/kg dry	24.0	14.7	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 24.0		µg/kg dry	24.0	9.75	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 24.0		µg/kg dry	24.0	11.0	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 24.0		µg/kg dry	24.0	8.12	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 24.0		µg/kg dry	24.0	22.7	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 24.0		µg/kg dry	24.0	8.56	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 24.0		µg/kg dry	24.0	11.5	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**80.7**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716433	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C31 0-6 Comp SC39604-52	2014-055	Soil	22-Sep-17 12:59	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 28.2		µg/kg dry	28.2	18.7	1	SW846 8082A	27-Sep-17	03-Oct-17	IMR	1716494	
11104-28-2	Aroclor-1221	< 28.2		µg/kg dry	28.2	15.7	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 28.2		µg/kg dry	28.2	17.3	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 28.2		µg/kg dry	28.2	11.4	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 28.2		µg/kg dry	28.2	12.9	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 28.2		µg/kg dry	28.2	9.51	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 28.2		µg/kg dry	28.2	26.6	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 28.2		µg/kg dry	28.2	10.0	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 28.2		µg/kg dry	28.2	13.5	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*40*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**68.0**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716433	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C31 6-12 Comp SC39604-53	2014-055	Soil	22-Sep-17 13:00	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 28.8		µg/kg dry	28.8	19.2	1	SW846 8082A	27-Sep-17	03-Oct-17	IMR	1716494	
11104-28-2	Aroclor-1221	< 28.8		µg/kg dry	28.8	16.1	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 28.8		µg/kg dry	28.8	17.7	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 28.8		µg/kg dry	28.8	11.7	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 28.8		µg/kg dry	28.8	13.2	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 28.8		µg/kg dry	28.8	9.73	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 28.8		µg/kg dry	28.8	27.2	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 28.8		µg/kg dry	28.8	10.3	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 28.8		µg/kg dry	28.8	13.8	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**67.3**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716433	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
A35 0-6 Comp SC39604-54	2014-055	Soil	22-Sep-17 13:13	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 29.7		µg/kg dry	29.7	19.7	1	SW846 8082A	27-Sep-17	03-Oct-17	IMR	1716494	
11104-28-2	Aroclor-1221	< 29.7		µg/kg dry	29.7	16.5	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 29.7		µg/kg dry	29.7	18.2	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 29.7		µg/kg dry	29.7	12.0	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 29.7		µg/kg dry	29.7	13.6	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 29.7		µg/kg dry	29.7	10.0	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 29.7		µg/kg dry	29.7	28.0	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 29.7		µg/kg dry	29.7	10.6	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 29.7		µg/kg dry	29.7	14.2	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**65.6**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716433	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
A35 6-12 Comp SC39604-55	2014-055	Soil	22-Sep-17 13:14	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 30.6		µg/kg dry	30.6	20.4	1	SW846 8082A	27-Sep-17	03-Oct-17	IMR	1716494	
11104-28-2	Aroclor-1221	< 30.6		µg/kg dry	30.6	17.1	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 30.6		µg/kg dry	30.6	18.8	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 30.6		µg/kg dry	30.6	12.4	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 30.6		µg/kg dry	30.6	14.0	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 30.6		µg/kg dry	30.6	10.3	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 30.6		µg/kg dry	30.6	28.9	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 30.6		µg/kg dry	30.6	10.9	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 30.6		µg/kg dry	30.6	14.6	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*40*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**65.2**		%			1	SM2540 G (11) Mod.	26-Sep-17	26-Sep-17	MBR	1716433	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Wipe-3 SC39604-56	2014-055	Wipe	22-Sep-17 07:47	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 0.20		µg/Wipe	0.20	0.10	1	SW846 8082A	30-Sep-17	04-Oct-17	IMR	1716718	
11104-28-2	Aroclor-1221	< 0.20		µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 0.20		µg/Wipe	0.20	0.09	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 0.20		µg/Wipe	0.20	0.17	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 0.20		µg/Wipe	0.20	0.18	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 0.20		µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 0.20		µg/Wipe	0.20	0.09	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 0.20		µg/Wipe	0.20	0.12	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 0.20		µg/Wipe	0.20	0.07	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Wipe-4 SC39604-57	2014-055	Wipe	22-Sep-17 13:30	25-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 0.20		µg/Wipe	0.20	0.10	1	SW846 8082A	30-Sep-17	04-Oct-17	IMR	1716718	
11104-28-2	Aroclor-1221	< 0.20		µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 0.20		µg/Wipe	0.20	0.09	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 0.20		µg/Wipe	0.20	0.17	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 0.20		µg/Wipe	0.20	0.18	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 0.20		µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 0.20		µg/Wipe	0.20	0.09	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 0.20		µg/Wipe	0.20	0.12	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 0.20		µg/Wipe	0.20	0.07	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 1716494 - SW846 3540C										
Blank (1716494-BLK1)					Prepared: 27-Sep-17 Analyzed: 30-Sep-17					
Aroclor-1016	< 19.9		µg/kg wet	19.9						
Aroclor-1016 [2C]	< 19.9		µg/kg wet	19.9						
Aroclor-1221	< 19.9		µg/kg wet	19.9						
Aroclor-1221 [2C]	< 19.9		µg/kg wet	19.9						
Aroclor-1232	< 19.9		µg/kg wet	19.9						
Aroclor-1232 [2C]	< 19.9		µg/kg wet	19.9						
Aroclor-1242	< 19.9		µg/kg wet	19.9						
Aroclor-1242 [2C]	< 19.9		µg/kg wet	19.9						
Aroclor-1248	< 19.9		µg/kg wet	19.9						
Aroclor-1248 [2C]	< 19.9		µg/kg wet	19.9						
Aroclor-1254	< 19.9		µg/kg wet	19.9						
Aroclor-1254 [2C]	< 19.9		µg/kg wet	19.9						
Aroclor-1260	< 19.9		µg/kg wet	19.9						
Aroclor-1260 [2C]	< 19.9		µg/kg wet	19.9						
Aroclor-1262	< 19.9		µg/kg wet	19.9						
Aroclor-1262 [2C]	< 19.9		µg/kg wet	19.9						
Aroclor-1268	< 19.9		µg/kg wet	19.9						
Aroclor-1268 [2C]	< 19.9		µg/kg wet	19.9						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*7.94*		µg/kg wet		*19.9*		*40*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*8.94*		µg/kg wet		*19.9*		*45*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.9*		µg/kg wet		*19.9*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*12.9*		µg/kg wet		*19.9*		*65*	*30-150*		
LCS (1716494-BS1)					Prepared: 27-Sep-17 Analyzed: 30-Sep-17					
Aroclor-1016	**213**		µg/kg wet	19.7	246		87	40-140		
Aroclor-1016 [2C]	**247**		µg/kg wet	19.7	246		100	40-140		
Aroclor-1260	**166**		µg/kg wet	19.7	246		68	40-140		
Aroclor-1260 [2C]	**180**		µg/kg wet	19.7	246		73	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.8*		µg/kg wet		*19.7*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.7*		µg/kg wet		*19.7*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.8*		µg/kg wet		*19.7*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*11.8*		µg/kg wet		*19.7*		*60*	*30-150*		
LCS Dup (1716494-BSD1)					Prepared: 27-Sep-17 Analyzed: 30-Sep-17					
Aroclor-1016	**184**		µg/kg wet	19.8	247		74	40-140	15	30
Aroclor-1016 [2C]	**212**		µg/kg wet	19.8	247		86	40-140	15	30
Aroclor-1260	**162**		µg/kg wet	19.8	247		66	40-140	2	30
Aroclor-1260 [2C]	**148**		µg/kg wet	19.8	247		60	40-140	19	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.9*		µg/kg wet		*19.8*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*9.89*		µg/kg wet		*19.8*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.9*		µg/kg wet		*19.8*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*11.9*		µg/kg wet		*19.8*		*60*	*30-150*		
Duplicate (1716494-DUP1)			**Source: SC39604-45**		Prepared: 27-Sep-17 Analyzed: 30-Sep-17					
Aroclor-1016	< 21.6		µg/kg dry	21.6		BRL				30
Aroclor-1016 [2C]	< 21.6		µg/kg dry	21.6		BRL				30
Aroclor-1221	< 21.6		µg/kg dry	21.6		BRL				30
Aroclor-1221 [2C]	< 21.6		µg/kg dry	21.6		BRL				30
Aroclor-1232	< 21.6		µg/kg dry	21.6		BRL				30
Aroclor-1232 [2C]	< 21.6		µg/kg dry	21.6		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 1716494 - SW846 3540C										
Duplicate (1716494-DUP1)			**Source: SC39604-45**		Prepared: 27-Sep-17 Analyzed: 30-Sep-17					
Aroclor-1242	< 21.6		µg/kg dry	21.6		BRL				30
Aroclor-1242 [2C]	< 21.6		µg/kg dry	21.6		BRL				30
Aroclor-1248	< 21.6		µg/kg dry	21.6		BRL				30
Aroclor-1248 [2C]	< 21.6		µg/kg dry	21.6		BRL				30
Aroclor-1254	< 21.6		µg/kg dry	21.6		BRL				30
Aroclor-1254 [2C]	< 21.6		µg/kg dry	21.6		BRL				30
Aroclor-1260	< 21.6		µg/kg dry	21.6		BRL				30
Aroclor-1260 [2C]	< 21.6		µg/kg dry	21.6		BRL				30
Aroclor-1262	< 21.6		µg/kg dry	21.6		BRL				30
Aroclor-1262 [2C]	< 21.6		µg/kg dry	21.6		BRL				30
Aroclor-1268	< 21.6		µg/kg dry	21.6		BRL				30
Aroclor-1268 [2C]	< 21.6		µg/kg dry	21.6		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.72*		µg/kg dry		*21.6*		*45*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*9.72*		µg/kg dry		*21.6*		*45*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.8*		µg/kg dry		*21.6*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*10.8*		µg/kg dry		*21.6*		*50*	*30-150*		
Matrix Spike (1716494-MS1)			**Source: SC39604-45**		Prepared: 27-Sep-17 Analyzed: 30-Sep-17					
Aroclor-1016	**174**		µg/kg dry	21.6	270	BRL	64	40-140		
Aroclor-1016 [2C]	**218**		µg/kg dry	21.6	270	BRL	81	40-140		
Aroclor-1260	**186**		µg/kg dry	21.6	270	BRL	69	40-140		
Aroclor-1260 [2C]	**201**		µg/kg dry	21.6	270	BRL	74	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.72*		µg/kg dry		*21.6*		*45*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*9.72*		µg/kg dry		*21.6*		*45*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.8*		µg/kg dry		*21.6*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*10.8*		µg/kg dry		*21.6*		*50*	*30-150*		
Matrix Spike Dup (1716494-MSD1)			**Source: SC39604-45**		Prepared: 27-Sep-17 Analyzed: 30-Sep-17					
Aroclor-1016	**167**		µg/kg dry	21.4	268	BRL	62	40-140	4	30
Aroclor-1016 [2C]	**199**		µg/kg dry	21.4	268	BRL	74	40-140	9	30
Aroclor-1260	**163**		µg/kg dry	21.4	268	BRL	61	40-140	13	30
Aroclor-1260 [2C]	**171**		µg/kg dry	21.4	268	BRL	64	40-140	16	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.64*		µg/kg dry		*21.4*		*45*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*9.64*		µg/kg dry		*21.4*		*45*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*9.64*		µg/kg dry		*21.4*		*45*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*9.64*		µg/kg dry		*21.4*		*45*	*30-150*		
Batch 1716642 - SW846 3540C										
Blank (1716642-BLK1)					Prepared: 29-Sep-17 Analyzed: 02-Oct-17					
Aroclor-1016	< 18.9		µg/kg wet	18.9						
Aroclor-1016 [2C]	< 18.9		µg/kg wet	18.9						
Aroclor-1221	< 18.9		µg/kg wet	18.9						
Aroclor-1221 [2C]	< 18.9		µg/kg wet	18.9						
Aroclor-1232	< 18.9		µg/kg wet	18.9						
Aroclor-1232 [2C]	< 18.9		µg/kg wet	18.9						
Aroclor-1242	< 18.9		µg/kg wet	18.9						
Aroclor-1242 [2C]	< 18.9		µg/kg wet	18.9						
Aroclor-1248	< 18.9		µg/kg wet	18.9						
Aroclor-1248 [2C]	< 18.9		µg/kg wet	18.9						
Aroclor-1254	< 18.9		µg/kg wet	18.9						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 1716642 - SW846 3540C										
Blank (1716642-BLK1)					Prepared: 29-Sep-17 Analyzed: 02-Oct-17					
Aroclor-1254 [2C]	< 18.9		µg/kg wet	18.9						
Aroclor-1260	< 18.9		µg/kg wet	18.9						
Aroclor-1260 [2C]	< 18.9		µg/kg wet	18.9						
Aroclor-1262	< 18.9		µg/kg wet	18.9						
Aroclor-1262 [2C]	< 18.9		µg/kg wet	18.9						
Aroclor-1268	< 18.9		µg/kg wet	18.9						
Aroclor-1268 [2C]	< 18.9		µg/kg wet	18.9						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*12.3*		µg/kg wet		*18.9*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*12.3*		µg/kg wet		*18.9*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.3*		µg/kg wet		*18.9*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.2*		µg/kg wet		*18.9*		*80*	*30-150*		
LCS (1716642-BS1)					Prepared: 29-Sep-17 Analyzed: 02-Oct-17					
Aroclor-1016	**204**		µg/kg wet	19.4	243		84	40-140		
Aroclor-1016 [2C]	**196**		µg/kg wet	19.4	243		81	40-140		
Aroclor-1260	**216**		µg/kg wet	19.4	243		89	40-140		
Aroclor-1260 [2C]	**200**		µg/kg wet	19.4	243		82	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.6*		µg/kg wet		*19.4*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*11.6*		µg/kg wet		*19.4*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.6*		µg/kg wet		*19.4*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.5*		µg/kg wet		*19.4*		*85*	*30-150*		
LCS Dup (1716642-BSD1)					Prepared: 29-Sep-17 Analyzed: 02-Oct-17					
Aroclor-1016	**198**		µg/kg wet	19.8	248		80	40-140	3	30
Aroclor-1016 [2C]	**194**		µg/kg wet	19.8	248		78	40-140	0.9	30
Aroclor-1260	**198**		µg/kg wet	19.8	248		80	40-140	9	30
Aroclor-1260 [2C]	**187**		µg/kg wet	19.8	248		76	40-140	6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*12.9*		µg/kg wet		*19.8*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*10.9*		µg/kg wet		*19.8*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.9*		µg/kg wet		*19.8*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.9*		µg/kg wet		*19.8*		*80*	*30-150*		
Batch 1716644 - SW846 3540C										
Blank (1716644-BLK1)					Prepared: 29-Sep-17 Analyzed: 02-Oct-17					
Aroclor-1016	< 19.8		µg/kg wet	19.8						
Aroclor-1016 [2C]	< 19.8		µg/kg wet	19.8						
Aroclor-1221	< 19.8		µg/kg wet	19.8						
Aroclor-1221 [2C]	< 19.8		µg/kg wet	19.8						
Aroclor-1232	< 19.8		µg/kg wet	19.8						
Aroclor-1232 [2C]	< 19.8		µg/kg wet	19.8						
Aroclor-1242	< 19.8		µg/kg wet	19.8						
Aroclor-1242 [2C]	< 19.8		µg/kg wet	19.8						
Aroclor-1248	< 19.8		µg/kg wet	19.8						
Aroclor-1248 [2C]	< 19.8		µg/kg wet	19.8						
Aroclor-1254	< 19.8		µg/kg wet	19.8						
Aroclor-1254 [2C]	< 19.8		µg/kg wet	19.8						
Aroclor-1260	< 19.8		µg/kg wet	19.8						
Aroclor-1260 [2C]	< 19.8		µg/kg wet	19.8						
Aroclor-1262	< 19.8		µg/kg wet	19.8						
Aroclor-1262 [2C]	< 19.8		µg/kg wet	19.8						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 1716644 - SW846 3540C										
Blank (1716644-BLK1)					Prepared: 29-Sep-17 Analyzed: 02-Oct-17					
Aroclor-1268	< 19.8		µg/kg wet	19.8						
Aroclor-1268 [2C]	< 19.8		µg/kg wet	19.8						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.9*		µg/kg wet		*19.8*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*11.9*		µg/kg wet		*19.8*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.9*		µg/kg wet		*19.8*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*9.89*		µg/kg wet		*19.8*		*50*	*30-150*		
LCS (1716644-BS1)					Prepared: 29-Sep-17 Analyzed: 02-Oct-17					
Aroclor-1016	**163**		µg/kg wet	19.9	249		66	40-140		
Aroclor-1016 [2C]	**171**		µg/kg wet	19.9	249		69	40-140		
Aroclor-1260	**166**		µg/kg wet	19.9	249		67	40-140		
Aroclor-1260 [2C]	**158**		µg/kg wet	19.9	249		64	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.96*		µg/kg wet		*19.9*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*11.0*		µg/kg wet		*19.9*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.0*		µg/kg wet		*19.9*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*9.96*		µg/kg wet		*19.9*		*50*	*30-150*		
LCS Dup (1716644-BSD1)					Prepared: 29-Sep-17 Analyzed: 02-Oct-17					
Aroclor-1016	**177**		µg/kg wet	19.1	239		74	40-140	8	30
Aroclor-1016 [2C]	**183**		µg/kg wet	19.1	239		76	40-140	6	30
Aroclor-1260	**169**		µg/kg wet	19.1	239		71	40-140	2	30
Aroclor-1260 [2C]	**188**		µg/kg wet	19.1	239		79	40-140	17	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.5*		µg/kg wet		*19.1*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*10.5*		µg/kg wet		*19.1*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.4*		µg/kg wet		*19.1*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*12.4*		µg/kg wet		*19.1*		*65*	*30-150*		
Duplicate (1716644-DUP1)			**Source: SC39604-34**		Prepared: 29-Sep-17 Analyzed: 03-Oct-17					
Aroclor-1016	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1016 [2C]	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1221	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1221 [2C]	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1232	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1232 [2C]	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1242	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1242 [2C]	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1248	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1248 [2C]	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1254	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1254 [2C]	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1260	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1260 [2C]	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1262	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1262 [2C]	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1268	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1268 [2C]	< 20.9		µg/kg dry	20.9		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.5*		µg/kg dry		*20.9*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*10.5*		µg/kg dry		*20.9*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.6*		µg/kg dry		*20.9*		*65*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 1716644 - SW846 3540C										
Duplicate (1716644-DUP1)			**Source: SC39604-34**		Prepared: 29-Sep-17 Analyzed: 03-Oct-17					
Surrogate: Decachlorobiphenyl (Sr) [2C]	*10.5*		µg/kg dry		*20.9*		*50*	*30-150*		
Matrix Spike (1716644-MS1)			**Source: SC39604-34**		Prepared: 29-Sep-17 Analyzed: 03-Oct-17					
Aroclor-1016	**178**		µg/kg dry	21.5	268	BRL	66	40-140		
Aroclor-1016 [2C]	**213**		µg/kg dry	21.5	268	BRL	80	40-140		
Aroclor-1260	**218**		µg/kg dry	21.5	268	BRL	81	40-140		
Aroclor-1260 [2C]	**228**		µg/kg dry	21.5	268	BRL	85	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.7*		µg/kg dry		*21.5*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*10.7*		µg/kg dry		*21.5*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.9*		µg/kg dry		*21.5*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*10.7*		µg/kg dry		*21.5*		*50*	*30-150*		
Matrix Spike Dup (1716644-MSD1)			**Source: SC39604-34**		Prepared: 29-Sep-17 Analyzed: 03-Oct-17					
Aroclor-1016	**194**		µg/kg dry	21.0	262	BRL	74	40-140	9	30
Aroclor-1016 [2C]	**256**		µg/kg dry	21.0	262	BRL	98	40-140	18	30
Aroclor-1260	**253**		µg/kg dry	21.0	262	BRL	96	40-140	15	30
Aroclor-1260 [2C]	**262**		µg/kg dry	21.0	262	BRL	100	40-140	14	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.5*		µg/kg dry		*21.0*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*12.6*		µg/kg dry		*21.0*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.7*		µg/kg dry		*21.0*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*14.7*		µg/kg dry		*21.0*		*70*	*30-150*		
Batch 1716705 - SW846 3540C										
Blank (1716705-BLK1)					Prepared: 29-Sep-17 Analyzed: 02-Oct-17					
Aroclor-1016	< 19.7		µg/kg wet	19.7						
Aroclor-1016 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1221	< 19.7		µg/kg wet	19.7						
Aroclor-1221 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1232	< 19.7		µg/kg wet	19.7						
Aroclor-1232 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1242	< 19.7		µg/kg wet	19.7						
Aroclor-1242 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1248	< 19.7		µg/kg wet	19.7						
Aroclor-1248 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1254	< 19.7		µg/kg wet	19.7						
Aroclor-1254 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1260	< 19.7		µg/kg wet	19.7						
Aroclor-1260 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1262	< 19.7		µg/kg wet	19.7						
Aroclor-1262 [2C]	< 19.7		µg/kg wet	19.7						
Aroclor-1268	< 19.7		µg/kg wet	19.7						
Aroclor-1268 [2C]	< 19.7		µg/kg wet	19.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.8*		µg/kg wet		*19.7*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*14.8*		µg/kg wet		*19.7*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.7*		µg/kg wet		*19.7*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*13.8*		µg/kg wet		*19.7*		*70*	*30-150*		
LCS (1716705-BS1)					Prepared: 29-Sep-17 Analyzed: 02-Oct-17					
Aroclor-1016	**191**		µg/kg wet	19.3	241		79	40-140		
Aroclor-1016 [2C]	**222**		µg/kg wet	19.3	241		92	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 1716705 - SW846 3540C										
LCS (1716705-BS1)					Prepared: 29-Sep-17 Analyzed: 02-Oct-17					
Aroclor-1260	**189**		µg/kg wet	19.3	241		78	40-140		
Aroclor-1260 [2C]	**217**		µg/kg wet	19.3	241		90	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*12.5*		µg/kg wet		*19.3*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*13.5*		µg/kg wet		*19.3*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.4*		µg/kg wet		*19.3*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.4*		µg/kg wet		*19.3*		*90*	*30-150*		
LCS Dup (1716705-BSD1)					Prepared: 29-Sep-17 Analyzed: 02-Oct-17					
Aroclor-1016	**187**		µg/kg wet	19.2	240		78	40-140	2	30
Aroclor-1016 [2C]	**228**		µg/kg wet	19.2	240		95	40-140	3	30
Aroclor-1260	**197**		µg/kg wet	19.2	240		82	40-140	4	30
Aroclor-1260 [2C]	**209**		µg/kg wet	19.2	240		87	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.5*		µg/kg wet		*19.2*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*14.4*		µg/kg wet		*19.2*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.3*		µg/kg wet		*19.2*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.4*		µg/kg wet		*19.2*		*80*	*30-150*		
Batch 1716718 - SW846 3540C										
Blank (1716718-BLK1)					Prepared: 30-Sep-17 Analyzed: 04-Oct-17					
Aroclor-1016	< 0.20		µg/Wipe	0.20						
Aroclor-1016 [2C]	< 0.20		µg/Wipe	0.20						
Aroclor-1221	< 0.20		µg/Wipe	0.20						
Aroclor-1221 [2C]	< 0.20		µg/Wipe	0.20						
Aroclor-1232	< 0.20		µg/Wipe	0.20						
Aroclor-1232 [2C]	< 0.20		µg/Wipe	0.20						
Aroclor-1242	< 0.20		µg/Wipe	0.20						
Aroclor-1242 [2C]	< 0.20		µg/Wipe	0.20						
Aroclor-1248	< 0.20		µg/Wipe	0.20						
Aroclor-1248 [2C]	< 0.20		µg/Wipe	0.20						
Aroclor-1254	< 0.20		µg/Wipe	0.20						
Aroclor-1254 [2C]	< 0.20		µg/Wipe	0.20						
Aroclor-1260	< 0.20		µg/Wipe	0.20						
Aroclor-1260 [2C]	< 0.20		µg/Wipe	0.20						
Aroclor-1262	< 0.20		µg/Wipe	0.20						
Aroclor-1262 [2C]	< 0.20		µg/Wipe	0.20						
Aroclor-1268	< 0.20		µg/Wipe	0.20						
Aroclor-1268 [2C]	< 0.20		µg/Wipe	0.20						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.130*		µg/Wipe		*0.200*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.130*		µg/Wipe		*0.200*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.140*		µg/Wipe		*0.200*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.150*		µg/Wipe		*0.200*		*75*	*30-150*		
LCS (1716718-BS1)					Prepared: 30-Sep-17 Analyzed: 04-Oct-17					
Aroclor-1016	**2.22**		µg/Wipe	0.20	2.50		89	40-140		
Aroclor-1016 [2C]	**2.25**		µg/Wipe	0.20	2.50		90	40-140		
Aroclor-1260	**2.17**		µg/Wipe	0.20	2.50		87	40-140		
Aroclor-1260 [2C]	**2.28**		µg/Wipe	0.20	2.50		91	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.120*		µg/Wipe		*0.200*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.110*		µg/Wipe		*0.200*		*55*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 1716718 - SW846 3540C										
LCS (1716718-BS1)					Prepared: 30-Sep-17 Analyzed: 04-Oct-17					
Surrogate: Decachlorobiphenyl (Sr)	*0.120*		µg/Wipe		*0.200*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.130*		µg/Wipe		*0.200*		*65*	*30-150*		
LCS Dup (1716718-BSD1)					Prepared: 30-Sep-17 Analyzed: 04-Oct-17					
Aroclor-1016	**2.26**		µg/Wipe	0.20	2.50		90	40-140	2	30
Aroclor-1016 [2C]	**2.31**		µg/Wipe	0.20	2.50		92	40-140	3	30
Aroclor-1260	**2.25**		µg/Wipe	0.20	2.50		90	40-140	4	30
Aroclor-1260 [2C]	**2.27**		µg/Wipe	0.20	2.50		91	40-140	0.4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.120*		µg/Wipe		*0.200*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.120*		µg/Wipe		*0.200*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.120*		µg/Wipe		*0.200*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.120*		µg/Wipe		*0.200*		*60*	*30-150*		
Batch 1716720 - SW846 3540C										
Blank (1716720-BLK1)					Prepared: 30-Sep-17 Analyzed: 03-Oct-17					
Aroclor-1016	< 19.4		µg/kg wet	19.4						
Aroclor-1016 [2C]	< 19.4		µg/kg wet	19.4						
Aroclor-1221	< 19.4		µg/kg wet	19.4						
Aroclor-1221 [2C]	< 19.4		µg/kg wet	19.4						
Aroclor-1232	< 19.4		µg/kg wet	19.4						
Aroclor-1232 [2C]	< 19.4		µg/kg wet	19.4						
Aroclor-1242	< 19.4		µg/kg wet	19.4						
Aroclor-1242 [2C]	< 19.4		µg/kg wet	19.4						
Aroclor-1248	< 19.4		µg/kg wet	19.4						
Aroclor-1248 [2C]	< 19.4		µg/kg wet	19.4						
Aroclor-1254	< 19.4		µg/kg wet	19.4						
Aroclor-1254 [2C]	< 19.4		µg/kg wet	19.4						
Aroclor-1260	< 19.4		µg/kg wet	19.4						
Aroclor-1260 [2C]	< 19.4		µg/kg wet	19.4						
Aroclor-1262	< 19.4		µg/kg wet	19.4						
Aroclor-1262 [2C]	< 19.4		µg/kg wet	19.4						
Aroclor-1268	< 19.4		µg/kg wet	19.4						
Aroclor-1268 [2C]	< 19.4		µg/kg wet	19.4						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.71*		µg/kg wet		*19.4*		*45*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*9.68*		µg/kg wet		*19.4*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.7*		µg/kg wet		*19.4*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*9.68*		µg/kg wet		*19.4*		*50*	*30-150*		
LCS (1716720-BS1)					Prepared: 30-Sep-17 Analyzed: 03-Oct-17					
Aroclor-1016	**166**		µg/kg wet	19.4	242		69	40-140		
Aroclor-1016 [2C]	**186**		µg/kg wet	19.4	242		77	40-140		
Aroclor-1260	**168**		µg/kg wet	19.4	242		70	40-140		
Aroclor-1260 [2C]	**165**		µg/kg wet	19.4	242		68	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.6*		µg/kg wet		*19.4*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*10.6*		µg/kg wet		*19.4*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.6*		µg/kg wet		*19.4*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*11.6*		µg/kg wet		*19.4*		*60*	*30-150*		
LCS Dup (1716720-BSD1)					Prepared: 30-Sep-17 Analyzed: 03-Oct-17					
Aroclor-1016	**176**		µg/kg wet	19.2	240		73	40-140	5	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 1716720 - SW846 3540C										
LCS Dup (1716720-BSD1)					Prepared: 30-Sep-17 Analyzed: 03-Oct-17					
Aroclor-1016 [2C]	**184**		µg/kg wet	19.2	240		76	40-140	1	30
Aroclor-1260	**168**		µg/kg wet	19.2	240		70	40-140	0.1	30
Aroclor-1260 [2C]	**168**		µg/kg wet	19.2	240		70	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.5*		µg/kg wet		*19.2*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*10.6*		µg/kg wet		*19.2*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.5*		µg/kg wet		*19.2*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*11.5*		µg/kg wet		*19.2*		*60*	*30-150*		
Duplicate (1716720-DUP1)			**Source: SC39604-04**		Prepared: 30-Sep-17 Analyzed: 03-Oct-17					
Aroclor-1016	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1016 [2C]	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1221	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1221 [2C]	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1232	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1232 [2C]	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1242	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1242 [2C]	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1248	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1248 [2C]	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1254	**56.5**		µg/kg dry	20.9		52.2			8	30
Aroclor-1254 [2C]	**48.1**		µg/kg dry	20.9		53.2			10	30
Aroclor-1260	**50.2**	QM4	µg/kg dry	20.9		35.3			35	30
Aroclor-1260 [2C]	**52.3**	QM4	µg/kg dry	20.9		35.3			39	30
Aroclor-1262	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1262 [2C]	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1268	< 20.9		µg/kg dry	20.9		BRL				30
Aroclor-1268 [2C]	< 20.9		µg/kg dry	20.9		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.5*		µg/kg dry		*20.9*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*13.6*		µg/kg dry		*20.9*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.6*		µg/kg dry		*20.9*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*13.6*		µg/kg dry		*20.9*		*65*	*30-150*		
Matrix Spike (1716720-MS1)			**Source: SC39604-04**		Prepared: 30-Sep-17 Analyzed: 03-Oct-17					
Aroclor-1016	**181**		µg/kg dry	21.5	269	BRL	67	40-140		
Aroclor-1016 [2C]	**215**		µg/kg dry	21.5	269	BRL	80	40-140		
Aroclor-1254	**104**		µg/kg dry	21.5		52.2		40-140		
Aroclor-1254 [2C]	**121**		µg/kg dry	21.5		53.2		40-140		
Aroclor-1260	**178**		µg/kg dry	21.5	269	35.3	53	40-140		
Aroclor-1260 [2C]	**200**		µg/kg dry	21.5	269	35.3	61	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.8*		µg/kg dry		*21.5*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*14.0*		µg/kg dry		*21.5*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.0*		µg/kg dry		*21.5*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.1*		µg/kg dry		*21.5*		*70*	*30-150*		
Matrix Spike Dup (1716720-MSD1)			**Source: SC39604-04**		Prepared: 30-Sep-17 Analyzed: 03-Oct-17					
Aroclor-1016	**232**		µg/kg dry	21.6	269	BRL	86	40-140	25	30
Aroclor-1016 [2C]	**205**		µg/kg dry	21.6	269	BRL	76	40-140	5	30
Aroclor-1254	**129**		µg/kg dry	21.6		52.2		40-140	21	30
Aroclor-1254 [2C]	**125**		µg/kg dry	21.6		53.2		40-140	4	30
Aroclor-1260	**182**		µg/kg dry	21.6	269	35.3	55	40-140	3	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 1716720 - SW846 3540C										
Matrix Spike Dup (1716720-MSD1)			**Source: SC39604-04**		Prepared: 30-Sep-17 Analyzed: 03-Oct-17					
Aroclor-1260 [2C]	**206**		µg/kg dry	21.6	269	35.3	63	40-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.8*		µg/kg dry		*21.6*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*15.1*		µg/kg dry		*21.6*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.9*		µg/kg dry		*21.6*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*12.9*		µg/kg dry		*21.6*		*60*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SM2540 G (11) Mod.										
Batch 1716431 - General Preparation										
Duplicate (1716431-DUP1)			**Source: SC39604-07**			Prepared & Analyzed: 26-Sep-17				
% Solids	**92.0**		%			92.4			0.5	5
Duplicate (1716431-DUP2)			**Source: SC39604-08**			Prepared & Analyzed: 26-Sep-17				
% Solids	**94.5**		%			93.5			1	5
Batch 1716432 - General Preparation										
Duplicate (1716432-DUP1)			**Source: SC39604-27**			Prepared & Analyzed: 26-Sep-17				
% Solids	**93.8**		%			92.3			2	5
Duplicate (1716432-DUP2)			**Source: SC39604-28**			Prepared & Analyzed: 26-Sep-17				
% Solids	**91.0**		%			90.5			0.5	5
Batch 1716433 - General Preparation										
Duplicate (1716433-DUP1)			**Source: SC39604-47**			Prepared & Analyzed: 26-Sep-17				
% Solids	**84.1**		%			85.3			1	5
Duplicate (1716433-DUP2)			**Source: SC39604-48**			Prepared & Analyzed: 26-Sep-17				
% Solids	**87.7**		%			88.5			0.8	5

Notes and Definitions

P	Difference between the two GC columns is greater than 40%.
QM4	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
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.

SC 39604

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CHAIN OF CUSTODY RECORD

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Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: CMG ENVIRONMENTAL, INC.
67 HALL RD
STURBRIDGE MA 01566

Telephone #: 774-291-0901
Project Mgr: BEN GOULD

Invoice To: SAME

P.O No.: _____ Quote #: 9228

Project No: 2014-055
Site Name: WTC
Location: WAYLAND State: MA
Sampler(s): G. MAGNUSON & CLARK, R. GOAD

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= HEXANE 12= _____

List Preservative Code below: 11

QA/QC Reporting Notes:
* additional charges may appply

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= WIPE X2= _____ X3= _____

G= Grab C=Compsite

MA DEP MCP CAM Report? [x] Yes [ ] No
CT DPH RCP Report? [ ] Yes [ ] No
[x] Standard [ ] No QC
[ ] DQA*
[ ] ASP A* [ ] ASP B*
[ ] NJ Reduced* [ ] NJ Full*
[ ] Tier II* [ ] Tier IV*
[ ] Other: _____
State-specific reporting standards:

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		PCB8082 Sox.	PCB8082 Sox Hex						Check if chlorinated	QA/QC Reporting Notes
39604-01	WIPE-1	9/21/17	0925	C	X1	1					X							☐	RCS-1
-02	WIPE-2		1530	C	X1	1					X							☐	
-03	BLANK		0830	C	X1	1					X							☐	
-04	M79 0-6 COMP		0945	C	SO		1					X						☐	
-05	M79 6-12 COMP		0946	C	SO		1					X						☐	
-06	V73 0-6 COMP		1003	C	SO		1					X						☐	
-07	V73 6-12 COMP		1004	C	SO		1					X						☐	
-08	V76 0-6 COMP		1024	C	SO		1					X						☐	
-09	V76 6-12 COMP		1025	C	SO		1					X						☐	
	NEXT PAGE																	☐	

Relinquished by:	Received by:	Date:	Time:	Temp °C
CRG	[signature]	9-25-17	9:55	Observed 3.2
David Aer	[signature]	9/25/17	1710	Correction Factor 0
				Corrected 3.2
				IR ID # CR

[ ] EDD format: _____
[x] E-mail to: bgould@cmgenv.com

Condition upon receipt: Custody Seals: [ ] Present [ ] Intact [ ] Broken
[ ] Ambient [ ] Iced [x] Refrigerated [ ] DI VOA Frozen [ ] Soil Jar Frozen

SC 39604

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CHAIN OF CUSTODY RECORD

Page 2 of 6

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: CMGENVIRONMENTAL, INC
67 HALL RD
STURBRIDGE, MA 01566

Telephone #: 774-241-0901
Project Mgr: B. GOULD

Invoice To: SAME

P.O No.: _____ Quote #: 9728

Project No: 2014-055
Site Name: WTC
Location: WAYLAND State: MA
Sampler(s): G. MAGNUSON, J. CLARK, R. GOAD

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= _____

List Preservative Code below:

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= _____ X2= _____ X3= _____

G= Grab C=Compsite

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? [x] Yes [ ] No
CT DPH RCP Report? [ ] Yes [ ] No
[x] Standard [ ] No QC
[ ] DQA*
[ ] ASP A* [ ] ASP B*
[ ] NJ Reduced* [ ] NJ Full*
[ ] Tier II* [ ] Tier IV*
[ ] Other: _____
State-specific reporting standards:

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic			PCBs 8082 SOXHLET						Check if chlorinated	
39604-10	U780-6 COMP	9/21/17	1044	C	SO		1					X						☐	RCS-1
-11	U786-12 COMP	↓	1045	↓	↓		1					X						☐	
-12	M880-6 COMP	↓	1105	↓	↓		1					X						☐	
-13	M886-12 COMP	↓	1106	↓	↓		1					X						☐	
-14	H840-6 COMP	↓	1128	↓	↓		1					X						☐	
-15	H846-12 COMP	↓	1129	↓	↓		1					X						☐	
-16	H800-6 COMP	↓	1224	↓	↓		1					X						☐	
-17	H806-12 COMP	↓	1225	↓	↓		1					X						☐	
-18	H780-6 COMP	↓	1241	↓	↓		1					X						☐	
-19	H786-12 COMP	↓	1242	↓	↓		1					X						☐	

Relinquished by:	Received by:	Date:	Time:	Temp °C
CMG	[signature]	9-25-17	9:55	Observed 3.2
[signature]	[signature]	9/25/17	1710	Correction Factor 0
				Corrected 3.2
				IR ID # C2

[ ] EDD format:
[x] E-mail to: bgould@cmgenv.com

Condition upon receipt: Custody Seals: [ ] Present [ ] Intact [ ] Broken
[ ] Ambient [ ] Iced [x] Refrigerated [ ] DI VOA Frozen [ ] Soil Jar Frozen

Sc 39604

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

Special Handling:

- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: CRG ENVIRONMENTAL, INC.
67 HALL RD
STURBRIDGE MA 01566

Telephone #: 774-241-0901
Project Mgr: B. GOULD

Invoice To: SAME

P.O No.: _____ Quote #: 9228

Project No: 2014-055
Site Name: WTC
Location: WAYLAND State: MA
Sampler(s): G. MAGNUSON, J. CLARK, B. GOULD

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= _____

List Preservative Code below:

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= _____ X2= _____ X3= _____

G= Grab C=Compsite

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? [x] Yes [ ] No
CT DPH RCP Report? [ ] Yes [ ] No
[x] Standard [ ] No QC
[ ] DQA*
[ ] ASP A* [ ] ASP B*
[ ] NJ Reduced* [ ] NJ Full*
[ ] Tier II* [ ] Tier IV*
[ ] Other: _____
State-specific reporting standards:

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic			Analysis: PCBs 8082						Check if chlorinated	QA/QC Reporting Notes
39604-20	L70 0-6 COMP	9/21/17	1302	C	SO		1					X						☐	RCS-1
-21	L70 6-12 COMP		1303				1					X						☐	
-22	Q67 0-6 COMP		1327				1					X						☐	
-23	Q67 6-12 COMP		1328				1					X						☐	
-24	O63 0-6 COMP		1347				1					X						☐	
-25	O63 6-12 COMP		1348				1					X						☐	
-26	H64 0-6 COMP		1411				1					X						☐	
-27	H64 6-12 COMP		1412				1					X						☐	
-28	Y58 0-6 COMP		1441				1					X						☐	
-29	Y58 6-12 COMP		1442				1					X						☐	

Relinquished by:	Received by:	Date:	Time:	Temp °C
CRG	[signature]	9-25-17	9:55	Observed 3.2
[signature]	[signature]	9/25/17	1700	Correction Factor 0
				Corrected 3.2
				IR ID # CR

[ ] EDD format:
[x] E-mail to: bgould@congenv.com

Condition upon receipt: Custody Seals: [ ] Present [ ] Intact [ ] Broken
[ ] Ambient [ ] Iced [x] Refrigerated [ ] DI VOA Frozen [ ] Soil Jar Frozen

SC 396042

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CHAIN OF CUSTODY RECORD

Page 4 of 6

Special Handling:

- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed:

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: CMG ENVIRONMENTAL, INC
67 HALL RD
STURBRIDGE MA 01566

Telephone #: 774-241-6901
Project Mgr: B. GOULD

Invoice To: SAME

P.O No.: Quote #: 9228

Project No: 2014-055
Site Name: WTC
Location: WAYLAND State: MA
Sampler(s): G. MAGNUSON, J. CLARK, R. SOAR

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=

List Preservative Code below:

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

G= Grab C=Compsite

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? [x] Yes [ ] No
CT DPH RCP Report? [ ] Yes [ ] No
[x] Standard [ ] No QC [ ] DQA*
[ ] ASP A* [ ] ASP B*
[ ] NJ Reduced* [ ] NJ Full*
[ ] Tier II* [ ] Tier IV*
[ ] Other:
State-specific reporting standards: RCS-1

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis	Check if chlorinated
396042-30	W50 0-6 COMP	9/21/17	1458	C	SO		1			X	
-31	W50 6-12 COMP		1459				1			X	
-32	U46 0-6 COMP		1521				1			X	
-33	U46 6-12 COMP		1522				1			X	
-34	U41 0-6 COMP	9/22/17	0913				1			X	
-35	U41 6-12 COMP		0914				1			X	
-36	T32 0-6 COMP		0931				1			X	
-37	T32 6-12 COMP		0932				1			X	
-38	V28 0-6 COMP		0939				1			X	
-39	V28 6-12 COMP		0940				1			X	

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	9-25-17	9:55
[signature]	[signature]	9/25/17	1710

Temp °C: Observed 3.2; Correction Factor 0; Corrected 3.2; IR ID # CA

[ ] EDD format:
[x] E-mail to: bgould@cmgenv.com

Condition upon receipt: Custody Seals: [ ] Present [ ] Intact [ ] Broken
[ ] Ambient [ ] Iced [x] Refrigerated [ ] DI VOA Frozen [ ] Soil Jar Frozen

SC 39604

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CHAIN OF CUSTODY RECORD

Page 5 of 6

Special Handling:

- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed:

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: CMG ENVIRONMENTAL INC.
67 HALL RD
STURBRIDGE MA 01566

Telephone #: 774-241-0901
Project Mgr: BEN GOULD

Invoice To: SAME

P.O No.:
Quote #: 9228

Project No: 2014-055
Site Name: WTC
Location: WAYLAND State: MA
Sampler(s): G. MAGNUSON, J. CLARK, B. GOULD

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=

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

G= Grab C=Compsite

MA DEP MCP CAM Report? [x] Yes [ ] No
CT DPH RCP Report? [ ] Yes [ ] No
[x] Standard [ ] No QC
[ ] DQA*
[ ] ASP A* [ ] ASP B*
[ ] NJ Reduced* [ ] NJ Full*
[ ] Tier II* [ ] Tier IV*
[ ] Other:
State-specific reporting standards:

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic			Analysis: PCB8082						Check if chlorinated	QA/QC Reporting Notes
39604-40	D16 0-6 COMP	9/22/17	0951	C	SO		1					X						☐	RCS-1
-41	D16 6-12 COMP		0952				1					X						☐	
-42	C22 0-6 COMP		1017				1					X						☐	
-43	C22 6-12 COMP		1018				1					X						☐	
-44	E20 0-6 COMP		1029				1					X						☐	
-45	E20 6-12 COMP		1030				1					X						☐	
-46	D22 0-6 COMP		1041				1					X						☐	
-47	D22 6-12 COMP		1042				1					X						☐	
-48	L33 0-6 COMP		1107				1					X						☐	
-49	L33 6-12 COMP		1108				1					X						☐	

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	9-25-17	9:55
[signature]	[signature]	9/25/17	1710

Temp °C: Observed 3.2; Correction Factor 0; Corrected 3.2; IR ID # CG

[ ] EDD format:
[x] E-mail to: bgould@cmgenv.com

Condition upon receipt: Custody Seals: [ ] Present [ ] Intact [ ] Broken
[ ] Ambient [ ] Iced [x] Refrigerated [ ] DI VOA Frozen [ ] Soil Jar Frozen

Sc 39604e

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TAT's subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: CMG ENVIRONMENTAL INC
67 HALL RD
STURBRIDGE MA 01566
Telephone #: 774-241-0901
Project Mgr: B. GOULD

Invoice To: SAME
P.O No.: _____ Quote #: 9228

Project No: 2014-055
Site Name: WTC
Location: WAYLAND State: MA
Sampler(s): G. MAGNUSON, J. CLARK, B. GOULD

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= HEXANE 12= _____

List Preservative Code below: 11

QA/QC Reporting Notes:
* additional charges may appply

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= WIPE X2= _____ X3= _____

G= Grab C=Compsite

MA DEP MCP CAM Report? [x] Yes [ ] No
CT DPH RCP Report? [ ] Yes [ ] No
[x] Standard [ ] No QC [ ] DQA*
[ ] ASP A* [ ] ASP B*
[ ] NJ Reduced* [ ] NJ Full*
[ ] Tier II* [ ] Tier IV*
[ ] Other: _____
State-specific reporting standards:

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		PCB8082Sx	PCB8082Sx							Check if chlorinated	QA/QC Reporting Notes
39604-50	F26 0-6 comp	9/22/17	1119	C	SO		1					X							☐	RCS-1
-51	F26 6-12 comp		1120				1					X							☐	
-52	C31 0-6 comp		1259				1					X							☐	
-53	C31 6-12 comp		1300				1					X							☐	
-54	A35 0-6 comp		1313				1					X							☐	
-55	A35 6-12 comp		1314				1					X							☐	
-56	WIPE-3		0747		X1	1					X								☐	
-57	WIPE-4		1330		X1	1					X								☐	
																			☐	
																			☐	

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	9-25-17	9:55
[signature]	[signature]	9/25/17	1710

Temp °C: Observed 3.2; Correction Factor 0; Corrected 3.2; IR ID # CD

☐ EDD format:
[x] E-mail to: bgould@cmgenv.com

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

Batch Summary

1716430

General Chemistry Parameters

SC39604-04 (M79 0-6 Comp)
SC39604-05 (M79 6-12 Comp)
SC39604-06 (V73 0-6 Comp)

1716431

General Chemistry Parameters

1716431-DUP1
1716431-DUP2
SC39604-07 (V73 6-12 Comp)
SC39604-08 (V76 0-6 Comp)
SC39604-09 (V76 6-12 Comp)
SC39604-10 (U78 0-6 Comp)
SC39604-11 (U78 6-12 Comp)
SC39604-12 (M88 0-6 Comp)
SC39604-13 (M88 6-12 Comp)
SC39604-14 (H84 0-6 Comp)
SC39604-15 (H84 6-12 Comp)
SC39604-16 (H80 0-6 Comp)
SC39604-17 (H80 6-12 Comp)
SC39604-18 (H78 0-6 Comp)
SC39604-19 (H78 6-12 Comp)
SC39604-20 (L70 0-6 Comp)
SC39604-21 (L70 6-12 Comp)
SC39604-22 (Q67 0-6 Comp)
SC39604-23 (Q67 6-12 Comp)
SC39604-24 (O63 0-6 Comp)
SC39604-25 (O63 6-12 Comp)
SC39604-26 (H64 0-6 Comp)

1716432

General Chemistry Parameters

1716432-DUP1
1716432-DUP2
SC39604-27 (H64 6-12 Comp)
SC39604-28 (Y58 0-6 Comp)
SC39604-29 (Y58 6-12 Comp)
SC39604-30 (W50 0-6 Comp)
SC39604-31 (W50 6-12 Comp)
SC39604-32 (U46 0-6 Comp)
SC39604-33 (U46 6-12 Comp)
SC39604-34 (U41 0-6 Comp)
SC39604-35 (U41 6-12 Comp)
SC39604-36 (T32 0-6 Comp)
SC39604-37 (T32 6-12 Comp)
SC39604-38 (V28 0-6 Comp)
SC39604-39 (V28 6-12 Comp)
SC39604-40 (D16 0-6 Comp)
SC39604-41 (D16 6-12 Comp)
SC39604-42 (C22 0-6 Comp)
SC39604-43 (C22 6-12 Comp)
SC39604-44 (E20 0-6 Comp)
SC39604-45 (E20 6-12 Comp)
SC39604-46 (D22 0-6 Comp)

1716433

General Chemistry Parameters

1716433-DUP1
1716433-DUP2
SC39604-47 (D22 6-12 Comp)
SC39604-48 (L33 0-6 Comp)
SC39604-49 (L33 6-12 Comp)
SC39604-50 (F26 0-6 Comp)
SC39604-51 (F26 6-12 Comp)
SC39604-52 (C31 0-6 Comp)
SC39604-53 (C31 6-12 Comp)
SC39604-54 (A35 0-6 Comp)
SC39604-55 (A35 6-12 Comp)

1716494

Semivolatile Organic Compounds by GC

1716494-BLK1
1716494-BS1
1716494-BSD1
1716494-DUP1
1716494-MS1
1716494-MSD1
SC39604-45 (E20 6-12 Comp)
SC39604-46 (D22 0-6 Comp)
SC39604-47 (D22 6-12 Comp)
SC39604-48 (L33 0-6 Comp)
SC39604-49 (L33 6-12 Comp)
SC39604-50 (F26 0-6 Comp)
SC39604-51 (F26 6-12 Comp)
SC39604-52 (C31 0-6 Comp)
SC39604-53 (C31 6-12 Comp)
SC39604-54 (A35 0-6 Comp)
SC39604-55 (A35 6-12 Comp)

1716642

Semivolatile Organic Compounds by GC

1716642-BLK1
1716642-BS1
1716642-BSD1
SC39604-39 (V28 6-12 Comp)
SC39604-40 (D16 0-6 Comp)
SC39604-41 (D16 6-12 Comp)
SC39604-42 (C22 0-6 Comp)
SC39604-43 (C22 6-12 Comp)
SC39604-44 (E20 0-6 Comp)

1716644

Semivolatile Organic Compounds by GC

1716644-BLK1
1716644-BS1
1716644-BSD1
1716644-DUP1
1716644-MS1
1716644-MSD1
SC39604-27 (H64 6-12 Comp)
SC39604-28 (Y58 0-6 Comp)
SC39604-29 (Y58 6-12 Comp)
SC39604-30 (W50 0-6 Comp)
SC39604-31 (W50 6-12 Comp)
SC39604-32 (U46 0-6 Comp)
SC39604-33 (U46 6-12 Comp)
SC39604-34 (U41 0-6 Comp)
SC39604-35 (U41 6-12 Comp)
SC39604-36 (T32 0-6 Comp)
SC39604-37 (T32 6-12 Comp)
SC39604-38 (V28 0-6 Comp)

1716705

Semivolatile Organic Compounds by GC

1716705-BLK1
1716705-BS1
1716705-BSD1
SC39604-15 (H84 6-12 Comp)
SC39604-16 (H80 0-6 Comp)
SC39604-17 (H80 6-12 Comp)
SC39604-18 (H78 0-6 Comp)
SC39604-19 (H78 6-12 Comp)
SC39604-20 (L70 0-6 Comp)
SC39604-21 (L70 6-12 Comp)
SC39604-22 (Q67 0-6 Comp)
SC39604-23 (Q67 6-12 Comp)
SC39604-24 (O63 0-6 Comp)
SC39604-25 (O63 6-12 Comp)
SC39604-26 (H64 0-6 Comp)

1716718

Semivolatile Organic Compounds by GC

1716718-BLK1
1716718-BS1
1716718-BSD1
SC39604-01 (Wipe-1)
SC39604-02 (Wipe-2)
SC39604-03 (Blank)
SC39604-56 (Wipe-3)
SC39604-57 (Wipe-4)

1716720

Semivolatile Organic Compounds by GC

1716720-BLK1
1716720-BS1
1716720-BSD1
1716720-DUP1
1716720-MS1
1716720-MSD1
SC39604-04 (M79 0-6 Comp)
SC39604-05 (M79 6-12 Comp)
SC39604-06 (V73 0-6 Comp)
SC39604-07 (V73 6-12 Comp)
SC39604-08 (V76 0-6 Comp)
SC39604-09 (V76 6-12 Comp)
SC39604-10 (U78 0-6 Comp)
SC39604-11 (U78 6-12 Comp)
SC39604-12 (M88 0-6 Comp)
SC39604-13 (M88 6-12 Comp)
SC39604-14 (H84 0-6 Comp)

S705626

Semivolatile Organic Compounds by GC

S705626-CAL1
S705626-CAL2
S705626-CAL3
S705626-CAL4
S705626-CAL5
S705626-CAL6
S705626-CAL7
S705626-CAL8
S705626-CAL9
S705626-CALA
S705626-CALB
S705626-CALC
S705626-CALD
S705626-CALE
S705626-CALF
S705626-CALG
S705626-CALH
S705626-CALI
S705626-CALJ
S705626-CALK
S705626-CALL
S705626-CALM
S705626-CALN
S705626-CALO
S705626-CALP
S705626-CALQ
S705626-CALR
S705626-CALS
S705626-CALT
S705626-CALU
S705626-ICV1
S705626-ICV2
S705626-ICV3
S705626-ICV4
S705626-ICV5
S705626-ICV6
S705626-LCV1
S705626-LCV2
S705626-LCV3
S705626-LCV4
S705626-LCV5
S705626-LCV6

S708675

Semivolatile Organic Compounds by GC

S708675-CCV1
S708675-CCV2
S708675-CCV3
S708675-CCV4
S708675-CCV5
S708675-IBL1
S708675-IBL2
S708675-IBL3

S708699

Semivolatile Organic Compounds by GC

S708699-CCV1
S708699-CCV2
S708699-CCV3
S708699-CCV4
S708699-IBL1
S708699-IBL2
S708699-IBL3
S708699-IBL4

S708711

Semivolatile Organic Compounds by GC

S708711-CCV1
S708711-CCV2
S708711-CCV3
S708711-CCV4
S708711-CCV5
S708711-IBL1
S708711-IBL2
S708711-IBL3

S708716

Semivolatile Organic Compounds by GC

S708716-CCV1
S708716-CCV2
S708716-CCV3
S708716-CCV4
S708716-CCV5
S708716-IBL1
S708716-IBL2
S708716-IBL3

S708738

Semivolatile Organic Compounds by GC

S708738-CCV1
S708738-CCV2
S708738-CCV3
S708738-CCV4
S708738-IBL1
S708738-IBL2

S708742

Semivolatile Organic Compounds by GC

S708742-CCV1
S708742-CCV2
S708742-CCV3
S708742-CCV4
S708742-IBL1
S708742-IBL2

S708749

Semivolatile Organic Compounds by GC

S708749-CCV1
S708749-CCV2
S708749-CCV3
S708749-CCV4
S708749-CCV5
S708749-IBL1
S708749-IBL2
S708749-IBL3

S708752

Semivolatile Organic Compounds by GC

S708752-CCV1
S708752-CCV2
S708752-CCV3
S708752-CCV4
S708752-CCV5
S708752-IBL1
S708752-IBL2
S708752-IBL3

S708767

Semivolatile Organic Compounds by GC

S708767-CCV1
S708767-CCV2
S708767-IBL1
S708767-IBL2

S708769

Semivolatile Organic Compounds by GC

S708769-CCV1
S708769-CCV2
S708769-CCV3
S708769-IBL1
S708769-IBL2
S708769-IBL3

S708773

Semivolatile Organic Compounds by GC

S708773-CCV1
S708773-CCV2
S708773-CCV3
S708773-CCV4
S708773-IBL1
S708773-IBL2

eurofins | Spectrum Analytical

☑ Final Report
☐ Revised Report

Report Date:
09-Oct-17 09:55

Laboratory Report
SC39791

CMG Environmental, Inc.
67 Hall Road
Sturbridge, MA 01566
Attn: Ben Gould

Project: WTC - Wayland, MA
Project #: 2014-055

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 # E87936
Maine # MA138
New Hampshire # 2972/2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00348
USDA # P330-15-00375

Authorized by:

Rebecca Merz
Quality Services Manager

Eurofins Spectrum Analytical holds primary certification in the State of Massachusetts for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of Massachusetts 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 Eurofins Spectrum Analytical, Inc.

Eurofins Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Spectrum Analytical, Inc. 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 Eurofins 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 (PA-68-04426).

Sample Summary

Work Order: SC39791

Project: WTC - Wayland, MA

Project Number: 2014-055

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC39791-01	B45 0-6 Comp	Soil	27-Sep-17 09:49	28-Sep-17 17:35
SC39791-02	B45 6-12 Comp	Soil	27-Sep-17 09:50	28-Sep-17 17:35
SC39791-03	E41 0-6 Comp	Soil	27-Sep-17 10:15	28-Sep-17 17:35
SC39791-04	E41 6-12 Comp	Soil	27-Sep-17 10:16	28-Sep-17 17:35
SC39791-05	G43 0-6 Comp	Soil	27-Sep-17 10:44	28-Sep-17 17:35
SC39791-06	G43 6-12 Comp	Soil	27-Sep-17 10:45	28-Sep-17 17:35
SC39791-07	J40 0-6 Comp	Soil	27-Sep-17 11:12	28-Sep-17 17:35
SC39791-08	J40 6-12 Comp	Soil	27-Sep-17 11:13	28-Sep-17 17:35
SC39791-09	Wipe-5	Wipe	27-Sep-17 09:15	28-Sep-17 17:35
SC39791-10	Wipe-6	Wipe	27-Sep-17 12:20	28-Sep-17 17:35

MassDEP Analytical Protocol Certification Form

Laboratory Name: Eurofins Spectrum Analytical, Inc.	**Project #:** 2014-055
Project Location: WTC - Wayland, MA	**RTN:**
This form provides certifications for the following data set:	SC39791-01 through SC39791-10
Matrices: Soil Wipe	

CAM Protocol

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	✓ 8082 PCB CAM V A	9012 Total Cyanide/PAC CAM VI A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B

Affirmative responses to questions A through F are required for Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	✓ Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	✓ Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	✓ Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	✓ Yes No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to questions A through E)?	✓ Yes No

Responses to questions G, H and I below are required for Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	✓ Yes No

Data User Note: ***Data that achieve Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.***

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	✓ Yes No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	✓ Yes No

All negative responses are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Dawn E. Wojcik

Dawn E. Wojcik
Laboratory Director
Date: 10/9/2017

CASE NARRATIVE:

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

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

The samples were received 0.4 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. If method or program required MS/MSD/Dup were not performed, sufficient sample was not provided to the laboratory.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

According to WSC-CAM 5/2009 Rev.1, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult.

Some target analytes which are not listed as exceptions in the Summary of CAM Reporting Limits may exceed the recommended RL based on sample initial volume or weight provided, % moisture content, or responsiveness of a particular analyte to purge and trap instrumentation.

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

Sample Acceptance Check Form

Client:	CMG Environmental, Inc.
Project:	WTC - Wayland, MA / 2014-055
Work Order:	SC39791
Sample(s) received on:	9/28/2017

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 refrigerated 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?	☑	☐	☐

Summary of Hits

Lab ID: SC39791-05 **Client ID:** G43 0-6 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254 [2C]	150		21.7	µg/kg	SW846 8082A
Aroclor-1260 [2C]	160		21.7	µg/kg	SW846 8082A

Lab ID: SC39791-06 **Client ID:** G43 6-12 Comp

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254 [2C]	171		20.8	µg/kg	SW846 8082A
Aroclor-1260	183		20.8	µg/kg	SW846 8082A

Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B45 0-6 Comp SC39791-01	2014-055	Soil	27-Sep-17 09:49	28-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 22.2		µg/kg dry	22.2	14.8	1	SW846 8082A	30-Sep-17	03-Oct-17	IMR	1716720	
11104-28-2	Aroclor-1221	< 22.2		µg/kg dry	22.2	12.4	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 22.2		µg/kg dry	22.2	13.6	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 22.2		µg/kg dry	22.2	9.01	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 22.2		µg/kg dry	22.2	10.2	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 22.2		µg/kg dry	22.2	7.50	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 22.2		µg/kg dry	22.2	21.0	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 22.2		µg/kg dry	22.2	7.91	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 22.2		µg/kg dry	22.2	10.6	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**89.2**		%			1	SM2540 G (11) Mod.	29-Sep-17	29-Sep-17	MBR	1716687	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B45 6-12 Comp SC39791-02	2014-055	Soil	27-Sep-17 09:50	28-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.0		µg/kg dry	21.0	14.0	1	SW846 8082A	30-Sep-17	03-Oct-17	IMR	1716720	
11104-28-2	Aroclor-1221	< 21.0		µg/kg dry	21.0	11.7	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.0		µg/kg dry	21.0	12.9	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.0		µg/kg dry	21.0	8.53	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.0		µg/kg dry	21.0	9.62	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.0		µg/kg dry	21.0	7.10	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 21.0		µg/kg dry	21.0	19.9	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.0		µg/kg dry	21.0	7.49	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.0		µg/kg dry	21.0	10.0	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**93.7**		%			1	SM2540 G (11) Mod.	29-Sep-17	29-Sep-17	MBR	1716687	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E41 0-6 Comp SC39791-03	2014-055	Soil	27-Sep-17 10:15	28-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.6		µg/kg dry	21.6	14.4	1	SW846 8082A	30-Sep-17	03-Oct-17	IMR	1716720	
11104-28-2	Aroclor-1221	< 21.6		µg/kg dry	21.6	12.1	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.6		µg/kg dry	21.6	13.3	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.6		µg/kg dry	21.6	8.77	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.6		µg/kg dry	21.6	9.89	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.6		µg/kg dry	21.6	7.30	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 21.6		µg/kg dry	21.6	20.4	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.6		µg/kg dry	21.6	7.71	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.6		µg/kg dry	21.6	10.3	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**89.8**		%			1	SM2540 G (11) Mod.	29-Sep-17	29-Sep-17	MBR	1716687	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E41 6-12 Comp SC39791-04	2014-055	Soil	27-Sep-17 10:16	28-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.8		µg/kg dry	21.8	14.5	1	SW846 8082A	30-Sep-17	03-Oct-17	IMR	1716720	
11104-28-2	Aroclor-1221	< 21.8		µg/kg dry	21.8	12.1	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.8		µg/kg dry	21.8	13.3	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.8		µg/kg dry	21.8	8.83	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.8		µg/kg dry	21.8	9.96	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.8		µg/kg dry	21.8	7.35	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 21.8		µg/kg dry	21.8	20.6	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.8		µg/kg dry	21.8	7.75	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.8		µg/kg dry	21.8	10.4	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**90.2**		%			1	SM2540 G (11) Mod.	29-Sep-17	29-Sep-17	MBR	1716687	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
G43 0-6 Comp SC39791-05	2014-055	Soil	27-Sep-17 10:44	28-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.7		µg/kg dry	21.7	14.5	1	SW846 8082A	30-Sep-17	03-Oct-17	IMR	1716720	
11104-28-2	Aroclor-1221	< 21.7		µg/kg dry	21.7	12.1	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.7		µg/kg dry	21.7	13.3	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.7		µg/kg dry	21.7	8.81	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.7		µg/kg dry	21.7	9.94	1	"	"	"	"	"	
11097-69-1	Aroclor-1254 [2C]	**150**		µg/kg dry	21.7	12.9	1	"	"	"	"	"	
11096-82-5	Aroclor-1260 [2C]	**160**		µg/kg dry	21.7	20.7	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.7		µg/kg dry	21.7	7.74	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.7		µg/kg dry	21.7	10.4	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**90.3**		%			1	SM2540 G (11) Mod.	29-Sep-17	29-Sep-17	MBR	1716687	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
G43 6-12 Comp SC39791-06	2014-055	Soil	27-Sep-17 10:45	28-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.8		µg/kg dry	20.8	13.9	1	SW846 8082A	30-Sep-17	03-Oct-17	IMR	1716720	
11104-28-2	Aroclor-1221	< 20.8		µg/kg dry	20.8	11.6	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 20.8		µg/kg dry	20.8	12.8	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 20.8		µg/kg dry	20.8	8.45	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 20.8		µg/kg dry	20.8	9.52	1	"	"	"	"	"	
11097-69-1	Aroclor-1254 [2C]	**171**		µg/kg dry	20.8	12.4	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	**183**		µg/kg dry	20.8	19.7	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 20.8		µg/kg dry	20.8	7.42	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 20.8		µg/kg dry	20.8	9.94	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.4**		%			1	SM2540 G (11) Mod.	29-Sep-17	29-Sep-17	MBR	1716687	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
J40 0-6 Comp SC39791-07	2014-055	Soil	27-Sep-17 11:12	28-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.5		µg/kg dry	20.5	13.6	1	SW846 8082A	30-Sep-17	03-Oct-17	IMR	1716720	
11104-28-2	Aroclor-1221	< 20.5		µg/kg dry	20.5	11.4	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 20.5		µg/kg dry	20.5	12.6	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 20.5		µg/kg dry	20.5	8.31	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 20.5		µg/kg dry	20.5	9.37	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 20.5		µg/kg dry	20.5	6.92	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 20.5		µg/kg dry	20.5	19.3	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 20.5		µg/kg dry	20.5	7.30	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 20.5		µg/kg dry	20.5	9.78	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**95.2**		%			1	SM2540 G (11) Mod.	29-Sep-17	29-Sep-17	MBR	1716687	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
J40 6-12 Comp SC39791-08	2014-055	Soil	27-Sep-17 11:13	28-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.1		µg/kg dry	21.1	14.1	1	SW846 8082A	30-Sep-17	03-Oct-17	IMR	1716720	
11104-28-2	Aroclor-1221	< 21.1		µg/kg dry	21.1	11.8	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.1		µg/kg dry	21.1	13.0	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.1		µg/kg dry	21.1	8.58	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.1		µg/kg dry	21.1	9.67	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 21.1		µg/kg dry	21.1	7.14	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 21.1		µg/kg dry	21.1	20.0	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.1		µg/kg dry	21.1	7.53	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.1		µg/kg dry	21.1	10.1	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**91.9**		%			1	SM2540 G (11) Mod.	29-Sep-17	29-Sep-17	MBR	1716687	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Wipe-5 SC39791-09	2014-055	Wipe	27-Sep-17 09:15	28-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 0.20		µg/Wipe	0.20	0.10	1	SW846 8082A	30-Sep-17	04-Oct-17	IMR	1716718	
11104-28-2	Aroclor-1221	< 0.20		µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 0.20		µg/Wipe	0.20	0.09	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 0.20		µg/Wipe	0.20	0.17	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 0.20		µg/Wipe	0.20	0.18	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 0.20		µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 0.20		µg/Wipe	0.20	0.09	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 0.20		µg/Wipe	0.20	0.12	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 0.20		µg/Wipe	0.20	0.07	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Wipe-6 SC39791-10	2014-055	Wipe	27-Sep-17 12:20	28-Sep-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 0.20		µg/Wipe	0.20	0.10	1	SW846 8082A	30-Sep-17	04-Oct-17	IMR	1716718	
11104-28-2	Aroclor-1221	< 0.20		µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 0.20		µg/Wipe	0.20	0.09	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 0.20		µg/Wipe	0.20	0.17	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 0.20		µg/Wipe	0.20	0.18	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 0.20		µg/Wipe	0.20	0.11	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 0.20		µg/Wipe	0.20	0.09	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 0.20		µg/Wipe	0.20	0.12	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 0.20		µg/Wipe	0.20	0.07	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 1716718 - SW846 3540C										
Blank (1716718-BLK1)					Prepared: 30-Sep-17 Analyzed: 04-Oct-17					
Aroclor-1016	< 0.20		µg/Wipe	0.20						
Aroclor-1016 [2C]	< 0.20		µg/Wipe	0.20						
Aroclor-1221	< 0.20		µg/Wipe	0.20						
Aroclor-1221 [2C]	< 0.20		µg/Wipe	0.20						
Aroclor-1232	< 0.20		µg/Wipe	0.20						
Aroclor-1232 [2C]	< 0.20		µg/Wipe	0.20						
Aroclor-1242	< 0.20		µg/Wipe	0.20						
Aroclor-1242 [2C]	< 0.20		µg/Wipe	0.20						
Aroclor-1248	< 0.20		µg/Wipe	0.20						
Aroclor-1248 [2C]	< 0.20		µg/Wipe	0.20						
Aroclor-1254	< 0.20		µg/Wipe	0.20						
Aroclor-1254 [2C]	< 0.20		µg/Wipe	0.20						
Aroclor-1260	< 0.20		µg/Wipe	0.20						
Aroclor-1260 [2C]	< 0.20		µg/Wipe	0.20						
Aroclor-1262	< 0.20		µg/Wipe	0.20						
Aroclor-1262 [2C]	< 0.20		µg/Wipe	0.20						
Aroclor-1268	< 0.20		µg/Wipe	0.20						
Aroclor-1268 [2C]	< 0.20		µg/Wipe	0.20						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.130*		µg/Wipe		*0.200*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.130*		µg/Wipe		*0.200*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.140*		µg/Wipe		*0.200*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.150*		µg/Wipe		*0.200*		*75*	*30-150*		
LCS (1716718-BS1)					Prepared: 30-Sep-17 Analyzed: 04-Oct-17					
Aroclor-1016	**2.22**		µg/Wipe	0.20	2.50		89	40-140		
Aroclor-1016 [2C]	**2.25**		µg/Wipe	0.20	2.50		90	40-140		
Aroclor-1260	**2.17**		µg/Wipe	0.20	2.50		87	40-140		
Aroclor-1260 [2C]	**2.28**		µg/Wipe	0.20	2.50		91	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.120*		µg/Wipe		*0.200*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.110*		µg/Wipe		*0.200*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.120*		µg/Wipe		*0.200*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.130*		µg/Wipe		*0.200*		*65*	*30-150*		
LCS Dup (1716718-BSD1)					Prepared: 30-Sep-17 Analyzed: 04-Oct-17					
Aroclor-1016	**2.26**		µg/Wipe	0.20	2.50		90	40-140	2	30
Aroclor-1016 [2C]	**2.31**		µg/Wipe	0.20	2.50		92	40-140	3	30
Aroclor-1260	**2.25**		µg/Wipe	0.20	2.50		90	40-140	4	30
Aroclor-1260 [2C]	**2.27**		µg/Wipe	0.20	2.50		91	40-140	0.4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.120*		µg/Wipe		*0.200*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.120*		µg/Wipe		*0.200*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.120*		µg/Wipe		*0.200*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.120*		µg/Wipe		*0.200*		*60*	*30-150*		
Batch 1716720 - SW846 3540C										
Blank (1716720-BLK1)					Prepared: 30-Sep-17 Analyzed: 03-Oct-17					
Aroclor-1016	< 19.4		µg/kg wet	19.4						
Aroclor-1016 [2C]	< 19.4		µg/kg wet	19.4						
Aroclor-1221	< 19.4		µg/kg wet	19.4						
Aroclor-1221 [2C]	< 19.4		µg/kg wet	19.4						
Aroclor-1232	< 19.4		µg/kg wet	19.4						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 1716720 - SW846 3540C										
Blank (1716720-BLK1)					Prepared: 30-Sep-17 Analyzed: 03-Oct-17					
Aroclor-1232 [2C]	< 19.4		µg/kg wet	19.4						
Aroclor-1242	< 19.4		µg/kg wet	19.4						
Aroclor-1242 [2C]	< 19.4		µg/kg wet	19.4						
Aroclor-1248	< 19.4		µg/kg wet	19.4						
Aroclor-1248 [2C]	< 19.4		µg/kg wet	19.4						
Aroclor-1254	< 19.4		µg/kg wet	19.4						
Aroclor-1254 [2C]	< 19.4		µg/kg wet	19.4						
Aroclor-1260	< 19.4		µg/kg wet	19.4						
Aroclor-1260 [2C]	< 19.4		µg/kg wet	19.4						
Aroclor-1262	< 19.4		µg/kg wet	19.4						
Aroclor-1262 [2C]	< 19.4		µg/kg wet	19.4						
Aroclor-1268	< 19.4		µg/kg wet	19.4						
Aroclor-1268 [2C]	< 19.4		µg/kg wet	19.4						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.71*		µg/kg wet		*19.4*		*45*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*9.68*		µg/kg wet		*19.4*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*10.7*		µg/kg wet		*19.4*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*9.68*		µg/kg wet		*19.4*		*50*	*30-150*		
LCS (1716720-BS1)					Prepared: 30-Sep-17 Analyzed: 03-Oct-17					
Aroclor-1016	**166**		µg/kg wet	19.4	242		69	40-140		
Aroclor-1016 [2C]	**186**		µg/kg wet	19.4	242		77	40-140		
Aroclor-1260	**168**		µg/kg wet	19.4	242		70	40-140		
Aroclor-1260 [2C]	**165**		µg/kg wet	19.4	242		68	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.6*		µg/kg wet		*19.4*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*10.6*		µg/kg wet		*19.4*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.6*		µg/kg wet		*19.4*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*11.6*		µg/kg wet		*19.4*		*60*	*30-150*		
LCS Dup (1716720-BSD1)					Prepared: 30-Sep-17 Analyzed: 03-Oct-17					
Aroclor-1016	**176**		µg/kg wet	19.2	240		73	40-140	5	30
Aroclor-1016 [2C]	**184**		µg/kg wet	19.2	240		76	40-140	1	30
Aroclor-1260	**168**		µg/kg wet	19.2	240		70	40-140	0.1	30
Aroclor-1260 [2C]	**168**		µg/kg wet	19.2	240		70	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.5*		µg/kg wet		*19.2*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*10.6*		µg/kg wet		*19.2*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*12.5*		µg/kg wet		*19.2*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*11.5*		µg/kg wet		*19.2*		*60*	*30-150*		

Notes and Definitions

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

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

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

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

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

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

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

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

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

Sc 39791

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: CMG ENVIRONMENTAL, INC.
67 HALL RD
STURBRIDGE MA 01566

Telephone #: 774-241-0901
Project Mgr: B. GOULD

Invoice To: SAME

P.O No.: _____ Quote #: 9228

Project No: 2014-055
Site Name: WTC
Location: WAYLAND State: MA
Sampler(s): B. GOULD, J. CLARK

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= HEXANE 12= _____

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= WIPE X2= _____ X3= _____

G= Grab C=Compsite

List Preservative Code below: 11

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? [x] Yes [ ] No
CT DPH RCP Report? [ ] Yes [ ] No
[x] Standard [ ] No QC
[ ] DQA*
[ ] ASP A* [ ] ASP B*
[ ] NJ Reduced* [ ] NJ Full*
[ ] Tier II* [ ] Tier IV*
[ ] Other: _____
State-specific reporting standards:

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCB8082 SOX	PCB8082 SX	Check if chlorinated	QA/QC Reporting Notes
39791-01	B45 0-6 Comp	9/27/17	0949	C	SO		1				X		RCS-1
-02	B45 6-12 Comp		0950				1				X		
-03	E41 0-6 Comp		1015				1				X		
-04	E41 6-12 Comp		1016				1				X		
-05	G43 0-6 Comp		1044				1				X		Collection date
-06	G43 6-12 Comp		1045				1				X		per labels-client
-07	J40 0-6 Comp		1112				1				X		notified @ 9/25/17
-08	J40 6-12 Comp		1113				1				X		
-09	WIPE-5		0915		X1	1				X			
-10	WIPE-6		1220		X1	1				X			

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	CMG [signature]	9/27/17	15:00	Observed 0.4
[signature]	[signature]	9/28/17	9:38	Correction Factor 0
[signature]	[signature]	9/28/17	1735	Corrected 0.4
				IR ID # C1

[ ] EDD format:
[x] E-mail to: bgould@cmgenv.com

Condition upon receipt: Custody Seals: [ ] Present [ ] Intact [ ] Broken
[ ] Ambient [ ] Iced [x] Refrigerated [ ] DI VOA Frozen [ ] Soil Jar Frozen

Batch Summary

1716687

General Chemistry Parameters

SC39791-01 (B45 0-6 Comp)
SC39791-02 (B45 6-12 Comp)
SC39791-03 (E41 0-6 Comp)
SC39791-04 (E41 6-12 Comp)
SC39791-05 (G43 0-6 Comp)
SC39791-06 (G43 6-12 Comp)
SC39791-07 (J40 0-6 Comp)
SC39791-08 (J40 6-12 Comp)

1716718

Semivolatile Organic Compounds by GC

1716718-BLK1
1716718-BS1
1716718-BSD1
SC39791-09 (Wipe-5)
SC39791-10 (Wipe-6)

1716720

Semivolatile Organic Compounds by GC

1716720-BLK1
1716720-BS1
1716720-BSD1
SC39791-01 (B45 0-6 Comp)
SC39791-02 (B45 6-12 Comp)
SC39791-03 (E41 0-6 Comp)
SC39791-04 (E41 6-12 Comp)
SC39791-05 (G43 0-6 Comp)
SC39791-06 (G43 6-12 Comp)
SC39791-07 (J40 0-6 Comp)
SC39791-08 (J40 6-12 Comp)

S705626

Semivolatile Organic Compounds by GC

S705626-CAL1
S705626-CAL2
S705626-CAL3
S705626-CAL4
S705626-CAL5
S705626-CAL6
S705626-CAL7
S705626-CAL8
S705626-CAL9
S705626-CALA
S705626-CALB
S705626-CALC
S705626-CALD
S705626-CALE
S705626-CALF
S705626-CALG
S705626-CALH
S705626-CALI
S705626-CALJ
S705626-CALK
S705626-CALL
S705626-CALM
S705626-CALN
S705626-CALO
S705626-CALP
S705626-CALQ
S705626-CALR
S705626-CALS
S705626-CALT
S705626-CALU
S705626-ICV1
S705626-ICV2
S705626-ICV3
S705626-ICV4
S705626-ICV5
S705626-ICV6
S705626-LCV1
S705626-LCV2
S705626-LCV3
S705626-LCV4
S705626-LCV5
S705626-LCV6

S708752

Semivolatile Organic Compounds by GC

S708752-CCV1
S708752-CCV2
S708752-CCV3
S708752-CCV4
S708752-CCV5
S708752-IBL1
S708752-IBL2
S708752-IBL3

S708767

Semivolatile Organic Compounds by GC

S708767-CCV1
S708767-CCV2
S708767-IBL1
S708767-IBL2

eurofins | Spectrum Analytical

☑ Final Report
☐ Revised Report

Report Date:
01-Dec-17 15:23

Laboratory Report
SC41739

CMG Environmental, Inc.
67 Hall Road
Sturbridge, MA 01566
Attn: Ben Gould

Project: WTC - Wayland, MA
Project #: 2014-055

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 # E87936
Maine # MA138
New Hampshire # 2972/2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00348
USDA # P330-15-00375
Vermont # VT-11393

Authorized by:

Kimberly Laplante
Quality Assurance Manager

Eurofins Spectrum Analytical holds primary certification in the State of Massachusetts for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of Massachusetts 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 40 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 Eurofins Spectrum Analytical, Inc.

Eurofins Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Spectrum Analytical, Inc. 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 Eurofins 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 (PA-68-04426).

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

Sample Summary

Work Order: SC41739

Project: WTC - Wayland, MA

Project Number: 2014-055

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC41739-01	D22-A (0-6")	Soil	22-Sep-17 10:30	20-Nov-17 15:00
SC41739-02	D22-B (0-6")	Soil	22-Sep-17 10:33	20-Nov-17 15:00
SC41739-03	D22-C (0-6")	Soil	22-Sep-17 10:35	20-Nov-17 15:00
SC41739-04	D22-D (0-6")	Soil	22-Sep-17 10:37	20-Nov-17 15:00
SC41739-05	D22-E (0-6")	Soil	22-Sep-17 10:39	20-Nov-17 15:00
SC41739-06	D22-A (6-12")	Soil	22-Sep-17 10:32	20-Nov-17 15:00
SC41739-07	D22-B (6-12")	Soil	22-Sep-17 10:34	20-Nov-17 15:00
SC41739-08	D22-C (6-12")	Soil	22-Sep-17 10:36	20-Nov-17 15:00
SC41739-09	D22-D (6-12")	Soil	22-Sep-17 10:38	20-Nov-17 15:00
SC41739-10	D22-E (6-12")	Soil	22-Sep-17 10:40	20-Nov-17 15:00
SC41739-11	G43-A (0-6")	Soil	22-Sep-17 10:34	20-Nov-17 15:00
SC41739-12	G43-B (0-6")	Soil	22-Sep-17 10:36	20-Nov-17 15:00
SC41739-13	G43-C (0-6")	Soil	22-Sep-17 10:38	20-Nov-17 15:00
SC41739-14	G43-D (0-6")	Soil	22-Sep-17 10:40	20-Nov-17 15:00
SC41739-15	G43-E (0-6")	Soil	22-Sep-17 10:42	20-Nov-17 15:00
SC41739-16	G43-A (6-12")	Soil	22-Sep-17 10:35	20-Nov-17 15:00
SC41739-17	G43-B (6-12")	Soil	22-Sep-17 10:37	20-Nov-17 15:00
SC41739-18	G43-C (6-12")	Soil	22-Sep-17 10:39	20-Nov-17 15:00
SC41739-19	G43-D (6-12")	Soil	22-Sep-17 10:41	20-Nov-17 15:00
SC41739-20	G43-E (6-12")	Soil	22-Sep-17 10:43	20-Nov-17 15:00
SC41739-21	Q67-A (6-12")	Soil	21-Sep-17 13:18	20-Nov-17 15:00
SC41739-22	Q67-B (6-12")	Soil	21-Sep-17 13:20	20-Nov-17 15:00
SC41739-23	Q67-C (6-12")	Soil	21-Sep-17 13:22	20-Nov-17 15:00
SC41739-24	Q67-D (6-12")	Soil	21-Sep-17 13:24	20-Nov-17 15:00
SC41739-25	Q67-E (6-12")	Soil	21-Sep-17 13:26	20-Nov-17 15:00

MassDEP Analytical Protocol Certification Form

Laboratory Name: Eurofins Spectrum Analytical, Inc.	**Project #:** 2014-055
Project Location: WTC - Wayland, MA	**RTN:**
This form provides certifications for the following data set:	SC41739-01 through SC41739-25
Matrices: Soil	

CAM Protocol

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	✓ 8082 PCB CAM V A	9012 Total Cyanide/PAC CAM VI A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B

Affirmative responses to questions A through F are required for Presumptive Certainty'status

A	Were all samples received in a condition consistent with those described on the Chain of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	✓ Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	✓ Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	✓ Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	✓ Yes No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to questions A through E)?	✓ Yes No

Responses to questions G, H and I below are required for Presumptive Certainty'status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	✓ Yes No

Data User Note: ***Data that achieve Presumptive Certainty'status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.***

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	✓ Yes No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	✓ Yes No

All negative responses are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Dawn E. Wojcik

Dawn E. Wojcik
Laboratory Director
Date: 12/1/2017

CASE NARRATIVE:

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

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

The samples were received 0.1 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. If method or program required MS/MSD/Dup were not performed, sufficient sample was not provided to the laboratory.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

According to WSC-CAM 5/2009 Rev.1, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended recovery range, a range has been set based on historical control limits.

Some target analytes which are not listed as exceptions in the Summary of CAM Reporting Limits may exceed the recommended RL based on sample initial volume or weight provided, % moisture content, or responsiveness of a particular analyte to purge and trap instrumentation.

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

SW846 8082A

Samples:

SC41739-01 *D22-A (0-6")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-02 *D22-B (0-6")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-03 *D22-C (0-6")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-04 *D22-D (0-6")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-05 *D22-E (0-6")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-06 *D22-A (6-12")*

SW846 8082A

Samples:

SC41739-06 *D22-A (6-12")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-07 *D22-B (6-12")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-08 *D22-C (6-12")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-09 *D22-D (6-12")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-10 *D22-E (6-12")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-11 *G43-A (0-6")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-12 *G43-B (0-6")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-13 *G43-C (0-6")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-14 *G43-D (0-6")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-15 *G43-E (0-6")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-16 *G43-A (6-12")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-17 *G43-B (6-12")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SW846 8082A

Samples:

SC41739-18 *G43-C (6-12")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-19 *G43-D (6-12")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-20 *G43-E (6-12")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-21 *Q67-A (6-12")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-22 *Q67-B (6-12")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-23 *Q67-C (6-12")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-24 *Q67-D (6-12")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

SC41739-25 *Q67-E (6-12")*

40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.

Sample Acceptance Check Form

Client:	CMG Environmental, Inc.
Project:	WTC - Wayland, MA / 2014-055
Work Order:	SC41739
Sample(s) received on:	11/20/2017

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 refrigerated 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?	☑	☐	☐

Summary of Hits

Lab ID: SC41739-11 **Client ID:** G43-A (0-6")

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254 [2C]	99.8		21.7	µg/kg	SW846 8082A
Aroclor-1260 [2C]	122		21.7	µg/kg	SW846 8082A

Lab ID: SC41739-12 **Client ID:** G43-B (0-6")

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254	165		22.3	µg/kg	SW846 8082A
Aroclor-1260	190		22.3	µg/kg	SW846 8082A

Lab ID: SC41739-13 **Client ID:** G43-C (0-6")

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254 [2C]	413		23.2	µg/kg	SW846 8082A
Aroclor-1260 [2C]	321		23.2	µg/kg	SW846 8082A

Lab ID: SC41739-14 **Client ID:** G43-D (0-6")

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254 [2C]	383		21.2	µg/kg	SW846 8082A
Aroclor-1260 [2C]	412		21.2	µg/kg	SW846 8082A

Lab ID: SC41739-15 **Client ID:** G43-E (0-6")

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254 [2C]	352		21.3	µg/kg	SW846 8082A
Aroclor-1260	576		21.3	µg/kg	SW846 8082A

Lab ID: SC41739-16 **Client ID:** G43-A (6-12")

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254	107		21.0	µg/kg	SW846 8082A

Lab ID: SC41739-17 **Client ID:** G43-B (6-12")

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254 [2C]	146		22.8	µg/kg	SW846 8082A
Aroclor-1260	158		22.8	µg/kg	SW846 8082A

Lab ID: SC41739-18 **Client ID:** G43-C (6-12")

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254	212		22.3	µg/kg	SW846 8082A
Aroclor-1260 [2C]	212		22.3	µg/kg	SW846 8082A

Lab ID: SC41739-19 **Client ID:** G43-D (6-12")

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254 [2C]	319		21.2	µg/kg	SW846 8082A
Aroclor-1260	374		21.2	µg/kg	SW846 8082A

Lab ID: SC41739-20 **Client ID:** G43-E (6-12")

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254 [2C]	379		21.1	µg/kg	SW846 8082A
Aroclor-1260 [2C]	456		21.1	µg/kg	SW846 8082A

Lab ID: SC41739-21 **Client ID:** Q67-A (6-12")

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254 [2C]	42.9		21.5	µg/kg	SW846 8082A
Aroclor-1260	35.8		21.5	µg/kg	SW846 8082A

Lab ID: SC41739-22 **Client ID:** Q67-B (6-12")

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254 [2C]	41.3		21.7	µg/kg	SW846 8082A
Aroclor-1260 [2C]	38.9		21.7	µg/kg	SW846 8082A

Lab ID: SC41739-23 **Client ID:** Q67-C (6-12")

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254 [2C]	30.0		21.6	µg/kg	SW846 8082A
Aroclor-1260	32.2		21.6	µg/kg	SW846 8082A

Lab ID: SC41739-24 **Client ID:** Q67-D (6-12")

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254	33.5		21.2	µg/kg	SW846 8082A
Aroclor-1260	25.0		21.2	µg/kg	SW846 8082A

Lab ID: SC41739-25 **Client ID:** Q67-E (6-12")

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Aroclor-1254	32.7		21.3	µg/kg	SW846 8082A
Aroclor-1260	32.4		21.3	µg/kg	SW846 8082A

Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D22-A (0-6") SC41739-01	2014-055	Soil	22-Sep-17 10:30	20-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C			PCB										
12674-11-2	Aroclor-1016	< 23.3		µg/kg dry	23.3	15.5	1	SW846 8082A	25-Nov-17	28-Nov-17	IMR	1719733	
11104-28-2	Aroclor-1221	< 23.3		µg/kg dry	23.3	13.0	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 23.3		µg/kg dry	23.3	14.3	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 23.3		µg/kg dry	23.3	9.44	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 23.3		µg/kg dry	23.3	10.6	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 23.3		µg/kg dry	23.3	7.86	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 23.3		µg/kg dry	23.3	22.0	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 23.3		µg/kg dry	23.3	8.29	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 23.3		µg/kg dry	23.3	11.1	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**83.2**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719835	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D22-B (0-6'') SC41739-02	2014-055	Soil	22-Sep-17 10:33	20-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 24.4		µg/kg dry	24.4	16.2	1	SW846 8082A	25-Nov-17	28-Nov-17	IMR	1719733	
11104-28-2	Aroclor-1221	< 24.4		µg/kg dry	24.4	13.6	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 24.4		µg/kg dry	24.4	14.9	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 24.4		µg/kg dry	24.4	9.89	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 24.4		µg/kg dry	24.4	11.2	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 24.4		µg/kg dry	24.4	8.23	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 24.4		µg/kg dry	24.4	23.0	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 24.4		µg/kg dry	24.4	8.69	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 24.4		µg/kg dry	24.4	11.6	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*40*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**79.5**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719835	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D22-C (0-6'')	2014-055	Soil	22-Sep-17 10:35	20-Nov-17
SC41739-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 23.5		µg/kg dry	23.5	15.6	1	SW846 8082A	25-Nov-17	28-Nov-17	IMR	1719733	
11104-28-2	Aroclor-1221	< 23.5		µg/kg dry	23.5	13.1	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 23.5		µg/kg dry	23.5	14.4	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 23.5		µg/kg dry	23.5	9.53	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 23.5		µg/kg dry	23.5	10.7	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 23.5		µg/kg dry	23.5	7.93	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 23.5		µg/kg dry	23.5	22.2	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 23.5		µg/kg dry	23.5	8.37	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 23.5		µg/kg dry	23.5	11.2	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**82.4**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719835	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D22-D (0-6'') SC41739-04	2014-055	Soil	22-Sep-17 10:37	20-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C			PCB										
12674-11-2	Aroclor-1016	< 22.5		µg/kg dry	22.5	15.0	1	SW846 8082A	25-Nov-17	28-Nov-17	IMR	1719733	
11104-28-2	Aroclor-1221	< 22.5		µg/kg dry	22.5	12.5	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 22.5		µg/kg dry	22.5	13.8	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 22.5		µg/kg dry	22.5	9.12	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 22.5		µg/kg dry	22.5	10.3	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 22.5		µg/kg dry	22.5	7.59	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 22.5		µg/kg dry	22.5	21.2	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 22.5		µg/kg dry	22.5	8.01	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 22.5		µg/kg dry	22.5	10.7	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**86.0**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719835	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D22-E (0-6'') SC41739-05	2014-055	Soil	22-Sep-17 10:39	20-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C			PCB										
12674-11-2	Aroclor-1016	< 24.2		µg/kg dry	24.2	16.1	1	SW846 8082A	25-Nov-17	28-Nov-17	IMR	1719733	
11104-28-2	Aroclor-1221	< 24.2		µg/kg dry	24.2	13.5	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 24.2		µg/kg dry	24.2	14.8	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 24.2		µg/kg dry	24.2	9.82	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 24.2		µg/kg dry	24.2	11.1	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 24.2		µg/kg dry	24.2	8.18	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 24.2		µg/kg dry	24.2	22.9	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 24.2		µg/kg dry	24.2	8.63	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 24.2		µg/kg dry	24.2	11.6	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**81.5**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719835	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D22-A (6-12") SC41739-06	2014-055	Soil	22-Sep-17 10:32	20-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 23.1		µg/kg dry	23.1	15.4	1	SW846 8082A	25-Nov-17	28-Nov-17	IMR	1719733	
11104-28-2	Aroclor-1221	< 23.1		µg/kg dry	23.1	12.9	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 23.1		µg/kg dry	23.1	14.2	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 23.1		µg/kg dry	23.1	9.38	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 23.1		µg/kg dry	23.1	10.6	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 23.1		µg/kg dry	23.1	7.80	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 23.1		µg/kg dry	23.1	21.8	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 23.1		µg/kg dry	23.1	8.23	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 23.1		µg/kg dry	23.1	11.0	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**84.6**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719835	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D22-B (6-12") SC41739-07	2014-055	Soil	22-Sep-17 10:34	20-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 23.7		µg/kg dry	23.7	15.8	1	SW846 8082A	25-Nov-17	28-Nov-17	IMR	1719733	
11104-28-2	Aroclor-1221	< 23.7		µg/kg dry	23.7	13.2	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 23.7		µg/kg dry	23.7	14.6	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 23.7		µg/kg dry	23.7	9.63	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 23.7		µg/kg dry	23.7	10.9	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 23.7		µg/kg dry	23.7	8.02	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 23.7		µg/kg dry	23.7	22.4	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 23.7		µg/kg dry	23.7	8.46	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 23.7		µg/kg dry	23.7	11.3	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**82.8**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719835	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D22-C (6-12") SC41739-08	2014-055	Soil	22-Sep-17 10:36	20-Nov-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C			PCB										
12674-11-2	Aroclor-1016	< 23.4		µg/kg dry	23.4	15.6	1	SW846 8082A	25-Nov-17	28-Nov-17	IMR	1719733	
11104-28-2	Aroclor-1221	< 23.4		µg/kg dry	23.4	13.1	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 23.4		µg/kg dry	23.4	14.3	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 23.4		µg/kg dry	23.4	9.49	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 23.4		µg/kg dry	23.4	10.7	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 23.4		µg/kg dry	23.4	7.90	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 23.4		µg/kg dry	23.4	22.1	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 23.4		µg/kg dry	23.4	8.34	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 23.4		µg/kg dry	23.4	11.2	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**85.1**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719836	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D22-D (6-12") SC41739-09	2014-055	Soil	22-Sep-17 10:38	20-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 22.8		µg/kg dry	22.8	15.2	1	SW846 8082A	25-Nov-17	28-Nov-17	IMR	1719733	
11104-28-2	Aroclor-1221	< 22.8		µg/kg dry	22.8	12.7	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 22.8		µg/kg dry	22.8	14.0	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 22.8		µg/kg dry	22.8	9.25	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 22.8		µg/kg dry	22.8	10.4	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 22.8		µg/kg dry	22.8	7.70	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 22.8		µg/kg dry	22.8	21.5	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 22.8		µg/kg dry	22.8	8.13	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 22.8		µg/kg dry	22.8	10.9	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**87.4**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719836	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D22-E (6-12") SC41739-10	2014-055	Soil	22-Sep-17 10:40	20-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 22.0		µg/kg dry	22.0	14.6	1	SW846 8082A	25-Nov-17	28-Nov-17	IMR	1719733	
11104-28-2	Aroclor-1221	< 22.0		µg/kg dry	22.0	12.2	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 22.0		µg/kg dry	22.0	13.5	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 22.0		µg/kg dry	22.0	8.91	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 22.0		µg/kg dry	22.0	10.0	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	< 22.0		µg/kg dry	22.0	7.41	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 22.0		µg/kg dry	22.0	20.7	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 22.0		µg/kg dry	22.0	7.82	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 22.0		µg/kg dry	22.0	10.5	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**87.8**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719836	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
G43-A (0-6") SC41739-11	2014-055	Soil	22-Sep-17 10:34	20-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C			PCB										
12674-11-2	Aroclor-1016	< 21.7		µg/kg dry	21.7	14.4	1	SW846 8082A	25-Nov-17	28-Nov-17	IMR	1719733	
11104-28-2	Aroclor-1221	< 21.7		µg/kg dry	21.7	12.1	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.7		µg/kg dry	21.7	13.3	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.7		µg/kg dry	21.7	8.81	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.7		µg/kg dry	21.7	9.93	1	"	"	"	"	"	
11097-69-1	Aroclor-1254 [2C]	**99.8**		µg/kg dry	21.7	12.9	1	"	"	"	"	"	
11096-82-5	Aroclor-1260 [2C]	**122**		µg/kg dry	21.7	20.7	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.7		µg/kg dry	21.7	7.73	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.7		µg/kg dry	21.7	10.4	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**90.9**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719836	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
G43-B (0-6'') SC41739-12	2014-055	Soil	22-Sep-17 10:36	20-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C			PCB										
12674-11-2	Aroclor-1016	< 22.3		µg/kg dry	22.3	14.8	1	SW846 8082A	25-Nov-17	28-Nov-17	IMR	1719733	
11104-28-2	Aroclor-1221	< 22.3		µg/kg dry	22.3	12.4	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 22.3		µg/kg dry	22.3	13.7	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 22.3		µg/kg dry	22.3	9.04	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 22.3		µg/kg dry	22.3	10.2	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	**165**		µg/kg dry	22.3	7.52	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	**190**		µg/kg dry	22.3	21.0	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 22.3		µg/kg dry	22.3	7.94	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 22.3		µg/kg dry	22.3	10.6	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**86.7**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719836	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
G43-C (0-6'') SC41739-13	2014-055	Soil	22-Sep-17 10:38	20-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C			PCB										
12674-11-2	Aroclor-1016	< 23.2		µg/kg dry	23.2	15.4	1	SW846 8082A	25-Nov-17	28-Nov-17	IMR	1719733	
11104-28-2	Aroclor-1221	< 23.2		µg/kg dry	23.2	12.9	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 23.2		µg/kg dry	23.2	14.2	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 23.2		µg/kg dry	23.2	9.41	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 23.2		µg/kg dry	23.2	10.6	1	"	"	"	"	"	
11097-69-1	Aroclor-1254 [2C]	**413**		µg/kg dry	23.2	13.8	1	"	"	"	"	"	
11096-82-5	Aroclor-1260 [2C]	**321**		µg/kg dry	23.2	22.1	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 23.2		µg/kg dry	23.2	8.26	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 23.2		µg/kg dry	23.2	11.1	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**86.0**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719836	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
G43-D (0-6'') SC41739-14	2014-055	Soil	22-Sep-17 10:40	20-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C			PCB										
12674-11-2	Aroclor-1016	< 21.2		µg/kg dry	21.2	14.1	1	SW846 8082A	25-Nov-17	28-Nov-17	IMR	1719733	
11104-28-2	Aroclor-1221	< 21.2		µg/kg dry	21.2	11.8	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.2		µg/kg dry	21.2	13.0	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.2		µg/kg dry	21.2	8.58	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.2		µg/kg dry	21.2	9.68	1	"	"	"	"	"	
11097-69-1	Aroclor-1254 [2C]	**383**		µg/kg dry	21.2	12.6	1	"	"	"	"	"	
11096-82-5	Aroclor-1260 [2C]	**412**		µg/kg dry	21.2	20.2	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.2		µg/kg dry	21.2	7.54	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.2		µg/kg dry	21.2	10.1	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.7**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719836	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
G43-E (0-6'') SC41739-15	2014-055	Soil	22-Sep-17 10:42	20-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C			PCB										
12674-11-2	Aroclor-1016	< 21.3		µg/kg dry	21.3	14.2	1	SW846 8082A	25-Nov-17	28-Nov-17	IMR	1719733	
11104-28-2	Aroclor-1221	< 21.3		µg/kg dry	21.3	11.9	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.3		µg/kg dry	21.3	13.1	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.3		µg/kg dry	21.3	8.64	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.3		µg/kg dry	21.3	9.74	1	"	"	"	"	"	
11097-69-1	Aroclor-1254 [2C]	**352**		µg/kg dry	21.3	12.7	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	**576**		µg/kg dry	21.3	20.1	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.3		µg/kg dry	21.3	7.59	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.3		µg/kg dry	21.3	10.2	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**93.5**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719836	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
G43-A (6-12") SC41739-16	2014-055	Soil	22-Sep-17 10:35	20-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C			PCB										
12674-11-2	Aroclor-1016	< 21.0		µg/kg dry	21.0	14.0	1	SW846 8082A	25-Nov-17	28-Nov-17	IMR	1719733	
11104-28-2	Aroclor-1221	< 21.0		µg/kg dry	21.0	11.7	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.0		µg/kg dry	21.0	12.9	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.0		µg/kg dry	21.0	8.53	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.0		µg/kg dry	21.0	9.61	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	**107**		µg/kg dry	21.0	7.10	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	< 21.0		µg/kg dry	21.0	19.8	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.0		µg/kg dry	21.0	7.49	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.0		µg/kg dry	21.0	10.0	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*140*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**91.6**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719836	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
G43-B (6-12") SC41739-17	2014-055	Soil	22-Sep-17 10:37	20-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C			PCB										
12674-11-2	Aroclor-1016	< 22.8		µg/kg dry	22.8	15.2	1	SW846 8082A	25-Nov-17	28-Nov-17	IMR	1719733	
11104-28-2	Aroclor-1221	< 22.8		µg/kg dry	22.8	12.7	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 22.8		µg/kg dry	22.8	14.0	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 22.8		µg/kg dry	22.8	9.24	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 22.8		µg/kg dry	22.8	10.4	1	"	"	"	"	"	
11097-69-1	Aroclor-1254 [2C]	**146**		µg/kg dry	22.8	13.5	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	**158**		µg/kg dry	22.8	21.5	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 22.8		µg/kg dry	22.8	8.11	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 22.8		µg/kg dry	22.8	10.9	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**86.9**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719836	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
G43-C (6-12") SC41739-18	2014-055	Soil	22-Sep-17 10:39	20-Nov-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C			PCB										
12674-11-2	Aroclor-1016	< 22.3		µg/kg dry	22.3	14.8	1	SW846 8082A	25-Nov-17	28-Nov-17	IMR	1719733	
11104-28-2	Aroclor-1221	< 22.3		µg/kg dry	22.3	12.4	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 22.3		µg/kg dry	22.3	13.7	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 22.3		µg/kg dry	22.3	9.04	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 22.3		µg/kg dry	22.3	10.2	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	**212**		µg/kg dry	22.3	7.52	1	"	"	"	"	"	
11096-82-5	Aroclor-1260 [2C]	**212**		µg/kg dry	22.3	21.3	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 22.3		µg/kg dry	22.3	7.94	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 22.3		µg/kg dry	22.3	10.6	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**89.1**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719836	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
G43-D (6-12") SC41739-19	2014-055	Soil	22-Sep-17 10:41	20-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction Prepared by method SW846 3540C			PCB										
12674-11-2	Aroclor-1016	< 21.2		µg/kg dry	21.2	14.1	1	SW846 8082A	25-Nov-17	28-Nov-17	IMR	1719733	
11104-28-2	Aroclor-1221	< 21.2		µg/kg dry	21.2	11.8	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.2		µg/kg dry	21.2	13.0	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.2		µg/kg dry	21.2	8.59	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.2		µg/kg dry	21.2	9.69	1	"	"	"	"	"	
11097-69-1	Aroclor-1254 [2C]	**319**		µg/kg dry	21.2	12.6	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	**374**		µg/kg dry	21.2	20.0	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.2		µg/kg dry	21.2	7.55	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.2		µg/kg dry	21.2	10.1	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**93.2**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719836	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
G43-E (6-12") SC41739-20	2014-055	Soil	22-Sep-17 10:43	20-Nov-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.1		µg/kg dry	21.1	14.0	1	SW846 8082A	25-Nov-17	28-Nov-17	IMR	1719733	
11104-28-2	Aroclor-1221	< 21.1		µg/kg dry	21.1	11.8	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.1		µg/kg dry	21.1	12.9	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.1		µg/kg dry	21.1	8.55	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.1		µg/kg dry	21.1	9.64	1	"	"	"	"	"	
11097-69-1	Aroclor-1254 [2C]	**379**		µg/kg dry	21.1	12.5	1	"	"	"	"	"	
11096-82-5	Aroclor-1260 [2C]	**456**		µg/kg dry	21.1	20.1	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.1		µg/kg dry	21.1	7.51	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.1		µg/kg dry	21.1	10.1	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**93.2**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719836	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Q67-A (6-12") SC41739-21	2014-055	Soil	21-Sep-17 13:18	20-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.5		µg/kg dry	21.5	14.3	1	SW846 8082A	25-Nov-17	27-Nov-17	IMR	1719734	
11104-28-2	Aroclor-1221	< 21.5		µg/kg dry	21.5	12.0	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.5		µg/kg dry	21.5	13.2	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.5		µg/kg dry	21.5	8.71	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.5		µg/kg dry	21.5	9.82	1	"	"	"	"	"	
11097-69-1	Aroclor-1254 [2C]	**42.9**		µg/kg dry	21.5	12.8	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	**35.8**		µg/kg dry	21.5	20.3	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.5		µg/kg dry	21.5	7.65	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.5		µg/kg dry	21.5	10.2	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.2**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719836	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Q67-B (6-12")	2014-055	Soil	21-Sep-17 13:20	20-Nov-17
SC41739-22				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.7		µg/kg dry	21.7	14.5	1	SW846 8082A	25-Nov-17	27-Nov-17	IMR	1719734	
11104-28-2	Aroclor-1221	< 21.7		µg/kg dry	21.7	12.1	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.7		µg/kg dry	21.7	13.3	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.7		µg/kg dry	21.7	8.82	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.7		µg/kg dry	21.7	9.94	1	"	"	"	"	"	
11097-69-1	Aroclor-1254 [2C]	**41.3**		µg/kg dry	21.7	12.9	1	"	"	"	"	"	
11096-82-5	Aroclor-1260 [2C]	**38.9**		µg/kg dry	21.7	20.7	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.7		µg/kg dry	21.7	7.74	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.7		µg/kg dry	21.7	10.4	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**91.5**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719836	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Q67-C (6-12") SC41739-23	2014-055	Soil	21-Sep-17 13:22	20-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.6		µg/kg dry	21.6	14.4	1	SW846 8082A	25-Nov-17	27-Nov-17	IMR	1719734	
11104-28-2	Aroclor-1221	< 21.6		µg/kg dry	21.6	12.1	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.6		µg/kg dry	21.6	13.3	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.6		µg/kg dry	21.6	8.77	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.6		µg/kg dry	21.6	9.89	1	"	"	"	"	"	
11097-69-1	Aroclor-1254 [2C]	**30.0**		µg/kg dry	21.6	12.9	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	**32.2**		µg/kg dry	21.6	20.4	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.6		µg/kg dry	21.6	7.71	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.6		µg/kg dry	21.6	10.3	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**89.8**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719836	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Q67-D (6-12") SC41739-24	2014-055	Soil	21-Sep-17 13:24	20-Nov-17

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.2		µg/kg dry	21.2	14.1	1	SW846 8082A	25-Nov-17	27-Nov-17	IMR	1719734	
11104-28-2	Aroclor-1221	< 21.2		µg/kg dry	21.2	11.8	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.2		µg/kg dry	21.2	13.0	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.2		µg/kg dry	21.2	8.58	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.2		µg/kg dry	21.2	9.68	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	**33.5**		µg/kg dry	21.2	7.14	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	**25.0**		µg/kg dry	21.2	20.0	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.2		µg/kg dry	21.2	7.54	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.2		µg/kg dry	21.2	10.1	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**91.3**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719836	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Q67-E (6-12") SC41739-25	2014-055	Soil	21-Sep-17 13:26	20-Nov-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls with Soxhlet Extraction			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.3		µg/kg dry	21.3	14.2	1	SW846 8082A	25-Nov-17	27-Nov-17	IMR	1719734	
11104-28-2	Aroclor-1221	< 21.3		µg/kg dry	21.3	11.9	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	< 21.3		µg/kg dry	21.3	13.1	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	< 21.3		µg/kg dry	21.3	8.65	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	< 21.3		µg/kg dry	21.3	9.76	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	**32.7**		µg/kg dry	21.3	7.20	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	**32.4**		µg/kg dry	21.3	20.1	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	< 21.3		µg/kg dry	21.3	7.60	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	< 21.3		µg/kg dry	21.3	10.2	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**92.1**		%			1	SM2540 G (11) Mod.	28-Nov-17	28-Nov-17	BD	1719836	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 1719733 - SW846 3540C										
Blank (1719733-BLK1)					Prepared: 25-Nov-17 Analyzed: 27-Nov-17					
Aroclor-1016	< 19.9		µg/kg wet	19.9						
Aroclor-1016 [2C]	< 19.9		µg/kg wet	19.9						
Aroclor-1221	< 19.9		µg/kg wet	19.9						
Aroclor-1221 [2C]	< 19.9		µg/kg wet	19.9						
Aroclor-1232	< 19.9		µg/kg wet	19.9						
Aroclor-1232 [2C]	< 19.9		µg/kg wet	19.9						
Aroclor-1242	< 19.9		µg/kg wet	19.9						
Aroclor-1242 [2C]	< 19.9		µg/kg wet	19.9						
Aroclor-1248	< 19.9		µg/kg wet	19.9						
Aroclor-1248 [2C]	< 19.9		µg/kg wet	19.9						
Aroclor-1254	< 19.9		µg/kg wet	19.9						
Aroclor-1254 [2C]	< 19.9		µg/kg wet	19.9						
Aroclor-1260	< 19.9		µg/kg wet	19.9						
Aroclor-1260 [2C]	< 19.9		µg/kg wet	19.9						
Aroclor-1262	< 19.9		µg/kg wet	19.9						
Aroclor-1262 [2C]	< 19.9		µg/kg wet	19.9						
Aroclor-1268	< 19.9		µg/kg wet	19.9						
Aroclor-1268 [2C]	< 19.9		µg/kg wet	19.9						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.97*		µg/kg wet		*19.9*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*11.0*		µg/kg wet		*19.9*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.9*		µg/kg wet		*19.9*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.9*		µg/kg wet		*19.9*		*90*	*30-150*		
LCS (1719733-BS1)					Prepared: 25-Nov-17 Analyzed: 27-Nov-17					
Aroclor-1016	**213**		µg/kg wet	19.9	249		86	40-140		
Aroclor-1016 [2C]	**208**		µg/kg wet	19.9	249		84	40-140		
Aroclor-1260	**201**		µg/kg wet	19.9	249		81	40-140		
Aroclor-1260 [2C]	**215**		µg/kg wet	19.9	249		86	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.0*		µg/kg wet		*19.9*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*12.0*		µg/kg wet		*19.9*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.9*		µg/kg wet		*19.9*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.9*		µg/kg wet		*19.9*		*95*	*30-150*		
LCS Dup (1719733-BSD1)					Prepared: 25-Nov-17 Analyzed: 27-Nov-17					
Aroclor-1016	**200**		µg/kg wet	20.0	249		80	40-140	7	30
Aroclor-1016 [2C]	**194**		µg/kg wet	20.0	249		78	40-140	7	30
Aroclor-1260	**186**		µg/kg wet	20.0	249		74	40-140	8	30
Aroclor-1260 [2C]	**191**		µg/kg wet	20.0	249		76	40-140	12	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.0*		µg/kg wet		*20.0*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*11.0*		µg/kg wet		*20.0*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Duplicate (1719733-DUP1)			**Source: SC41739-01**		Prepared: 25-Nov-17 Analyzed: 27-Nov-17					
Aroclor-1016	< 23.9		µg/kg dry	23.9		BRL				30
Aroclor-1016 [2C]	< 23.9		µg/kg dry	23.9		BRL				30
Aroclor-1221	< 23.9		µg/kg dry	23.9		BRL				30
Aroclor-1221 [2C]	< 23.9		µg/kg dry	23.9		BRL				30
Aroclor-1232	< 23.9		µg/kg dry	23.9		BRL				30
Aroclor-1232 [2C]	< 23.9		µg/kg dry	23.9		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 1719733 - SW846 3540C										
Duplicate (1719733-DUP1)			**Source: SC41739-01**		Prepared: 25-Nov-17 Analyzed: 27-Nov-17					
Aroclor-1242	< 23.9		µg/kg dry	23.9		BRL				30
Aroclor-1242 [2C]	< 23.9		µg/kg dry	23.9		BRL				30
Aroclor-1248	< 23.9		µg/kg dry	23.9		BRL				30
Aroclor-1248 [2C]	< 23.9		µg/kg dry	23.9		BRL				30
Aroclor-1254	< 23.9		µg/kg dry	23.9		BRL				30
Aroclor-1254 [2C]	< 23.9		µg/kg dry	23.9		BRL				30
Aroclor-1260	< 23.9		µg/kg dry	23.9		BRL				30
Aroclor-1260 [2C]	< 23.9		µg/kg dry	23.9		BRL				30
Aroclor-1262	< 23.9		µg/kg dry	23.9		BRL				30
Aroclor-1262 [2C]	< 23.9		µg/kg dry	23.9		BRL				30
Aroclor-1268	< 23.9		µg/kg dry	23.9		BRL				30
Aroclor-1268 [2C]	< 23.9		µg/kg dry	23.9		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.1*		µg/kg dry		*23.9*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*14.3*		µg/kg dry		*23.9*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.7*		µg/kg dry		*23.9*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.7*		µg/kg dry		*23.9*		*95*	*30-150*		
Matrix Spike (1719733-MS1)			**Source: SC41739-01**		Prepared: 25-Nov-17 Analyzed: 28-Nov-17					
Aroclor-1016	**266**		µg/kg dry	24.0	300	BRL	89	40-140		
Aroclor-1016 [2C]	**282**		µg/kg dry	24.0	300	BRL	94	40-140		
Aroclor-1260	**256**		µg/kg dry	24.0	300	BRL	86	40-140		
Aroclor-1260 [2C]	**291**		µg/kg dry	24.0	300	BRL	97	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.4*		µg/kg dry		*24.0*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*14.4*		µg/kg dry		*24.0*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.8*		µg/kg dry		*24.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.8*		µg/kg dry		*24.0*		*95*	*30-150*		
Matrix Spike Dup (1719733-MSD1)			**Source: SC41739-01**		Prepared: 25-Nov-17 Analyzed: 28-Nov-17					
Aroclor-1016	**222**		µg/kg dry	23.5	294	BRL	76	40-140	18	30
Aroclor-1016 [2C]	**254**		µg/kg dry	23.5	294	BRL	86	40-140	10	30
Aroclor-1260	**223**		µg/kg dry	23.5	294	BRL	76	40-140	14	30
Aroclor-1260 [2C]	**267**		µg/kg dry	23.5	294	BRL	91	40-140	9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*12.9*		µg/kg dry		*23.5*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*12.9*		µg/kg dry		*23.5*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.2*		µg/kg dry		*23.5*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.5*		µg/kg dry		*23.5*		*100*	*30-150*		
Batch 1719734 - SW846 3540C										
Blank (1719734-BLK1)					Prepared: 25-Nov-17 Analyzed: 27-Nov-17					
Aroclor-1016	< 19.5		µg/kg wet	19.5						
Aroclor-1016 [2C]	< 19.5		µg/kg wet	19.5						
Aroclor-1221	< 19.5		µg/kg wet	19.5						
Aroclor-1221 [2C]	< 19.5		µg/kg wet	19.5						
Aroclor-1232	< 19.5		µg/kg wet	19.5						
Aroclor-1232 [2C]	< 19.5		µg/kg wet	19.5						
Aroclor-1242	< 19.5		µg/kg wet	19.5						
Aroclor-1242 [2C]	< 19.5		µg/kg wet	19.5						
Aroclor-1248	< 19.5		µg/kg wet	19.5						
Aroclor-1248 [2C]	< 19.5		µg/kg wet	19.5						
Aroclor-1254	< 19.5		µg/kg wet	19.5						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 1719734 - SW846 3540C										
Blank (1719734-BLK1)					Prepared: 25-Nov-17 Analyzed: 27-Nov-17					
Aroclor-1254 [2C]	< 19.5		µg/kg wet	19.5						
Aroclor-1260	< 19.5		µg/kg wet	19.5						
Aroclor-1260 [2C]	< 19.5		µg/kg wet	19.5						
Aroclor-1262	< 19.5		µg/kg wet	19.5						
Aroclor-1262 [2C]	< 19.5		µg/kg wet	19.5						
Aroclor-1268	< 19.5		µg/kg wet	19.5						
Aroclor-1268 [2C]	< 19.5		µg/kg wet	19.5						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.73*		µg/kg wet		*19.5*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*10.7*		µg/kg wet		*19.5*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.4*		µg/kg wet		*19.5*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.4*		µg/kg wet		*19.5*		*105*	*30-150*		
LCS (1719734-BS1)					Prepared: 25-Nov-17 Analyzed: 27-Nov-17					
Aroclor-1016	**215**		µg/kg wet	19.6	245		88	40-140		
Aroclor-1016 [2C]	**223**		µg/kg wet	19.6	245		91	40-140		
Aroclor-1260	**213**		µg/kg wet	19.6	245		87	40-140		
Aroclor-1260 [2C]	**243**		µg/kg wet	19.6	245		99	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*12.7*		µg/kg wet		*19.6*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*12.7*		µg/kg wet		*19.6*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.5*		µg/kg wet		*19.6*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.5*		µg/kg wet		*19.6*		*115*	*30-150*		
LCS Dup (1719734-BSD1)					Prepared: 25-Nov-17 Analyzed: 27-Nov-17					
Aroclor-1016	**213**		µg/kg wet	19.5	244		87	40-140	1	30
Aroclor-1016 [2C]	**209**		µg/kg wet	19.5	244		86	40-140	7	30
Aroclor-1260	**215**		µg/kg wet	19.5	244		88	40-140	0.9	30
Aroclor-1260 [2C]	**229**		µg/kg wet	19.5	244		94	40-140	6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*12.7*		µg/kg wet		*19.5*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*11.7*		µg/kg wet		*19.5*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.4*		µg/kg wet		*19.5*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.4*		µg/kg wet		*19.5*		*115*	*30-150*		
Duplicate (1719734-DUP1)			**Source: SC41739-22**		Prepared: 25-Nov-17 Analyzed: 27-Nov-17					
Aroclor-1016	< 21.8		µg/kg dry	21.8		BRL				30
Aroclor-1016 [2C]	< 21.8		µg/kg dry	21.8		BRL				30
Aroclor-1221	< 21.8		µg/kg dry	21.8		BRL				30
Aroclor-1221 [2C]	< 21.8		µg/kg dry	21.8		BRL				30
Aroclor-1232	< 21.8		µg/kg dry	21.8		BRL				30
Aroclor-1232 [2C]	< 21.8		µg/kg dry	21.8		BRL				30
Aroclor-1242	< 21.8		µg/kg dry	21.8		BRL				30
Aroclor-1242 [2C]	< 21.8		µg/kg dry	21.8		BRL				30
Aroclor-1248	< 21.8		µg/kg dry	21.8		BRL				30
Aroclor-1248 [2C]	< 21.8		µg/kg dry	21.8		BRL				30
Aroclor-1254	**38.1**		µg/kg dry	21.8		33.0			14	30
Aroclor-1254 [2C]	**42.4**		µg/kg dry	21.8		41.3			3	30
Aroclor-1260	**42.4**		µg/kg dry	21.8		32.6			26	30
Aroclor-1260 [2C]	**40.2**		µg/kg dry	21.8		38.9			3	30
Aroclor-1262	< 21.8		µg/kg dry	21.8		BRL				30
Aroclor-1262 [2C]	< 21.8		µg/kg dry	21.8		BRL				30
Aroclor-1268	< 21.8		µg/kg dry	21.8		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 1719734 - SW846 3540C										
Duplicate (1719734-DUP1)			**Source: SC41739-22**		Prepared: 25-Nov-17 Analyzed: 27-Nov-17					
Aroclor-1268 [2C]	< 21.8		µg/kg dry	21.8		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.1*		µg/kg dry		*21.8*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*14.1*		µg/kg dry		*21.8*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.9*		µg/kg dry		*21.8*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.8*		µg/kg dry		*21.8*		*100*	*30-150*		
Matrix Spike (1719734-MS1)			**Source: SC41739-22**		Prepared: 25-Nov-17 Analyzed: 27-Nov-17					
Aroclor-1016	**243**		µg/kg dry	21.6	270	BRL	90	40-140		
Aroclor-1016 [2C]	**265**		µg/kg dry	21.6	270	BRL	98	40-140		
Aroclor-1260	**281**		µg/kg dry	21.6	270	32.6	92	40-140		
Aroclor-1260 [2C]	**321**		µg/kg dry	21.6	270	38.9	104	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.1*		µg/kg dry		*21.6*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*14.1*		µg/kg dry		*21.6*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.7*		µg/kg dry		*21.6*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*26.0*		µg/kg dry		*21.6*		*120*	*30-150*		
Matrix Spike Dup (1719734-MSD1)			**Source: SC41739-22**		Prepared: 25-Nov-17 Analyzed: 27-Nov-17					
Aroclor-1016	**231**		µg/kg dry	21.2	265	BRL	87	40-140	5	30
Aroclor-1016 [2C]	**242**		µg/kg dry	21.2	265	BRL	91	40-140	9	30
Aroclor-1260	**260**		µg/kg dry	21.2	265	32.6	86	40-140	8	30
Aroclor-1260 [2C]	**283**		µg/kg dry	21.2	265	38.9	92	40-140	12	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*12.7*		µg/kg dry		*21.2*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*12.7*		µg/kg dry		*21.2*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.3*		µg/kg dry		*21.2*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.2*		µg/kg dry		*21.2*		*100*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SM2540 G (11) Mod.										
Batch 1719836 - General Preparation										
Duplicate (1719836-DUP1)			**Source: SC41739-08**		Prepared & Analyzed: 28-Nov-17					
% Solids	**84.4**		%			85.1			0.7	5
Duplicate (1719836-DUP2)			**Source: SC41739-09**		Prepared & Analyzed: 28-Nov-17					
% Solids	**86.9**		%			87.4			0.6	5

Notes and Definitions

PCB	40 CFR part136 and SW846-8082 reference a holding time prior to extraction of one year for PCBs. Spectrum Analytical complies with CT RCP required hold times of 7-days for aqueous and 14-days for soil and/or product samples.
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.

SC 41739 . Sy

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CHAIN OF CUSTODY RECORD

Page 1 of 3

Special Handling:

☑ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: CMG Environmental, Inc.
67 Hall Road
Stoneham, MA 02180
Telephone #: 774 241 0701
Project Mgr: Ben Gould

Invoice To: ← CMG

P.O No.: _____ Quote #: RQN 9228

Project No: 2014-055
Site Name: WTC
Location: Wayland State: MA
Sampler(s): JC, GM, RC

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= Chilled 12= _____

List Preservative Code below: 11

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= _____ X2= _____ X3= _____

G= Grab C=Compsite

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: MA RGS-1
State-specific reporting standards:

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		PCBs via 8082 w/ Sulfur cleanup							Check if chlorinated	QA/QC Reporting Notes
SC 41739 01	D22-A (0-6")	9/22/17	10:30	G	SO		1				X							☐	
02	D22-B (0-6")		10:33				1				X							☐	
03	D22-C (0-6")		10:35				1				X							☐	
04	D22-D (0-6")		10:37				1				X							☐	
05	D22-E (0-6")		10:39				1				X							☐	
06	D22-A (6-12")		10:32				1				X							☐	
07	D22-B (6-12")		10:34				1				X							☐	
08	D22-C (6-12")		10:36				1				X							☐	
09	D22-D (6-12")		10:38				1				X							☐	
10	D22-E (6-12")		10:40				1				X							☐	

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	[signature] CMG refrigerator	11-20-17 / 11/17/17	910 / 16:52	Observed 0.1
[signature]	[signature]	11/20/17	1500	Correction Factor 0
				Corrected 0.1
				# of Jars 2

☐ EDD format:
☑ E-mail to: BGould@CMGenv.com

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

SC41739

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CHAIN OF CUSTODY RECORD

Page 2 of 3

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed:

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: CMG Environmental, Inc.
67 Hall Road
Sturbridge, MA 01566

Telephone #: 774 241 0801
Project Mgr: Ben Gould

Invoice To: ← CMG

P.O No.: Quote #: RQN9228

Project No: 2014-055
Site Name: WTC
Location: Wilkes State: MA
Sampler(s): JG, GM, RG

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= chilled 12=

List Preservative Code below: 11

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

G= Grab C=Composite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCBs by 8082 w/Sonicat Extraction	Check if chlorinated
SC41739-11	G43-A (0-6")	9/27/17	10:34	G	SO		1			X	☐
12	G43-B (0-6")		10:36				1			X	☐
13	G43-C (0-6")		10:38				1			X	☐
14	G43-D (0-6")		10:40				1			X	☐
15	G43-E (0-6")		10:42				1			X	☐
16	G43-A (6-12")		10:35				1			X	☐
17	G43-B (6-12")		10:37				1			X	☐
18	G43-C (6-12")		10:39				1			X	☐
19	G43-D (6-12")		10:41				1			X	☐
20	G43-E (6-12")		10:43				1			X	☐

QA/QC Reporting Notes:
* additional charges may apply

- MA DEP MCP CAM Report? [x] Yes [ ] No
- CT DPH RCP Report? [ ] Yes [ ] No
- [x] Standard [ ] No QC
- [ ] DQA*
- [ ] ASP A* [ ] ASP B*
- [ ] NJ Reduced* [ ] NJ Full*
- [ ] Tier II* [ ] Tier IV*
- [x] Other: MA RCS-1

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	11-20-17	910
	CMG refrigerator	11/17/17	16:52
[signature]	[signature]	11/20/17	1500

Temp °C: Observed 0.1; Correction Factor 0; Corrected 0.1; IR ID 2

- [ ] EDD format:
- [x] E-mail to: BGould@CMGenv.com

Condition upon receipt: Custody Seals: [ ] Present [ ] Intact [ ] Broken
[ ] Ambient [ ] Iced [x] Refrigerated [ ] DI VOA Frozen [ ] Soil Jar Frozen

SC41739 By

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CHAIN OF CUSTODY RECORD

Page 3 of 3

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed:

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: CMG Environmental, Inc.
67 Hall Road
Sturbridge, MA 01566
Telephone #: 774 241 0001
Project Mgr: Ben Gould

Invoice To: ← CMG
P.O No.: Quote #:

Project No: 2014-055
Site Name: WTC
Location: Wayland State: MA
Sampler(s): JC, GM, RG

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= Ch, Hcl 12=

List Preservative Code below: 11

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

G= Grab C=Composite

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? [x] Yes [ ] No
CT DPH RCP Report? [ ] Yes [ ] No
[x] Standard [ ] No QC
[ ] DQA*
[ ] ASP A* [ ] ASP B*
[ ] NJ Reduced* [ ] NJ Full*
[ ] Tier II* [ ] Tier IV*
[x] Other: MA RCS-1
State-specific reporting standards:

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		PCBs by 8082 w/ Sonication Extraction						Check if chlorinated
SC41739-21	Q67-A (6-12")	9/21/17	13:18	G	SO		1				*						☐
22	Q67-B (6-12")		13:20				1				*						☐
23	Q67-C (6-12")		13:22				1				*						☐
24	Q67-D (6-12")		13:24				1				*						☐
25	Q67-E (6-12")		13:26				1				*						☐
																	☐
																	☐
																	☐
																	☐
																	☐

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	11-20-17	910
	CMG refrigerator	11/17/17	16:52
[signature]	[signature]	11/20/17	1500

Temp °C: Observed 0.1; Correction Factor 0; Corrected 0.1; IR ID 2

[ ] EDD format:
[x] E-mail to: BGould@CMGenv.com

Condition upon receipt: Custody Seals: [ ] Present [ ] Intact [ ] Broken
[ ] Ambient [ ] Iced [x] Refrigerated [ ] DI VOA Frozen [ ] Soil Jar Frozen

Batch Summary

1719733

Semivolatile Organic Compounds by GC

1719733-BLK1
1719733-BS1
1719733-BSD1
1719733-DUP1
1719733-MS1
1719733-MSD1
SC41739-01 (D22-A (0-6"))
SC41739-02 (D22-B (0-6"))
SC41739-03 (D22-C (0-6"))
SC41739-04 (D22-D (0-6"))
SC41739-05 (D22-E (0-6"))
SC41739-06 (D22-A (6-12"))
SC41739-07 (D22-B (6-12"))
SC41739-08 (D22-C (6-12"))
SC41739-09 (D22-D (6-12"))
SC41739-10 (D22-E (6-12"))
SC41739-11 (G43-A (0-6"))
SC41739-12 (G43-B (0-6"))
SC41739-13 (G43-C (0-6"))
SC41739-14 (G43-D (0-6"))
SC41739-15 (G43-E (0-6"))
SC41739-16 (G43-A (6-12"))
SC41739-17 (G43-B (6-12"))
SC41739-18 (G43-C (6-12"))
SC41739-19 (G43-D (6-12"))
SC41739-20 (G43-E (6-12"))

1719734

Semivolatile Organic Compounds by GC

1719734-BLK1
1719734-BS1
1719734-BSD1
1719734-DUP1
1719734-MS1
1719734-MSD1
SC41739-21 (Q67-A (6-12"))
SC41739-22 (Q67-B (6-12"))
SC41739-23 (Q67-C (6-12"))
SC41739-24 (Q67-D (6-12"))
SC41739-25 (Q67-E (6-12"))

1719835

General Chemistry Parameters

SC41739-01 (D22-A (0-6"))
SC41739-02 (D22-B (0-6"))
SC41739-03 (D22-C (0-6"))
SC41739-04 (D22-D (0-6"))
SC41739-05 (D22-E (0-6"))
SC41739-06 (D22-A (6-12"))
SC41739-07 (D22-B (6-12"))

1719836

General Chemistry Parameters

1719836-DUP1
1719836-DUP2
SC41739-08 (D22-C (6-12"))
SC41739-09 (D22-D (6-12"))
SC41739-10 (D22-E (6-12"))
SC41739-11 (G43-A (0-6"))
SC41739-12 (G43-B (0-6"))
SC41739-13 (G43-C (0-6"))
SC41739-14 (G43-D (0-6"))
SC41739-15 (G43-E (0-6"))
SC41739-16 (G43-A (6-12"))
SC41739-17 (G43-B (6-12"))
SC41739-18 (G43-C (6-12"))
SC41739-19 (G43-D (6-12"))
SC41739-20 (G43-E (6-12"))
SC41739-21 (Q67-A (6-12"))
SC41739-22 (Q67-B (6-12"))
SC41739-23 (Q67-C (6-12"))
SC41739-24 (Q67-D (6-12"))
SC41739-25 (Q67-E (6-12"))

S710170

Semivolatile Organic Compounds by GC

S710170-CAL1
S710170-CAL2
S710170-CAL3
S710170-CAL4
S710170-CAL5
S710170-CAL6
S710170-CAL7
S710170-CAL8
S710170-CAL9
S710170-CALA
S710170-CALB
S710170-CALC
S710170-CALD
S710170-CALE
S710170-CALF
S710170-CALG
S710170-CALH
S710170-CALI
S710170-CALJ
S710170-CALK
S710170-CALL
S710170-CALM
S710170-CALN
S710170-CALO
S710170-CALP
S710170-CALQ
S710170-CALR
S710170-CALS

S710170-CALT
S710170-CALU
S710170-ICV1
S710170-ICV2
S710170-ICV3
S710170-ICV4
S710170-ICV5
S710170-ICV6
S710170-LCV1
S710170-LCV2
S710170-LCV3
S710170-LCV4
S710170-LCV5
S710170-LCV6

S710364

Semivolatile Organic Compounds by GC

S710364-CCV1
S710364-CCV2
S710364-CCV3
S710364-CCV4
S710364-IBL1
S710364-IBL2

S710453

Semivolatile Organic Compounds by GC

S710453-CCV1
S710453-CCV2
S710453-CCV3
S710453-CCV4
S710453-CCV5
S710453-IBL1
S710453-IBL2
S710453-IBL3