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SELF-IMPLEMENTING CLEANUP PLAN BRADLEY INTERNATIONAL AIRPORT TERMINAL B

Site Location

Windsor Locks, CT

Prepared For

State of Connecticut
Department of Transportation

Prepared By

TRC
Windsor, Connecticut

December 2013

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TRC Project No. 183572.4445.0720
December 2013

TRC
21 Griffin Road North
Windsor, Connecticut 06095
Telephone 860-298-9692
Facsimile 860-298-6399

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1.0 INTRODUCTION

TRC Environmental Corporation (TRC) has prepared this Self-Implementing Cleanup Plan (SIP) for use by the State of Connecticut Department of Transportation (ConnDOT) in conducting site remediation tasks prior to the demolition of Terminal B of Bradley International Airport located in Windsor Locks, Connecticut. The Site is owned by the ConnDOT. The ConnDOT will have contract oversight for the work contained in this SIP and, therefore, will be responsible for the cleanup. Correspondences of final approvals or actions should be addressed to:

Gregory Dorosh, PE
Principal Engineer
Division of Environmental Compliance
State of Connecticut
Department of Transportation
2800 Berlin Turnpike, PO Box 317546
Newington, CT 06131

The goal of Site remediation detailed in this SIP is to achieve compliance with applicable federal regulations as stated in 40 CFR §761.61(a), §761.61(c), §761.62(a), and 761.79(h). An additional goal is to achieve compliance with the applicable state regulations as stated in the Regulations of Connecticut State Agencies (RCSA) Sections 22a-133k-1 through 22a-133k-3 (Remediation Standards Regulations), inclusive, and 22a-463 through 22a-469 (PCB Statutes), inclusive. This SIP only addresses environmental issues related to PCBs and includes an outline of the approach and procedures that Contractors will follow to ensure achievement of the remedial objectives.

Specifically, the remedial goals for the Site to achieve compliance with the federal regulations are as follows:

- To remove all PCB-containing window glazings and building caulks classified as PCB Bulk Product Wastes from the building prior to demolition;
- To remove building materials potentially contaminated through contact with PCB-containing caulks and window glazings (substrates) and classified as PCB Bulk

Product Wastes (under the EPA Waste Disposal Interpretation - October 24, 2012) from the building prior to demolition;

- To remove all soil adjacent to the buildings with total PCB concentrations ≥1 ppm contaminated by releases from PCB Bulk Product Wastes and classified as PCB Remediation Wastes; and
- To perform sufficient verification sampling following the removal efforts to demonstrate compliance with the applicable federal regulations.

The remedial goals for the Site to achieve compliance with the state regulations are as follows:

- To remove all PCB-containing window glazings and building caulks with concentrations greater than 1 ppm from the building;

A remedial approach has been developed for this project to achieve compliance with the remedial goals as stated and is presented herein.

1.1 Site Description and Location

The Site consists of Terminal B at the Bradley International Airport which is located in Windsor Locks, Connecticut, see Figure 1 for a Site aerial view. Terminal B consists of four sections: Concourse A, Concourse B, International Arrivals Building (IAB) (including a portion of the Terminal A/B pedestrian connector) and the Murphy Terminal. The Terminal is built on a flat piece of land next to Terminal A and the Sheraton Hotel to the South, concrete/asphalt groundcover to the North and East and asphalt roads/parking lots to the West.

1.2 Building Construction and Renovation History

Concourse A was a 1965 addition to the North corner of the Francis S. Murphy Terminal. It was originally a single-story brick structure but since then, an extension has been added to the SW corner of the ground floor along with a full second level. There are also ten boarding ramps attached to the concourse. Other than two small mechanical rooms (only accessible from the exterior), Concourse A has no basement level. The ground floor is mainly offices while the 1st

floor is predominantly airline gates and boarding areas. The exterior of the upper level has brick walls which are covered with styrofoam insulation. Concourse A is approximately 47, 800 SF.

Concourse B was a 1965 addition to the East corner of the Francis S. Murphy Terminal. It is a single-story brick structure. There have been two boarding ramp additions to the east end of the structure with metal boarding ramps attached. Other than two small mechanical rooms (only accessible from the exterior), Concourse B has no basement level. Concourse B is a mix of offices and airplane boarding areas. There have also been extensive cosmetic renovations to the interior and building envelope. Window systems have been completely covered on the interior and exterior with sheetrock and styrofoam insulation in multiple areas. The exterior of the upper walls are covered with styrofoam insulation. Concourse B is approximately 18,000 SF.

The International Arrivals Building (IAB) was a 1971 addition to the southeast end of the Francis S. Murphy Terminal. IAB has two levels and a partial basement and was constructed of brick and concrete. There are two boarding ramps on the east side of the building. The ground floor is a mix of offices, garage bays, customs and baggage claim areas with luggage conveyor belts running above the drop ceilings throughout. The first floor consists mainly of airplane boarding areas and a long public corridor. There appear to have been only a couple additions: A few garage bays were added to the north corner and a stair tower (that connects to a boarding ramp) on the east side of the building. There is a mechanical room on the northwest end of the ground floor from which the basement area can be accessed. There have been renovations to both the interior and exterior of the building. The exterior of the 1st floor public side walls are covered with styrofoam insulation. There is also a metal canopy covering the upper & lower entry roofs. The Terminal A-B connector (a long hallway) was added after the construction of Terminal A to the south end of IAB. IAB is approximately 42,000 SF.

The Francis S. Murphy Terminal of Bradley International Airport opened in 1952 and henceforth, will be referred to as the Murphy Terminal. The Murphy Terminal has a basement (with tunnels), ground floor, 1st – 4th floors, penthouse and control tower. The Murphy Terminal is a predominantly brick structure which has undergone extensive renovations. There is a partial basement with a boiler room from which the tunnels can be accessed. Tunnels can be accessed through multiple hatches on the ground floor as well. Portions of the northwest half of the basement

appear to be an addition. The ground floor consists of three baggage claim areas, multiple offices, storage areas and bay areas. Large sections of this floor have had additions and renovations. The first floor has a long public corridor, ticketing areas, bathrooms, stores, restaurants and multiple office areas. There have been extensive interior renovations and multiple additions on the air side of the building. The second floor consists of a kitchen area, bathrooms and offices. The southeast half of the floor is currently occupied by the state police (SP) and referenced as so in the report. There have been renovations throughout the second floor. The third floor consists entirely of office space and the northwest third of the floor was an addition. The fourth floor is mostly mechanical equipment. The fan and machine room on the northwest end of the building is an addition. The penthouse and control tower each consist of a single room. The exterior walls of the basement are brick. The ground floor exterior airside walls are a combination of brick and concrete while the exterior public side walls are concrete with Styrofoam insulation (2" thick) covering them. The first floor public side exterior walls are brick with Styrofoam insulation (2" thick) covering them. The first floor airside exterior walls and all exterior walls on the 2nd floor through penthouse level are covered with a solid metal paneling that is bolted into the brick surface. A metal canopy covers the 1st floor entry roof, a portion of the 1st floor east of SP roof and some of the sidewalk on the public side of the terminal. To the exterior public side of the Murphy Terminal, there is a road on both the ground floor and first floor which runs its length. Beyond the road, there is an escalator platform in front of the main entrance with a bus waiting area on each side (ground level). On the ground level, there are a few mechanical rooms underneath the exterior road towards the northwest end of the terminal. The Murphy Terminal is approximately 123,000 SF.

1.3 Description of Planned Demolition Activities

The demolition of Terminal B is scheduled to commence in the Spring/Summer of 2014.

2.0 SAMPLING PROGRAM DESCRIPTION

Initial building surveys and sampling were performed in November & December 2012 to categorize interior and exterior caulks and glazings at the Site. Subsequent to this sampling, additional investigations were performed to determine PCB concentrations within building materials adjacent to areas with PCB Bulk Product Wastes and to characterize the extent of impacts to soil or other surface cover materials that may have been affected by flaking or deteriorating PCB Bulk Product Wastes. In addition to this sampling, additional building survey and sampling work was performed to ensure that all caulks and glazings at the site were characterized and that their locations were known with a high level of accuracy. Analytical data reports for all sampling, initial building survey and follow-on sampling programs are included in Appendix A & B.

All of the caulk and glazing analytical results are presented in Tables 1A-1D and identified PCB containing caulk and glazing are summarized in Tables 2A-2D. The sampling data for porous building materials adjacent to caulks and glazings are presented in Tables 3A-3D. Sampling data for surface cover materials which include mostly concrete and asphalt are presented in Tables 4A-4D. The list of materials to be abated along with verification sample quantities is shown in Tables 5A-5D. Figure 1 shows an aerial view of the site. Figures PCB-1 – PCB-11 shows the locations of federally and state regulated caulks/glazings. Figures PCB-1S – 12S & 2RS shows the locations for bulk material, building substrate and surface cover samples.

2.1 Bulk Product Building Material Sampling and Results

From October to December 2012 and August to October 2013, TRC surveyed Terminal B at the Site and collected caulk and glazing samples pertaining to the demolition of Terminal B. Sampling methodology generally involved collecting three (3) grab samples per homogenous material type identified, when feasible, by completely removing the caulk and the glazing from the location and inspecting to determine if there were any other materials present at the location. Some caulks and glazings were determined to be original to construction while in other areas there are

additional layers of caulk or glaze around the same frame or on the same joint which were applied during past renovations and were sampled seperately.

Building surveys were performed following techniques generally employed in the Building Sciences industry to identify, locate and sample homogeneous building materials (i.e. Asbestos Hazard Emergency Response Act [AHERA] asbestos sampling guidelines). Renovation of the Verizon room on the first floor of IAB was performed in 2004 and one (1) caulk (C9) was not analyzed for PCB's due to the 1979 federal ban on PCB use. The Terminal A-B connector (off the south end of IAB) was constructed in 1986 and three (3) caulks were also not analyzed for PCB's due to the 1979 federal ban on PCB use. All other major construction was performed prior to the federal ban on PCB use or at an undetermined date. The Environmental Protection Agency (EPA) Methods 8082/3540C (PCB analysis with soxhlet extraction) were used for analysis at a State of Connecticut approved laboratory.

Based on the laboratory analytical results for the Bulk PCB samples, building materials were grouped into one of three categories as described in the sections which follow. Sample descriptions and an analytical results summary are presented in Tables 1A-1D and a summary of all caulks and glazes with PCB concentrations ≥1 ppm are found in Tables 2A-2D.

2.1.1 PCB Bulk Product Waste

Concourse A

Of the twenty-five (25) building caulk and glazings sampled, all caulk and glazing samples with total PCB concentrations ≥50 ppm were included in this category and three (3) types of caulk (CC1, WCa & C12) met the PCB Bulk Product Waste criteria.

In various locations where PCB Bulk Product caulk has been identified, there are additional applications of State Regulated caulks and/or Unregulated caulks. Where this occurs, these State Regulated PCB and/or Unregulated caulks will also be disposed of as PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation.

Refer to Table 1A, Table 2A and Figures PCB-1 & 2 and PCB-1S, 2S & 2RS for more detailed information.

Concourse B

Of the twenty (20) building caulk and glazings sampled, all caulk and glazing samples with total PCB concentrations ≥50 ppm were included in this category and seven (7) types of caulk and glazing (CC1, C1, C4, C8, WG2, WG3, WG4) met the PCB Bulk Product Waste criteria.

In various locations where PCB Bulk Product caulk has been identified, there are additional applications of State Regulated caulks and/or Unregulated caulks. Where this occurs, these State Regulated caulks and/or Unregulated caulks will also be disposed of as PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation.

Refer to Table 1B, Table 2B and Figures PCB-3 and PCB-3S for more detailed information.

IAB

Of the nineteen (19) building caulk and glazings sampled, all caulk and glazing samples with total PCB concentrations ≥50 ppm were included in this category and four (4) types of caulk (C2, C4B, WG1, WG4) met the PCB Bulk Product Waste criteria.

In various locations where PCB Bulk Product caulk has been identified, there are additional applications of State Regulated caulks and/or Unregulated caulks. Where this occurs, these State Regulated caulks and/or Unregulated caulks will also be disposed of as PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation.

Refer to Tables 1C & 2C and Figures PCB-4 – 6 and PCB-4S - 6S for more detailed information.

Murphy Terminal

Of the fifty-six (56) building caulk and glazings sampled, all caulk and glazing samples with total PCB concentrations ≥50 ppm were included in this category and four (4) types of caulk (C23, WG4, WG12, WG16) met the PCB Bulk Product Waste criteria.

In addition to the four (4) caulks which were sampled in the Murphy Terminal and found to be a PCB Bulk Product, two (2) PCB Bulk Product caulks (WCa from Concourse A and C2 from IAB), which were sampled in a different section of Terminal B, were also found in the Murphy Terminal.

In various locations where PCB Bulk Product caulk has been identified, there are additional applications of State Regulated caulks and/or Unregulated caulks. Where this occurs, these State Regulated caulks and/or Unregulated caulks will also be disposed of as PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation.

Refer to Tables 1D & 2D and Figures PCB-7 – 11 and PCB-7S – 12S for more detailed information.

2.1.2 Excluded PCB Products/State Regulated Products

Concourse A

Building caulks and glazing were determined to be Excluded PCB/State Regulated Products if the in-situ total PCB concentration was >1 <50 ppm and if it could be determined that the caulk was original and that the total PCB concentration had not been modified by subsequent activities. Thus, out of the twenty-five (25) building caulks and glazing sampled, five (5) types of caulk or glazings (WG1, C5, C8, C9 & C10) were determined to be State Regulated Products.

When these caulks are applied alone or as a single application, they will be disposed of as a State Regulated Product in a landfill permitted to receive such wastes. In locations where a State Regulated Product has been applied over a PCB Bulk Product, the State Regulated Product will be disposed of as PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation. In locations where an Unregulated caulk has been applied over or under a State Regulated caulk, the Unregulated caulk will also be disposed of as a State Regulated Product in a landfill permitted to receive such wastes.

Refer to Table 1A, Table 2A and Figures PCB-1 & 2 and PCB-1S, 2S & 2RS for more detailed information.

Concourse B

Building caulks and glazing were determined to be Excluded PCB/State Regulated Products if the in-situ total PCB concentration was >1 <50 ppm and if it could be determined that the caulk was original and that the total PCB concentration had not been modified by subsequent activities.

Thus, out of the twenty (20) building caulk and glazings sampled, eight (8) types of caulk (C2, C3, C5, C6, C10, C11, WG1, SI1) were determined to be State Regulated Products.

When these caulks are applied alone or as a single application, they will be disposed of as a State Regulated Product in a landfill permitted to receive such wastes. In locations where a State Regulated Product has been applied over a PCB Bulk Product, the State Regulated Product will be disposed of as PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation. In locations where an Unregulated caulk has been applied over or under a State Regulated caulk, the Unregulated caulk will also be disposed of as State Regulated Product in a landfill permitted to receive such wastes.

Refer to Table 1B, Table 2B and Figures PCB-3 and PCB-3S for more detailed information.

IAB

Building caulks and glazing were determined to be Excluded PCB/State Regulated Products if the in-situ total PCB concentration was >1 <50 ppm and if it could be determined that the caulk was original and that the total PCB concentration had not been modified by subsequent activities. Thus, out of the nineteen (19) building caulk and glazings sampled, eleven (11) types of caulk and glazings (C3, C4A, C4D, C5, C6, C7, C8, WG1A, WG3, WG5, DWG2) were determined to be State Regulated Products.

When these caulks are applied alone or as a single application, they will be disposed of as a State Regulated Product in a landfill permitted to receive such wastes. In locations where a State Regulated Product has been applied over a PCB Bulk Product, the State Regulated Product will be disposed of as PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation. In locations where an Unregulated caulk has been applied over or under a State Regulated caulk, the Unregulated caulk will also be disposed of as State Regulated Product in a landfill permitted to receive such wastes.

Refer to Tables 1C & 2C and Figures PCB-4 – 6 and PCB-4S - 6S for more detailed information.

Murphy Terminal

Building caulks and glazing were determined to be Excluded PCB/State Regulated Products if the in-situ total PCB concentration was >1 <50 ppm and if it could be determined that the caulk was original and that the total PCB concentration had not been modified by subsequent activities. Thus, out of the fifty-six (56) building caulk and glazings sampled, twenty-eight (26) types of caulk and glazing (C1, C2, C3, C7, C8, C12, C13, C15, C20, C21, C25, C26, C32, C33, WG1, WG1A, WG2, WG5, WG6, WG7, WG14, DWG1, DWG4, WG5A, C36, SI1) were determined to be State Regulated Products.

In addition to the twenty-six (26) caulks and glazings which were sampled in the Murphy Terminal and found to be a State Regulated Product, two (2) State Regulated Products (C11 from Concourse B and WG1 from Concourse A), which were sampled in a different section of Terminal B, were also found in the Murphy Terminal.

When these caulks are applied alone or as a single application, they will be disposed of as a State Regulated Product in a landfill permitted to receive such wastes. In locations where a State Regulated Product has been applied over a PCB Bulk Product, the State Regulated Product will be disposed of as PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation. In locations where an Unregulated caulk has been applied over or under a State Regulated caulk, the Unregulated caulk will also be disposed of as State Regulated Product in a landfill permitted to receive such wastes.

Refer to Tables 1D & 2D and Figures PCB-7 – 11 and PCB-7S – 12S for more detailed information.

2.1.3 Excluded PCB Products/Non-Regulated PCB Products

Concourse A

Building caulks and glazing were determined to be Federally Excluded PCB Products/Non-Regulated PCB Products if the in-situ total PCB concentration was <1 ppm and if it could be determined that the caulk was original and that the total PCB concentration had not been modified by subsequent activities. Of the twenty-five (25) building caulks and glazings sampled, seventeen (17) were determined to be Excluded/Non-State Regulated Product (C1, C3, C4, C7, C11, C13,

C14, C15, C16, SC1, SC2, WG2, DWG1, DWG2, DWG3, DWG4 & DWG5).

In locations where an Excluded/Non-Regulated Product has been applied over a PCB Bulk Product, the Excluded/Non-Regulated Product will be disposed of as PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation.

In locations where an Excluded/Non-Regulated Product has been applied over a Excluded /State Regulated PCB Product, the Excluded/Non-Regulated Product will be disposed of as State Regulated Product in a landfill permitted to receive such wastes.

Refer to Table 1A and Figure PCB-1S, 2S & 2RS for more detailed information. These Excluded/Non-Regulated Products will not be discussed further.

Concourse B

Building caulks and glazing were determined to be Federally Excluded PCB Products/Non-Regulated Products if the in-situ total PCB concentration was <1 ppm and if it could be determined that the caulk was original and that the total PCB concentration had not been modified by subsequent activities. Of the twenty (20) building caulk and glazings sampled, five (5) were determined to be Excluded /Non-Regulated Product (C7-*concourse A*, C9, C12, DWG1, SI2).

In locations where an Excluded/Non-Regulated Product has been applied over a PCB Bulk Product, the Excluded/Non-Regulated Product will be disposed of as PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation.

In locations where an Excluded/Non-Regulated Product has been applied over a Excluded /State Regulated Product, the Excluded/Non-Regulated Product will be disposed of as State Regulated Product in a landfill permitted to receive such wastes.

Refer to Table 1B and Figures PCB-3S for more detailed information. These Excluded/Non-Regulated Products will not be discussed further.

IAB

Building caulks and glazing were determined to be Federally Excluded PCB Products/Non-Regulated Products if the in-situ total PCB concentration was <1 ppm and if it could be determined that the caulk was original and that the total PCB concentration had not been modified by

subsequent activities. Of the nineteen (19) building caulk and glazings sampled, four (4) were determined to be Excluded/Non-Regulated Product (C1, C4C, WG2, DWG1).

In addition to the nineteen (19) caulks which were sampled, four (4) caulks (C9, white flexible caulk, silver silicone caulk, grey tacky, flexible caulk) were not analyzed because they were determined to be added during construction after the 1979 EPA ban on the use of PCB's.

In locations where an Excluded/Non-Regulated Product has been applied over a PCB Bulk Product, the Excluded/Non-Regulated Product will be disposed of as PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation.

In locations where an Excluded/Non-Regulated Product has been applied over a Excluded /State Regulated Product, the Excluded/Non-Regulated Product will be disposed of as State Regulated Product in a landfill permitted to receive such wastes.

Refer to Table 1C and Figures PCB-4S - 6S for more detailed information. These Excluded/Non-Regulated Products will not be discussed further.

Murphy Terminal

Building caulks and glazing were determined to be Federally Excluded PCB Products/Non-Regulated Products if the in-situ total PCB concentration was <1 ppm and if it could be determined that the caulk was original and that the total PCB concentration had not been modified by subsequent activities. Of the fifty-six (56) building caulk and glazings sampled, twenty-six (26) were determined to be Excluded/Non-Regulated Product (C4, C9, C11, C14, C16, C17, C18, C22, C22A, C24, C37, C28, C29, C31, WG3, WG8, WG9, WG12A, WG13, DWG5, DWG7, C22B, C34, C35, C31A, WG10).

In locations where an Excluded/Non-Regulated Product has been applied over a PCB Bulk Product, the Excluded/Non-Regulated Product will be disposed of as PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation.

In locations where an Excluded/Non-Regulated Product has been applied over a Excluded /State Regulated Product, the Excluded/Non-Regulated Product will be disposed of as State Regulated Product in a landfill permitted to receive such wastes.

Refer to Tables 1D and Figures PCB-7S – 12S for more detailed information. These

Excluded/Non-Regulated Products will not be discussed further.

2.2 Building Material Substrate Sampling and Results

Building material substrate samples were collected in a manner that would allow for determination of the effectiveness of the proposed removal activities. Proposed removal activities include the complete removal of PCB Bulk Product Waste caulk/glaze and a portion of the adjacent building substrates (PCB Bulk Product Waste-per the October 24, 2012 EPA Waste Disposal Reinterpretation) sufficient to meet the remedial objective PCB concentration of <1.0 ppm. No substrate sampling was conducted in areas where glazing meets glass and unpainted metal as these are considered non-porous surfaces. In these cases, the entire window sash will be removed and disposed of based on the PCB concentration detected in the caulks and glazing. In addition, no substrate sampling was conducted in areas where caulk met unpainted metal/slate/marble as these are considered non-porous surfaces. In these cases, the entire metal/slate/marble components will be removed and disposed of based on the PCB concentration detected in the caulks or the caulk will be removed to visual standards consistent with NACE Standard No. 2 Near-White Blast Cleaned Surface Finish for unrestricted use, in accordance with 40 CFR 761.79, prior to disposal.

Initial representative samples of porous building material substrates were collected from July – September 2013 at a designated distance from the subject caulked seams. Samples were collected at the point of contact between porous materials and regulated building caulk. Additional samples were also collected at further distances dependent on the PCB concentration in the caulk and the type of adjacent substrate. Samples were collected following the EPA Region 1 Standard Operating Procedure for Sampling Concrete at each of the locations. Samples were extracted and analyzed using EPA Methods 3540C and 8082, respectively, and all analytical results were reported on a dry weight basis.

Based on the laboratory analytical results for the substrate samples, building materials were grouped into one of two categories as described in the section which follows.

2.2.1 PCB Bulk Product Waste

Building material substrates in contact with PCB Bulk Product Waste caulk/glaze with total PCB concentrations ≥1 ppm are considered to be PCB Bulk Product Wastes under the EPA Waste Disposal Interpretation - October 24, 2012. No evidence of re-caulking was found at any of the sample locations.

Concourse A

A total of thirteen (13) samples were collected from three locations at distances ranging from zero inches (point of contact) to thirty-six inches from the caulk line of CC1 in the adjacent porous CMU. All of these samples had results >1 ppm total PCBs; therefore, all interior CMU walls adjacent to the CC1 caulk line will be disposed of in their entirety as PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation.

A total of three (3) samples were collected from one location at distances ranging from zero inches to six inches from the caulk line of WCa in the adjacent porous CMU. All of these samples had results >1ppm total PCBs. However, these samples were taken from CMU which was impacted by CC1 so these results are not considered relevant in determining waste disposal classifications for CMU adjacent to WCa in areas where CC1 has no impact.

Concourse B

A total of sixteen (16) samples were collected from three locations at distances ranging from zero inches (point of contact) to thirty-six inches from the caulk line of CC1 in the adjacent porous CMU. All of these samples had results >1 ppm total PCBs; therefore, all interior CMU walls adjacent to the CC1 caulk line will be disposed of in their entirety as PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation.

A total of three (3) samples were collected from one location at distances ranging from zero inches (point of contact) to six inches from the caulk line of C4 in the adjacent porous concrete. The sample collected at the six inch distance was less than 1 ppm total PCBs. However, the zero and three inch samples were >1 ppm total PCBs indicating the concrete directly next to C4 out to a

distance of six inches is considered PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation. These results are also representative for the impact of C2 into adjacent porous concrete; as C4 has a greater total PCB concentration than C2.

A total of ten (10) samples were collected from five locations at a distance of zero (point of contact) and three inches from the caulk line of C4 in the adjacent porous brick. These results are also representative for the impact of C8 into adjacent porous brick; as C4 has a greater total PCB concentration than C8. The samples collected at the three inch distance were less than 1 ppm total PCBs. However, one of the zero inch samples was >1 ppm total PCBs indicating the concrete directly next to C4 out to a distance of three inches is considered PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation.

A total of six (6) samples were collected from a single location at distances ranging from zero inches (point of contact) to thirty-six inches from the caulk line of C2 in the adjacent plaster skimcoat. The results at the zero, three and six inch distance were >1ppm total PCBs. However, these samples were taken from a thin plaster skimcoat over CMU which was impacted by CC1 and the plaster samples collected were contaminated with CC1 impacted CMU. These results are not considered relevant in determining waste disposal classifications for plaster skimcoat adjacent to C2 in areas where CC1 has no impact.

A total of five (5) samples were collected from three locations at distances ranging from zero inches (point of contact) to three inches from the caulk line of C2 in the adjacent CMU. All the sample results were >1ppm total PCBs. However, these samples were taken from CMU which was impacted by CC1 so these results are not considered relevant in determining waste disposal classifications for CMU adjacent to C2 in areas where CC1 has no impact.

<u>IAB</u>

A total of thirty-four (34) samples were collected from seventeen locations at distances ranging from zero inches (point of contact) to twelve inches from the caulk line of C2 in the adjacent porous concrete. The samples collected at the three inch distance or greater were less than 1 ppm total PCBs. However, many of the zero inch samples were >1 ppm total PCBs indicating the concrete directly next to C2 out to a distance of three inches is considered PCB Bulk Product Waste

per the October 24, 2012 EPA Waste Disposal Interpretation. These results are also representative for the impact of C4B into adjacent porous concrete; as C2 has a greater total PCB concentration than C4B.

A total of twelve (12) samples were collected from three locations at distances ranging from zero inches (point of contact) to twleve inches from the caulk line of C2 in the adjacent porous concrete with small stone coat. The samples collected at the six and twelve inch distances were less than 1 ppm total PCBs. However, the zero and three inch samples were >1 ppm total PCBs indicating the concrete with small stone coat directly next to C2 out to a distance of six inches is considered PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation.

A total of eight (8) samples were collected from two locations at distances ranging from zero inches (point of contact) to twelve inches from the caulk line of C2 in the adjacent porous CMU. The samples collected at the twelve inch distance were less than 1 ppm total PCBs. However, the zero, three and six inch samples were >1 ppm total PCBs indicating the CMU directly next to C2 out to a distance of twelve inches is considered PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation.

A total of ten (10) samples were collected from four locations at distances ranging from the zero inch (point of contact) to twenty inches from the caulk line of C2 and/or C4B in the adjacent porous brick. The samples collected at the sixteen and twenty inch distance were less than 1 ppm total PCBs. However, the zero through twelve inch samples were >1 ppm total PCBs indicating the brick directly next to C2 and/or C4B out to a distance of sixteen inches is considered PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation.

A total of four (4) samples were collected from two locations at distances ranging from the zero inch (point of contact) to three inches from the caulk line of C2 in the adjacent porous grout (associated with non-porous slate/stone tile). The samples collected at the three inch distance were less than 1 ppm total PCBs. However, the zero inch samples were >1 ppm total PCBs indicating the grout (associated with non-porous slate/stone tile) directly next to C2 out to a distance of three inches is considered PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation.

Murphy Terminal

The C2 caulk from IAB was also found adjacent to porous concrete substrate in the Murphy Terminal. IAB porous concrete substrate sampling results for C2 will be used in the Murphy Terminal as well. As indicated in previous sampling, the concrete directly next to C2 out to a distance of three inches is considered PCB Bulk Product Waste per the October 24, 2012 EPA Waste Disposal Interpretation.

2.2.2 Unregulated Materials

Building material substrates in contact with either PCB Bulk Product Waste caulk/glaze or Excluded/State Regulated Products which have concentrations <1.0 ppm are considered unregulated materials.

No substrate sampling was conducted in areas where PCB Bulk Product and Excluded/State Regulated glazing or caulk meets non-porous glass, unpainted non-porous metal or non-porous slate/marble. In these cases, non-porous components will be removed and disposed of based on the PCB concentrations detected in the caulks/glazings or the caulk/glazing will be removed to visual standards consistent with NACE Standard No. 2 Near-White Blast Cleaned Surface Finish for unrestricted use, in accordance with 40 CFR 761.79, prior to disposal.

Concourse A

A total of five (5) samples were collected from two locations at distances ranging from zero inches (point of contact) to six inches from the caulk line of WCa in the adjacent porous CMU. All of these samples had results <1 ppm total PCBs. Therefore, CMU substrate adjacent to WCa is considered unregulated.

A total of four (4) samples were collected from two locations at distances ranging from zero inches (point of contact) to three inches from the caulk line of WCa in the adjacent porous concrete. All of these samples had results <1 ppm total PCBs. Therefore, concrete substrate adjacent to WCa is considered unregulated.

A total of four (4) samples were collected from two locations at distances ranging from zero

inches (point of contact) to three inches from the caulk line of WCa in the adjacent porous brick. These results are also representative for the impact of C12 into adjacent porous brick; as WCa has a greater total PCB concentration than C12. All of these samples had results <1 ppm total PCBs. Therefore, brick substrate adjacent to WCa and C12 is considered unregulated.

A total of two (2) samples were collected from one location at distances ranging from zero inches (point of contact) to three inches from the caulk line of WCa in the adjacent porous glazed block. All of these samples had results <1 ppm total PCBs. Therefore, glazed block substrate adjacent to WCa is considered unregulated.

A total of two (2) samples were collected from one location at distances ranging from zero inches (point of contact) to three inches from the caulk line of WCa in the adjacent porous grout/ceramic tile. These results are also representative for the impact of C5 into adjacent porous grout/ceramic tile; as WCa has a greater total PCB concentration than C5. All of these samples had results <1 ppm total PCBs. Therefore, grout/ceramic tile substrate adjacent to WCa is considered unregulated.

For the State Regulated caulks in contact with porous materials, three (3) samples of the porous materials were collected at the point of contact between the bulk material and the porous surface (0" samples). Two (2) samples were collected in brick substrate and one (1) sample was collected in sheetrock substrate. All three of these samples were <1.0 ppm total PCBs. Therefore, brick and sheetrock substrate adjacent to State Regulated caulks are considered unregulated. No additional verification sampling is proposed.

Concourse B

For the State Regulated caulks in contact with porous materials, thirteen (13) samples of the porous materials were collected at the point of contact between the bulk material and the porous surface (0" samples). Four (4) samples were collected in CMU substrate, three (3) samples were collected in concrete substrate, four (4) samples were collected in brick substrate and two (2) samples were collected in the sheetrock substrate. All thirteen of these samples were <1.0 ppm total PCBs. Therefore, CMU, concrete, brick and sheetrock substrate adjacent to State Regulated caulks are considered unregulated. No additional verification sampling is proposed.

IAB

For the State Regulated caulks in contact with porous materials, eleven (11) samples of the porous materials were collected at the point of contact between the bulk material and the porous surface (0" samples). Three (3) samples were collected in concrete substrate, seven (7) samples were collected in brick substrate, and one (1) sample was collected in grout substrate (associated with non-porous slate/stone tile). All eleven of these samples were <1.0 ppm total PCBs. Therefore, concrete, brick and grout substrate (associated with non-porous slate/stone tile) adjacent to State Regulated caulks are considered unregulated. No additional verification sampling is proposed.

Murphy Terminal

The WCa caulk from Concourse A was also found adjacent to porous CMU substrate in the Murphy Terminal. Concourse A porous CMU substrate sampling results for WCa will be used in the Murphy Terminal as well. As indicated in previous sampling results, CMU substrate adjacent to WCa is considered unregulated.

The WCa caulk from Concourse A was also found adjacent to porous brick substrate in the Murphy Terminal. Concourse A porous brick substrate sampling results for WCa will be used in the Murphy Terminal as well. As indicated in previous sampling results, brick substrate adjacent to WCa is considered unregulated.

For the State Regulated caulks in contact with porous materials, twenty-seven (27) samples of the porous materials were collected at the point of contact between the bulk material and the porous surface (0" samples). Six (6) samples were collected in concrete substrate, three (3) samples were collected in CMU substrate, fifteen (15) samples were collected in brick substrate, two (2) samples were collected in finished block substrate and one (1) sample was collected in asphalt substrate. All twenty-seven of these samples were <1.0 ppm total PCBs. Therefore, concrete, CMU, brick, finished block and asphalt substrate adjacent to State Regulated caulks are considered unregulated. No additional verification sampling is proposed.

2.3 Exterior Surface Cover Sampling and Results

Sampling of exterior surface cover materials directly beneath horizontal and vertical applications of PCB Bulk Product and State Regulated PCB Wastes was performed according to 40 CFR Part 761 Subpart N modified to meet the needs of this sampling program. Specifically, surface cover samples were collected a distance of 1 foot from the base of the building at 10 foot intervals (for horizontal applications) and beneath vertical applications.

All soil samples were collected as grab samples of a soil interval not to exceed 3" in depth. All asphalt and concrete samples were collected following the EPA Region 1 SOP for sampling porous materials. No compositing of grab samples was performed and grab samples were extracted and analyzed using EPA Methods 3540C and 8082, respectively, and all analytical results were reported on a dry weight basis.

The following provides details concerning the delineation of PCB-impacted surface covers at each of the areas where remediation will be required. Surface cover remediation excavation and verification sampling procedures are discussed further below.

2.3.1 PCB Remediation Wastes

Concourse A

Of the sixty-two (62) grab samples collected, eleven (11) consisted of soil surface cover, three (3) consisted of asphalt surface cover and forty-eight (48) consisted of concrete surface cover. All of these samples had results <1 ppm total PCBs. Thus, all soil, asphalt and concrete surface cover is not considered to be regulated. Analytical results for surface cover materials are summarized in Table 4A. Surface cover sample locations are shown on Figure PCB-1S.

Concourse B

Of the sixty (60) grab samples collected, eight (8) consisted of soil surface cover, fourteen (14) consisted of asphalt surface cover and thirty-eight (38) consisted of concrete surface cover. All of these samples had results <1 ppm total PCBs. Thus, all soil, asphalt and concrete surface cover is not considered to be regulated. Analytical results for surface cover

materials are summarized in Table 4B. Surface cover sample locations are shown on Figure PCB-3S.

IAB

Of the one hundred and one (101) grab samples collected, fourteen (14) consisted of grout surface cover (between non-porous slate/stone tiles), twenty-one (21) consisted of asphalt surface cover and sixty-six (66) consisted of concrete surface cover.

All of the grout samples (between non-porous slate/stone tiles) had results <1 ppm total PCBs. Thus, all grout is not considered to be regulated. Of the twenty-one (21) grab samples for asphalt collected, one sample was classified as PCB Remediation Waste, with the total PCB concentration ≥50 ppm. Of the sixty-six (66) grab samples for concrete collected, one sample was classified as PCB Remediation Waste, with the total PCB concentration ≥ 1.0 ppm and <50 ppm.

TRC did not collect any asphalt or grout samples at predetermined depths. It is anticipated that penetration into these materials will be minimal and the excavation will be performed to a maximum total depth of one foot unless verification sampling tells otherwise.

Analytical results for surface cover materials are summarized in Table 4C. Surface cover sample locations are shown on Figures PCB-4S – 5S.

Murphy Terminal

Of the thirty-one (31) grab samples collected, eleven (11) consisted of asphalt surface cover and twenty (20) consisted of concrete surface cover. All of these samples had results <1 ppm total PCBs. Thus, asphalt and concrete surface cover is not considered to be regulated. Analytical results for surface cover materials are summarized in Table 4D. Surface cover sample locations are shown on Figures PCB-7S – 9S.

3.0 REMEDIATION PROCEDURES

The goal of building material remediation efforts is to ensure that all PCB Bulk Product Waste caulk/glaze and the associated building material substrates classified as PCB Bulk Product Wastes (per the October 24, 2012 EPA Waste Disposal Reinterpretation) as well as state-regulated materials are removed from areas prior to building demolition activities. PCB Bulk Product Wastes (caulk and glazing), and building material substrates classified as PCB Bulk Product Wastes will be removed utilizing abatement work practices and engineering controls to limit the potential release of PCB dust/debris. The work will be performed by a specialty contractor utilizing workers afforded appropriate hazard communication training and under the supervision of an appropriately educated and trained third party (field inspector) who can validate appropriate removal techniques and confirm thorough removal of identified materials. All materials will be containerized and then transported offsite for appropriate disposal.

Exact means and methods for all building material removal actions cannot be specified as sufficient construction drawings are not available for the structures to be demolished. The guidelines provided below present the general procedures that are to be followed for the removal of building materials but the contractor will have to determine exact removal actions during the performance of the work.

No segregation of PCB wastes will be performed during building material abatement work and the caulks and glazings will be removed together with the affected porous building substrates at each location. For this particular project, the remedial standard for all verification samples will be total PCB concentrations <1 ppm. Achieving this remedial standard at all verification sampling locations will allow for the remaining building materials to be demolished as “clean” or to remain in place and to be repaired during subsequent renovation activities.

Surface cover remediation will also be performed during the project. Surface cover remediation procedures and subsequent verification sampling are discussed in more detail below.

3.1 Safety and Monitoring Requirements

The demolition project will be performed as described above and it is anticipated that building occupants will not be present in areas during scheduled remediation/abatement work. However, to prevent exposure of onsite workers to potentially PCB-contaminated dust, Control Areas will be established outside of the Regulated/Containment/Soil Excavation Areas. Only properly trained personnel associated with the removal, abatement, and soil excavation actions will be allowed within the Control Areas that will be established by placing barriers with signs indicating that access to the area is restricted. The field inspector will maintain the Control Areas and escort unauthorized personnel from the area promptly. Only those personnel actively working on the removal, abatement, and soil excavation actions will be allowed within the Regulated/Containment Area and they shall be equipped with Personal Protective Equipment (PPE).

For PCB-contaminated material removals, periodic dust monitoring will be performed in the Control Area immediately outside the Regulated/Containment Area prior to initiating the removal action, during performance of the action, and following the removal which will include the break-down of the Regulated/Containment Area. For PCB-contaminated material removals monitoring will be performed for total suspended particulates (TSP). The background concentration within interior Control Areas will be determined prior to initiating remedial actions and a control area background level will be established. If, during the performance of air monitoring during removals, dust levels outside the Regulated/Containment Area are observed to increase by 20-percent over the background level determined prior to the remediation, the contractor shall be instructed to stop work and to inspect and reestablish, as necessary, the Regulated/Containment Area and associated engineering controls. The Contactor shall then be required to decontaminate the Control Area outside Regulated/Containment Area if it is found that the containment or engineering controls failed or were not functioning properly.

For soil/surface cover excavation activities, the remedial contractor will be required to employ dust suppression measures, most likely watering, to prevent dust generation. It is not anticipated that OSHA limits for dust or PCB exposures will be approached. The dust

suppression will be employed to prevent the potential release of PCBs to the surrounding environment and the contractor will be directed to employ dust suppression measures if any dust generation is observed.

3.2 Engineering Control Descriptions

Engineering controls to be implemented for interior and exterior remediation will follow along similar guidelines as used when conducting asbestos abatement activities. Engineering controls for remedial work will be modeled after OSHA Class I asbestos engineering controls for interior remediation work, and modeled after exterior OSHA Class II asbestos engineering controls for exterior remediation work. A description of these activities is as follows. More detailed descriptions will be provided in specifications for the work which shall serve as the Contractor's Workplan.

3.2.1 Interior Remediation Procedures

Interior Remediation Procedures are as follows:

- It is assumed that, since the buildings will be vacated prior to demolition activities, that all moveable equipment will have been removed prior to the performance of any abatement activities and that the work space shall be free and clear of any obstructions and no materials requiring additional protection will be present.
- Any openings between the Remediation Area and the non-remediation areas, including the outside of the building, shall be sealed off with critical barriers consisting of a minimum of one (1) layer of six (6) mil polyethylene sheeting securing the edges with tape.
- A Negative Pressure Enclosure (NPE) shall be constructed around the work area by covering of floor and wall surfaces with 2 layers of 6 mil polyethylene sheeting sealed with tape. Polyethylene shall be applied alternately to floors and walls.
- The Contractor shall create a negative pressure differential in the range of 0.02 to 0.04 inches of water column between the Remediation Area and surrounding areas by

the use of acceptable HEPA-filtered negative air pressure equipment. No air movement system or air filtering equipment shall discharge unfiltered air outside the Remediation Area. The contractor shall continually monitor the pressure differential to ensure that the NPE is functioning appropriately and will stop work if the pressure differential is outside acceptable limits. Work will recommence after an acceptable pressure differential has been established.

- The contractor will maintain the NPE throughout the entire removal action and dust levels will be monitored outside the area as described above. Corrective actions as described will also be performed if monitoring indicated that is required.
- Signs shall be posted outside the enclosure to deter unauthorized personnel from entering.
- Removal work practices within the regulated containment shall be implemented which facilitate the removal of the PCB Bulk Product Waste/State Regulated Material and associated building material while also limiting the amount of dust and debris to be generated. Acceptable removal equipment will include pneumatic hammers or other similar equipment. The contractor will remove the designated amount of building material substrate around the PCB Bulk Product Waste/State Regulated Waste.
- All building materials removed during the remediation will be wrapped in poly sheeting and transported to the waste storage area. The poly sheeting will be secured with tape to ensure that no dust is released during the transport and the contractor will be responsible for the remediation of any new releases caused by spillage.
- Verification sampling will be performed as described below to determine that all building materials classified as PCB Bulk Product Wastes (per October 24, 2012 EPA Waste Disposal Reinterpretation) have been removed.

3.2.2 Exterior Remediation Procedures (With Porous Substrate Removal)

Exterior remediation procedures are as follows:

- During removal of PCB Bulk Product Wastes and associated building material, ground surfaces in the regulated area will be covered with 2 layers of 6 mil polyethylene sheeting to capture/collect any debris generated, and secured to prevent movement. The sheeting will extend a minimum of ten feet beyond the building area to be remediated.
- Any building openings such as windows, doors, vents, etc in the immediate vicinity of the exterior remediation areas will be sealed off with critical barriers consisting of a minimum of one (1) layer of six (6) mil polyethylene sheeting securing the edges with tape.
- An enclosure will be constructed around the work area by covering ground and wall surfaces with 2 layers of 6 mil polyethylene sheeting sealed with tape. Polyethylene will be applied alternately to floors and walls. If needed, a moveable enclosure may also be constructed around a platform on a boom lift or other similar device.
- The Contractor will maintain the enclosure throughout the entire removal action and dust levels will be monitored outside the area as described above. Corrective actions as described will also be performed if monitoring indicates that it is required.
- Signs will be posted outside the enclosure to deter unauthorized personnel from entering.
- Removal work practices within the regulated containment will be implemented which facilitate the removal of the PCB Bulk Product Waste/State Regulated Material and associated building material while also limiting the amount of dust and debris to be generated. Acceptable removal equipment will include pneumatic hammers or other similar equipment. If the Contractor chooses to use grinding or cutting tools without local HEPA cowled ventilation during the removal they shall be required to establish a Negative Pressure Enclosure. The contractor will remove the designated amount of building material substrate around the PCB Bulk Product Waste/State Regulated Waste.
- All building materials removed during the remediation will be wrapped in poly sheeting and transported to the waste storage area. The poly sheeting will be secured with tape to

ensure that no dust is released during the transport and the contractor will be responsible for the remediation of any new releases caused by spillage.

- Verification sampling will be performed as described below to determine that all building materials classified as PCB Bulk Product Wastes (per October 24, 2012 EPA Waste Disposal Reinterpretation) been removed.

3.2.3 Exterior Remediation Procedures (With No Porous Substrate Removal)

Exterior remediation procedures are as follows:

- During removal of PCB Bulk Product and/or State Regulated Product Waste (caulks & glazings), ground surfaces area will be covered with 2 layers of 6 mil polyethylene sheeting to capture/collect any debris generated, and secured to prevent movement. The sheeting will extend a minimum of ten feet beyond the building area to be remediated. Barrier tape will be used to delineate this as the regulated area.
- Any building openings such as windows, doors, vents, etc in the immediate vicinity of the exterior remediation areas will be sealed off with critical barriers consisting of a minimum of one (1) layer of six (6) mil polyethylene sheeting securing the edges with tape.
- Signs will be posted outside the regulated area to deter unauthorized personnel from entering.
- Removal work practices within the regulated area will be implemented which facilitate the removal of the PCB Bulk Product/State Regulated Waste and associated building material while also limiting the amount of dust and debris to be generated. Acceptable removal equipment will include hand tools, pneumatic hammers or other similar equipment. If the Contractor chooses to use grinding or cutting tools during the removal they shall be required to establish a Negative Pressure Enclosure.
- All building materials removed during the remediation will be wrapped in poly sheeting and/or six (6) mil black asbestos-like bags and transported to the waste storage area.

The poly sheeting/bags will be secured with tape to ensure that no dust is released during the transport and the contractor will be responsible for the remediation of any new releases caused by spillage.

- For PCB Bulk Product Waste, verification sampling will be performed as described below to determine that all building materials classified as PCB Bulk Product Wastes (per October 24, 2012 EPA Waste Disposal Reinterpretation) have been removed.
- For State Regulated Waste, verification sampling will not be performed as initial sampling has indicated that these caulks have not migrated into the porous building substrates.

3.2.4 Phased Remediation

In instances where PCB Bulk Product or State Regulated Product and building material cannot be removed prior to performing "clean" demolition the following procedures will be followed, except in the case of soil/surface cover remediation:

- Verification sampling, at the frequency required shall be performed prior to the removal of clean materials.
- The Contractor will be required to physically delineate PCB Bulk Product/State Regulated Wastes and building material areas, as determined by the verification sampling, on the building with paint or other suitable materials.
- Prior to initiating "clean" demolition activities, the Contractor will seal the caulks classified as PCB Bulk Product/State Regulated Waste and their associated building material as designated in the SIP so as to not create additional releases by disturbing the caulk during the demolition. This seal will consist of tape or taped/glued poly sheeting and the contractor will be required to maintain this seal until these materials are ready to be removed.
- "Clean" demolition activities will be performed to the extent of the delineation performed prior to initiating activities and then the contractor will be required to employ exterior remediation procedures as described above to remove the regulated PCB

wastes.

- Once the regulated PCB wastes have been removed to the extent indicated as being required by the delineation, the contractor will return to employing "clean" methods for demolition.

3.3 Reoccupancy Testing

In all interior containments, the entire area within containment will be HEPA vacuumed to remove dust. The project monitor will then inspect the area to determine that it is has been cleaned of all dust generated during the abatement and then collect one or two interior wipe samples from horizontal areas where dust would be expected to accumulate within each containment.

For exterior containments where PCB Bulk Product or State Regulated Waste is being removed, the entire area within containment will be HEPA vacuumed to remove dust. The project monitor will then inspect the area to determine that is has been cleaned of all dust generated during the abatement. Dust wipe samples will only be performed if there are exposed non-porous horizontal building materials that are to remain.

For areas that are being demolished, where wipe samples are representative of materials to be removed and disposed, all wipe samples will be required to be <10.0 $\mu g/100\ cm^2$. The actual number of wipe samples performed in the field will depend upon the number of containments established by the Contractor for the abatement actions.

It is anticipated that these containments will be completely enclosed with polyethylene sheeting and once a project monitor has deemed the containment "clean," the sheeting will be disposed of as PCB waste based on the concentrations of the caulk/glazings.

If any of the containment areas fail any of the cleanliness verification procedures, inspection or wipe samples, the Contractor shall be instructed to reclean the area and all inspections and testing will be performed until the area has been cleared for reoccupancy.

3.4 Verification Sampling for Building Materials (when applicable)

Approval of verification sampling for building material removals on a frequency less than that specified in Subpart O is requested for this remediation project. Based on the existing sample data and this SIP for the project, the proposed verification sampling frequency is one sample per every 100 linear feet. All verification samples from porous materials will be collected from ½" depths following the EPA Region 1 Standard Operating Procedure which is included in Appendix C. Tables 5A-5D list the areas where building material samples will be collected and the estimated number of verification samples to be collected.

Additional details as to sampling protocols are as follows:

- At locations where PCB Bulk Product Wastes are bordered on either side by porous materials (e.g. concrete, brick) both sides of the removal action will be treated in the calculation of linear feet for verification sampling. If at all possible, verification samples on either side of the caulked joint will be staggered so as to "spread" the location of the verification samples.
- The removal action will include all porous building materials adjacent to the caulked joint. Thus if porous materials are found behind the PCB Bulk Product Waste (caulk) they will also be removed to the specified depth and the space behind will also be included separately in the calculation of linear feet for verification sampling.
- "Backing" material may be present behind the building caulks. Any backing material adjacent to the PCB containing caulk and in contact/coated with a porous surface will be removed and disposed with the caulk.
- In the cases where air spaces exist behind PCB Bulk Product Waste (caulk), no building materials will be removed beyond the limit of the air space.
- No verification samples will be collected when materials classified as State Regulated Wastes are removed.

The oversight contractor will collect verification samples at the approved frequency and will be responsible for verifying that sufficient samples have been collected and that the remedial goal has been achieved prior to initiation of "clean" demolition activities. Clean demolition

activities will commence after the oversight contractor has determined that remedial requirements have been achieved. In the case where verification samples do not achieve the remedial goal, the oversight contractor will instruct the remedial contractor to reestablish the appropriate controls and regulated area and to continue the removal of building materials using the removal procedures as stated above.

3.5 Surface Cover Remediation

Each of the designated surface cover remediation areas is relatively easy to access and there will be no restrictions on the type of equipment employed. An excavator or other similar type of equipment will be used to remove surface cover, 5 feet away from foundation to a depth of 1 foot, which will be live loaded into lined rolloff containers or dump trailers for transport to the appropriate disposal facility. Verification samples will be collected as per Subpart O following excavation and analyzed in the same manner as previously collected characterization sampling. Any composite samples generated will be from contiguous sample locations on the 5 foot by 5 foot Subpart O sampling grid. Surface cover samples collected from the base and sidewalls of the excavations will consist of asphalt, soil and concrete. Where contaminated surface cover is in contact with concrete or asphalt to remain, samples of these materials will be collected following the EPA Region 1 SOP for sampling concrete to a depth of ½". If samples are composited, they will consist of equal mass aliquots from contiguous sample locations of the same matrix (e.g., soil samples will only be composited with other soil samples).

All sample compositing activities will be logged such that the date of compositing and the grab samples in the composite is recorded in a permanent manner. All grab samples will be maintained for potential submittal to the analytical laboratory if required.

Surface cover excavations will be backfilled with certified clean soil meeting the CTDEEP Remediation Standards Regulations (RSRs) for the Residential Direct Exposure Criteria (RDEC) and Groundwater Classification A (GA) Pollutant Mobility Criteria (PMC).

3.6 Waste Characterization, Transport, and Disposal

Wastes will be precharacterized to the satisfaction of the selected disposal facility prior to initiating any remedial activities. All wastes generated during building remediation activities will be shipped for disposal as PCB Bulk Product Waste, per the October 24, 2012 EPA Waste Disposal Interpretation, to a Solid Waste Landfill permitted under RCRA Title D and no attempt will be made to segregate the removed material.

All wastes generated during surface cover remediation activities will be shipped for disposal as PCB Remediation Wastes at a concentration less than 50 ppm or as PCB Remediation Wastes at a concentration greater than 50 ppm, as applicable, at a facility permitted to receive such waste.

3.7 Equipment Decontamination

All moveable equipment, tools, and sampling equipment which has contacted PCB Bulk Product, State Regulated Waste or Remediation Waste will be decontaminated prior to leaving the site. Decontamination procedures will comply with either §761.79(b)(3)(i)(A), §761.79(b)(3)(ii)(A) or §761.79(c)(2).

All decontamination wastes, PPE, and polyethylene that come in contact with PCB Bulk Product or Remediation Wastes will be disposed of as PCB Wastes with concentrations greater than 50 ppm. These wastes will be segregated as to matrix, aqueous, non-aqueous liquids, or solid materials (e.g., PPE), and stored in drums or lined containers prior to transport from the site for disposal.

All decontamination wastes, PPE, and polyethylene that come in contact with State Regulated Wastes will be disposed of as PCB Wastes with concentrations less than 50 ppm and greater than 1ppm. These wastes will be segregated as to matrix, aqueous, non-aqueous liquids, or solid materials (e.g., PPE), and stored in drums or lined containers prior to transport from the site for disposal.

Aqueous and non-aqueous liquids will be tested for PCB content and shipped offsite for disposal at permitted facility to receive such wastes. Solid Wastes will be containerized with the

other regulated PCB wastes generated during the remediation project for transport and disposal.

3.8 Notification and Certification

The removal and abatement measures described within this SIP will be initiated after receiving written approval of the plan from EPA. Notification of intent to perform these remedial measures is provided to EPA with this submittal and will also be provided to the CTDEEP.

Also enclosed with this submittal in Appendix D, in accordance with EPA 40 CFR 761.61(a)(3), is a written certification from ConnDOT indicating the location of all reports detailing sample collection and analysis procedures used to assess or characterize the PCB contamination for this SIP are available for EPA inspection.

4.0 DOCUMENTATION

Documentation of the field activities will be performed on a daily basis by the contractor and remediation monitor during the performance of the remediation and will be summarized at the conclusion of the remediation in a Remedial Action Report (RAR).

4.1 Field Notes

The field inspector will maintain a daily log of on-site activities. That log will include, but not be limited to the following:

- Daily health and safety meetings
- Personnel and equipment on site
- Field procedures and observations
- Remediation progress and extents
- Sample locations, selection criteria, samples collected, analyses performed, sample handling
- Telephone or other instructions
- Equipment decontamination
- Building structure substrate/surface cover verification testing
- Waste transporter information

4.2 Photographs

Photographs will be taken of representative activities, such as remediation, sample locations, and surface cover excavation. The final extents of the remediation/excavations will also be photographed. Copies of selected photographs will be included in the RAR.

4.3 Survey

The horizontal extents of the surface cover excavations will be documented by reference to existing fixed site features such as buildings or fence lines. Vertical extents will be measured from the surrounding ground surface. The RAR will include documentation of the extent and depth of the surface cover excavation.

4.4 Transport and Treatment/Disposal Certifications

Manifests and/or Bills of Lading for the transportation, treatment and disposal of waste materials and certifications of the treatment or disposal of the wastes, if necessary, will be obtained from the transporter and from the treatment/disposal facility. Copies of these forms will be included in the RAR.

4.5 Report

The RAR will be prepared upon receipt of all analytical data confirming that the removal action was complete and receipt of certifications of treatment/disposal from the treatment/disposal facility. The RAR will include the following.

- Site description
- A description of field procedures
- Verification sample locations and analytical results
- A photographic record of the remediation, excavations and backfilling
- Figures showing the extent of excavations and restoration
- Waste characterization sample data
- Waste transport and treatment disposal information
- Copies of waste manifests and bills of lading

4.6 Recordkeeping

All records and documents required by 40 CFR Part 761, including all those records required under Subpart K, will be prepared for and maintained by the ConnDOT. The records shall be maintained in a centralized location for a minimum of three years and will be available for inspection by representatives of EPA if required.

TABLES

TABLE 1A BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT - TERMINAL B CONCOURSE A WINDSOR LOCKS, CONNECTICUT				
Sample No.	**Homogenous Material Type**	**Sample Location**	**Total PCB (ppm)**	**EPA/CTDEEP Regulated**
Concourse A				
1A	C3 - Grey Flexible Caulk	1st floor-Gate B3	BRL<1.00	No
1B		1st floor – BSX Gate B1	BRL<.840	
1C		1st floor – AAL Gate B5	BRL<.357	
2A	C1 - Grey Flexible Sticky Caulk	1st floor - BSX Gate B1	BRL<.196	No
2B		1st floor - Gate B3	BRL<.163	
2C		1st floor - Gate B3	BRL<.186	
3A	C4 - Tan Caulk Around Sink Counter Top♦	1st floor – women's 2	BRL<.194	No
3B		1st floor – women's 2	BRL<.197	
3C		1st floor – men's 2	BRL<.173	
4A	WG1 - Interior Grey Pliable Glaze on 4x4 Windows	1st floor – security lobby (hall)	BRL<.385	Yes - CTDEEP
4B		Exterior – west side	**1.88**	
4C		Exterior – east side	BRL<.183	
5A	WG2- Gray Pliable Glaze on Interior Windows♦ (1 window)	Ground floor – room 97	BRL<.188	No
5B			BRL<.192	
6A	CC1- Grey Pliable Caulk on Columns♦ *(Previously classified as C6)*	Ground floor – room 94	**2,428**	Yes - EPA
6B		Ground floor –hall outside room 102	**17,960**	
3		Room 111A	**3,090**	
4		Room G10	**974**	
7A	DWG1- Black Putty Window Glaze on 1x1 door Window♦ (3 doors)	Ground floor – middle stairwell	**BRL<1.99***	No
7B		1st floor – middle stairwell	**BRL<1.01***	
1-DWG1 (9/23/13)		Ground floor – middle stairwell	BRL<.122	
2-DWG1 (9/23/13)		Ground floor – middle stairwell	BRL<.135	
8A	C5- Black Pliable Caulk on ceramic Wall Tile♦	Ground floor – janitor's closet	**3.64**	Yes - CTDEEP
8B			**3.52**	

BRL< = Below Reportable Detection Limit
PCB ≥ 50 ppm = EPA PCB Bulk Product Waste
PCB >1 ppm but <50 ppm = CTDEEP regulated

♦Asbestos containing material (>1%)
*Additional samples were collected due to elevated detection limits that were >1 PPM

TABLE 1A BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT - TERMINAL B CONCOURSE A WINDSOR LOCKS, CONNECTICUT				
Sample No.	**Homogenous Material Type**	**Sample Location**	**Total PCB (ppm)**	**EPA/CTDEEP Regulated**
9A	DWG2- White Semi-Putty on 2x3 Door Window	Ground floor-boarding ramp B5	BRL<.198	No
9B		Ground floor-boarding ramp B5	BRL<.186	
9C		Ground floor-boarding ramp B10	.291	
10A	SC1-silver silicone caulk	1st floor - bridge area	.391	No
10B		1st floor - bridge area	.329	
10C		1st floor - bridge area	.457	
11A	SC2-tan silicone caulk	1st floor - bridge area	.384	No
11B	SC2-tan silicone caulk	1st floor - bridge area	.334	No
11C		1st floor - bridge area	.504	
12A	DWG3- black putty glaze on 2' x 3' door window♦ (2 doors)	Ground floor – room 113	**BRL<1.97***	No
12B		Ground floor – room 113	**BRL<1.92***	
3-DWG3 (9/23/13)		Ground floor – room 113	**BRL**<.108	
13A	WCa– beige pliable caulk♦	Ground floor - bridge area	**84.5**	Yes - EPA
13B		Ground floor - bridge area	**102**	
13C		Ground floor - bridge area	**133**	
6C	WCa♦ *(samples from areas where caulk was previously classified as C6)*	Ground floor –room 115A	**46.35**	
1		Ground floor –hall entrance next to room 111A	**6.23**	
2		Ground floor – room G10	**291**	
14A	C7 - white flexible caulk	Exterior – NE overhang	BRL<.392	No
14B		Exterior – NE overhang	BRL<.388	
14C		Exterior – NW overhang	BRL<.898	
15A	C8 - Dark gray crumbly soft daub under 4" metal windowsill♦	Exterior – SE	**1.22**	Yes - CTDEEP
15B		Exterior – SE	**.899**	
15C		Exterior – East central	**1.23**	

BRL< = Below Reportable Detection Limit
PCB ≥ 50 ppm = EPA PCB Bulk Product Waste
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♦Asbestos containing material (>1%)
*Additional samples were collected due to elevated detection limits that were >1 PPM

TABLE 1A BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT - TERMINAL B CONCOURSE A WINDSOR LOCKS, CONNECTICUT				
Sample No.	**Homogenous Material Type**	**Sample Location**	**Total PCB (ppm)**	**EPA/CTDEEP Regulated**
16A	C9 - Light grey, hard flexible caulk	Exterior – NE	**8.60**	Yes - CTDEEP
16B		Exterior – NE	.685	
16C		Exterior - East	.760	
17A	C10 - Silver brittle crumbly caulk♦ *(inseparable from C9)*	Exterior – east side south	**1.81**	Yes - CTDEEP
17B		Exterior - east side north	.447	
17C		Exterior – west side north	.511	
18A	C11 - White brittle caulk ♦ *(inseparable from silicone caulk)*(14 LF)	Exterior – east side south	.241	No
19A	C12 - grey hard layered brittle caulk♦	Exterior – east side south	**57.0**	Yes - EPA
19B	C12 - grey hard layered brittle caulk♦	Exterior – bridge area east	**20.1**	
19C			**39.6**	
20A	C13 - light grey sticky caulk (powdery surface)	Exterior – east side north	BRL<.394	No
20B	C13 - light grey sticky caulk (powdery surface)	Exterior – NW side	.406	No
20C		Exterior - SW	BRL<.944	
21A	DWG4 – grey putty door window glaze (2 doors)	Exterior – west side north	BRL<.183	No
23A	C14 - light grey flexible stretchy caulk on vents (20 LF)	Upper roof - vent	BRL<.671	No
24A	C15 - black flexible caulk on parapet seams (28 LF)	Upper roof – parapet wall	BRL<.394	No
24B			BRL<.171	
25A	C16 - grey flexible somewhat crumbly caulk *(inseparable from clear silicone caulk)* (55 LF)	Lower roof – flashing edge/wall	BRL<.166	No
25B			BRL<.146	
4-DWG5 (9/26/13)	DWG5 – hard grey door window glaze (4 doors)	Ramp B6	BRL<.155	No

BRL< = Below Reportable Detection Limit
PCB ≥ 50 ppm = EPA PCB Bulk Product Waste
PCB >1 ppm but <50 ppm = CTDEEP regulated

♦Asbestos containing material (>1%)
*Additional samples were collected due to elevated detection limits that were >1 PPM

TABLE 1B BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT - TERMINAL B CONCOURSE B WINDSOR LOCKS, CONNECTICUT				
Sample No.	**Homogenous Material Type**	**Sample Location**	**Total PCB (ppm)**	**EPA/CTDEEP Regulated**
Concourse B				
1A	C1 - beige pliable interior door caulk♦	Room 147	**155.1**	Yes - EPA
1B			**174.3**	
2A	C2 - interior tan putty-like window caulk♦	Exterior – west bridge area - joint	**5.52**	Yes – CTDEEP
2B		Exterior – west bridge area - vent	**5.87**	
2C		Exterior – east – above lentil	**16.0**	
3A	C3 - white flexible caulk	B20 boarding ramp	**3.73**	Yes – CTDEEP
3B		Room 130	**1.67**	
3C		Room 124B	**25.6**	
4A	C4 - grey hard surface semi-flexible caulk♦ *(some C5 mixed in samples)*	Exterior – SW	**160**	Yes - EPA
4B			**272**	
4C			**290**	
5A	C5 - brittle silver caulk (white flakes visible)♦	Exterior – SW @ door	**4.07**	Yes – CTDEEP
5B			**5.07**	
5C			**3.55**	
6A	C6 - Dark gray crumbly soft (daub) caulk under 4" metal window sill♦	Exterior - SW	**5.13**	Yes – CTDEEP
6B			**1.21**	
6C		Exterior - East	**1.17**	
7A	C7 - light gray flexible w/lighter powdery surface (on exterior surfacing material) *(homogeneous to Concourse A C7)*	Exterior - SW	BRL<.514	No
8A	C8 - Dark gray hard (slight flex) caulk (around old marble lower window panes)	Exterior – north end	**10.1**	Yes – EPA
8B			**17.1**	
8C		Exterior - west	**117**	
9A	C9 - white semi-flexible caulk	Exterior – B17boarding ramp	BRL<.195	No
9B			BRL<.194	
9C			BRL<.826	

BRL< = Below Reportable Detection Limit
PCB ≥ 50 ppm = EPA PCB Bulk Product Waste
PCB >1 ppm but <50 ppm = CTDEEP regulated

♦Asbestos containing material (>1%)
*Additional samples were collected due to elevated detection limits that were >1 PPM

TABLE 1B
BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING MATERIALS
BRADLEY INTERNATIONAL AIRPORT - TERMINAL B
CONCOURSE B
WINDSOR LOCKS, CONNECTICUT

Sample No.	Homogenous Material Type	Sample Location	Total PCB (ppm)	EPA/CTDEEP Regulated
10A	C10 - light grey very flexible (powder snap) caulk	TWA hold room	**5.48**	Yes - CTDEEP
10B		TWA hold room	**11.8**	
10C		Exterior – north end	.735	
11A	C11 - light flex caulk on ground concrete slab seams	Exterior – SE corner	**1.73**	Yes - CTDEEP
11B			**2.00**	
11C		Exterior – SE corner	**1.04**	Yes - CTDEEP
12A	C12 – grey tacky flexible caulk (30 LF)	B20 boarding ramp – storage 1	BRL<.717	No
12B			BRL<.870	
13A	WG1 - interior and exterior gray brittle window glaze♦	Interior/exterior room 130	**1.68**	Yes - CTDEEP
13B			.704	
13C		Interior/exterior room 123E	**2.98**	
14A	WG2 - black flex-putty glaze on new windows♦	TWA holdroom - west	**57.1**	Yes - EPA
14B		TWA holdroom - west	**51.4**	
15A	WG3 - white outer/gray inner window glaze *(inseparable from WG4)*	Exterior – SW	**10,800**	Yes - EPA
15B			**11,700**	
15C		Exterior – north end	**9,840**	
16A	WG4 - dark gray (slight silverish) glaze on windows	Exterior – north end	**3,210**	Yes - EPA
16B			**11,800**	
16C		B20 boarding ramp	**21,500**	
17A	DWG1 - Black stretchy door window glaze *(1 door)*	Exterior – B20 boarding ramp	**BRL<1.92***	No
1-DWG1 (9/27/13)			BRL<.376	
SI1A	SI1 – clear silicone caulk/glaze (over C2&WG1)	Room 126 (over WG1)	**6.77**	Yes - CTDEEP
SI1B		Bridge (over C2)	**6.66**	
SI1C		Exterior – SW (over WG1)	.593	
SI2A	SI2 – silver silicone glaze (20 LF)	Exterior - west	.673	No
1	CC1-grey pliable caulk on metal columns♦	TWA Hold room - north	**3,620**	Yes - EPA
2		TWA Hold room - east	**2,590**	
3		Room 147A	**3,715**	

BRL< = Below Reportable Detection Limit
PCB ≥ 50 ppm = EPA PCB Bulk Product Waste
PCB >1 ppm but <50 ppm = CTDEEP regulated

♦Asbestos containing material (>1%)
*Additional samples were collected due to elevated detection limits that were >1 PPM

TABLE 1C BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT - TERMINAL B IAB WINDSOR LOCKS, CONNECTICUT				
Sample No.	**Homogenous Material Type**	**Sample Location**	**Total PCB (ppm)**	**EPA/CTDEEP Regulated**
IAB				
1A	C1-black flexible caulk	Exterior of bay 2A/2B	**BRL<16.3***	No
1B			**BRL<17.9***	
1C			**BRL<19.3***	
C1-A (9/26/13)			BRL<.699	
C1-B (9/26/13)			BRL<.542	
C1-C (9/26/13)			BRL<.663	
2A	C2-grey flexible caulk	Exterior – airside – TSA entry	**114,000**	Yes - EPA
2B		Ground floor - bay 1	**120,000**	
2C		Exterior – public side – north end overhang	**83,200**	
03-MT (8/16/13)		Murphy Terminal – Public corridor A columns	**27,440**	
3A	C3-hard semi-flex caulk (brownish-dirty grey)	Exterior – airside – TSA entry	**42.7**	Yes - CTDEEP
3B		Ground floor – stairway 1	**9.78**	
3C		Exterior – public side – south end	**1.30**	
4A	WG1-brown semi pliable, crumbly window glaze♦	Exterior – airside – TSA entry	**12.4**	Yes - EPA
4B		Exterior – airside – outside TSA	**349**	
4C		Exterior – airside – north entry	**46.0**	
5A	WG1A-brown semi pliable glaze on interior of WG1 windows	1st floor – B23 area	**12.8**	Yes - CTDEEP
5B		1st floor – B22 area	**10.7**	
5C			**8.39**	

BRL< = Below Reportable Detection Limit
PCB ≥ 50 ppm = EPA PCB Bulk Product Waste
PCB >1 ppm but <50 ppm = CTDEEP regulated

♦Asbestos containing material (>1%)
*Additional samples were collected due to elevated detection limits that were >1 PPM

TABLE 1C BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT - TERMINAL B IAB WINDSOR LOCKS, CONNECTICUT				
Sample No.	**Homogenous Material Type**	**Sample Location**	**Total PCB (ppm)**	**EPA/CTDEEP Regulated**
6A	C4A-brown powdery exterior real flexible caulk *(originally classified as C4)*	Exterior – airside – north entry	**3.93**	Yes - CTDEEP
6G		Exterior – airside – window frame	**3.62**	
6B	C4B-brown powdery exterior real flexible caulk *(originally classified as C4)*	Exterior – public side – bag claim 4 entry	**99,100**	Yes - EPA
6D		Exterior – public side – expansion joint	**96,800**	
6E		Exterior – public side – expansion joint	**87,900**	
6F	C4C-brown powdery exterior real flexible caulk *(originally classified as C4)*	Exterior – public side – vent	BRL<.982	No
6C		Exterior – public side - north entry	**BRL<14.4***	
C4C-1 (9/26/13)		Exterior – public side – vent	BRL<.554	
C4C-2 (9/26/13)		Exterior – public side	BRL<.704	
01 (7/23/13)	C4D – dark brown flexible caulk	1st floor – entry 1	.796	Yes - CTDEEP
1-IAB (8/16/13)		1st floor – entry 1	.960	
2-IAB (8/16/13)		1st floor – entry 2	**1.37**	
7A	C5-brown sticky slight flex caulk	Exterior – airside TSA entry	**10.1**	Yes - CTDEEP
7B			**5.69**	
8A	C6-white fibrous putty-like caulk ♦	Exterior – airside – outside TSA	**2.93**	Yes - CTDEEP
9A	WG2-hard grey brittle window glaze ♦ (5 windows)	Exterior – southside – outside room 172	**BRL<1.27***	No
9B		Exterior – south side – outside room 167	**BRL<1.63***	
WG2(A) (9/27/13)		Exterior –outside room 167 area	BRL<.146	
WG2(B) (9/27/13)		Exterior – outside room 167 area	BRL<.121	

BRL< = Below Reportable Detection Limit
PCB ≥ 50 ppm = EPA PCB Bulk Product Waste
PCB >1 ppm but <50 ppm = CTDEEP regulated

♦Asbestos containing material (>1%)
*Additional samples were collected due to elevated detection limits that were >1 PPM

TABLE 1C BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT - TERMINAL B IAB WINDSOR LOCKS, CONNECTICUT				
Sample No.	**Homogenous Material Type**	**Sample Location**	**Total PCB (ppm)**	**EPA/CTDEEP Regulated**
10A	WG3-brown putty sticky window glaze♦	Ground floor – room 171A	**5.59**	Yes - CTDEEP
10B		Ground floor – room 171	**10.3**	
10C		Ground floor – room 167	**7.68**	
11A	C7-cream hard brittle caulk	Exterior – upper entry roof	**1.28**	Yes - CTDEEP
11B		Exterior – lower entry roof - north	**2.34**	
11C		Exterior – lower entry roof - north	**2.64**	
12A	C8-mauve caulk – hard	Public corridor – north entry	**14.2**	Yes - CTDEEP
12B		Public corridor – south entry	**17.3**	
13A	WG5-black putty window glaze	1st floor – area 3	.437	Yes - CTDEEP
13B		1st floor – area 3	**1.55**	
14A	WG4-brown putty glaze in overhang windows♦	Exterior – north side overhang	**296**	Yes - EPA
14B		Exterior – north side overhang	**43.7**	
14C		Exterior – north side overhang	**67.7**	
15A	DWG1-white hard door window glaze (1 door)	Exterior – B21 boarding ramp	BRL<.389	No
16A	DWG2-black putty door window glaze	Ground floor – room 8D	**1.95**	Yes - CTDEEP
---	C9 – white flexible caulk	1st floor - Verizon Room	*Not analyzed/Renovated in 2004*	No
---	White flexible caulk	1st floor – Terminal A-B connector hall	*Not analyzed/ Constructed in 1986*	No
---	Silver silicone caulk	1st floor – Terminal A-B connector hall	*Not analyzed/ Constructed in 1986*	No
---	Grey tacky, flexible caulk	1st floor – exterior of Terminal A-B connector hall	*Not analyzed/ Constructed in 1986*	No

BRL< = Below Reportable Detection Limit
PCB ≥ 50 ppm = EPA PCB Bulk Product Waste
PCB >1 ppm but <50 ppm = CTDEEP regulated

♦Asbestos containing material (>1%)
*Additional samples were collected due to elevated detection limits that were >1 PPM

TABLE 1D BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT - TERMINAL B MURPHY TERMINAL WINDSOR LOCKS, CONNECTICUT				
Sample No.	**Homogenous Material Type**	**Sample Location**	**Total PCB (ppm)**	**EPA/CTDEEP Regulated**
Murphy Terminal				
1A	C1 – hard brittle light brown caulk♦	Ground floor – PCA(on deck)	BRL<.374	Yes - CTDEEP
1B			**1.67**	
2A	C2 – old tan pliable caulk (ext. side of structure)♦	Basement - room 155	**18.27**	Yes - CTDEEP
2B		Ground floor - room 67/68	**5.31**	
2C		1st floor - room 35	BRL<.316	
3A	C3 – grey flexible caulk	Basement - room 154	**2.39**	Yes - CTDEEP
3B		Ground floor - Hall G	.416	
3C		Ground floor - room 10	BRL<.151	
4A	C4 – white flexible caulk	Ground floor - room 12	BRL<.163	No
4B			BRL<.135	
4C			BRL<.122	
7A	C7 – slight flexible light brown caulk	1st floor PCA - doorway near IAB	**6.06**	Yes - CTDEEP
8A	C8 – tan/grey interior, hard exterior caulk♦ *(C27&C8 are same)*	1st floor - room 39	**1.44**	Yes - CTDEEP
8B			**1.42**	
28A		1st floor - hall outside room 30C	BRL<.191	
9A	C9 – semi-pliable, sticky grey caulk(ext side of window) (50 LF)	1st floor – hall outside room 30C	.454	No
9B			.665	
11A	C11 – sticky, flexible dark brown caulk (20 LF)	1st floor – PCC entrance	BRL<.868	No
11B			BRL<.769	
12A	C12 – tan, hard pliable putty caulk♦	Basement – room 149 corridor	**1.79**	Yes - CTDEEP
12B			**10.1**	
12C			**4.59**	
13A	C13 – white, hard semi-pliable caulk♦	Exterior - control tower - walkway	**3.28**	Yes - CTDEEP
13B			.340	

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PCB >1 ppm but <50 ppm = CTDEEP regulated

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TABLE 1D BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT - TERMINAL B MURPHY TERMINAL WINDSOR LOCKS, CONNECTICUT				
Sample No.	**Homogenous Material Type**	**Sample Location**	**Total PCB (ppm)**	**EPA/CTDEEP Regulated**
14A	C14 – dark brown flexible caulk♦ (20 LF)	Exterior - control tower - walkway	.368	No
14B			.357	
15A	C15 – tan putty-like caulk w/ noticeable odor♦ *(C10 is homogeneous to C15)*	4th floor – mechanical room	**8.33**	Yes - CTDEEP
15B		Penthouse – stairwell (window)	**2.25**	
15A *(sampled on 11/28/12)*		2nd floor roof – west side	**8.01**	
16A	C16 – grey flexible tacky caulk*(C5 is homogeneous to C16)*	Exterior – ground floor - room 10	BRL<.990	No
16B		Exterior – ground floor - o/s room 12	BRL<.719	
16C		Exterior – ground floor - o/s hall G area	BRL<.922	
17A	C17 – black really flexible caulk (19 LF)	Exterior – ground floor - room3B area (around WG12 windows)	BRL<.286	No
18A	C18 – beige flexible caulk	Exterior – ground floor - outside hall G door	BRL<.770	No
18B		Exterior – ground floor - room 67	BRL<.946	
18C		Exterior – ground floor – outside hall G door	BRL<.890	
20A	C20 - Hard brittle white caulk♦	Exterior – public side - basement	**12.1**	Yes - CTDEEP
20B			**2.03**	
20C			**2.11**	
21A	C21 Dark gray wavy caulk under metal window sill (only on edge)♦	Exterior – public side - basement	**3.44**	Yes - CTDEEP
21B			.689	
21C			**1.04**	

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PCB ≥ 50 ppm = EPA PCB Bulk Product Waste
PCB >1 ppm but <50 ppm = CTDEEP regulated

♦Asbestos containing material (>1%)
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TABLE 1D BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT - TERMINAL B MURPHY TERMINAL WINDSOR LOCKS, CONNECTICUT				
Sample No.	**Homogenous Material Type**	**Sample Location**	**Total PCB (ppm)**	**EPA/CTDEEP Regulated**
22A	C22 – grey sticky flexible caulk	Exterior – public side – ground floor	BRL<.131	No
22B			BRL<.179	
22C			BRL<.182	
23A	C22A – grey flexible caulk on escalator & bus waiting areas♦	Exterior – escalator platform	BRL<.190	No
23B		Exterior – ground level – west bus waiting area	BRL<.185	
23C		Exterior – ground level – east bus waiting area	BRL<.193	
24A	C23 - stretchy light brown caulk	Exterior – 1st floor - wicked subs	**87.9**	Yes - EPA
24B			**132**	
24C			**24.4**	
25A	C24/C37 - hard semi flex gray caulk on old concrete window sills (C37 inseparable from C24)	Exterior – 1st floor – 20/30 office area	.473	No
25B	C24/C37 - hard semi flex gray caulk on old concrete window sills (C37 inseparable from C24)		.399	
25C	C24 - hard semi flex gray caulk on old concrete window sills *(C30 is homogeneous toC24)*		.522	
25D		Exterior – 1st floor roof – north of SP	BRL<.277	
26A	C25 - Brittle silver caulk behind metal window panels *(inseparable from C15)*♦	Exterior – 2nd floor – sky lounge	**4.41**	Yes - CTDEEP
26B			**8.22**	
26C			**10.9**	
27A	C26 - stretchy sticky gray caulk on AA addition	Exterior – 1st floor – AA/area 62	BRL<.269	Yes - CTDEEP
27B			**2.33**	
27C			**1.50**	

BRL< = Below Reportable Detection Limit
PCB ≥ 50 ppm = EPA PCB Bulk Product Waste
PCB >1 ppm but <50 ppm = CTDEEP regulated

♦Asbestos containing material (>1%)
*Additional samples were collected due to elevated detection limits that were >1 PPM

TABLE 1D BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT - TERMINAL B MURPHY TERMINAL WINDSOR LOCKS, CONNECTICUT				
Sample No.	**Homogenous Material Type**	**Sample Location**	**Total PCB (ppm)**	**EPA/CTDEEP Regulated**
29A	C28 – grey brittle caulk on top of parapet	Exterior - west roof o/s penthouse	.930	No
29B		Exterior - 3rd floor roof	BRL<.137	
29C		Exterior – 2nd floor north roof	BRL<.264	
30A	C29 – stretchy flexible grey-brown caulk	Exterior - 3rd floor roof - A side parapet	BRL<.379	No
30B			BRL<.351	
30C		Exterior - 3rd floor roof - A/B side parapet	BRL<.401	
32A	C31 - Beige stretchy tacky caulk w/grey exterior	Exterior – 1st floor roof – east SP	BRL<.321	No
32B			BRL<.308	
32C		Exterior – 1st floor roof – north SP	BRL<.302	
33A	C32-beige brittle caulk	Exterior – 1st floor - host 14	**6.71**	Yes - CTDEEP
33B			**5.76**	
34A	C33-tan brittle (w/ greyish exterior) caulk♦ *(WG15&C33 are homogeneous)*	Exterior – 1st floor - host 14	**46.0**	Yes - CTDEEP
34B			**43.2**	
35A	WG1 – black putty interior window glaze	MT – basement room 157	**16.6**	Yes - CTDEEP
35B			**5.07**	
36A	WG2 – hard grey glaze on int. double pane metal windows	1st floor - hall o/s room 35	BRL<.134	Yes - CTDEEP
36B		1st floor – room 20	BRL<.162	
36C		1st floor – room 18 & 21	**1.82**	
37A	WG3 – hard tan window glaze on 5'x7' metal frame windows♦ (6 windows)	1st floor - AA ticket area	.810	No
37B			.945	
38A	WG4 – flexible grey glaze on 5'x7' metal windows *(WG12 mixed in 38A & B samples)*	2nd floor roof – west side	**20,200**	Yes - EPA
38B		1st floor – wicked subs	**16,200**	
38C		Exterior – 1st floor – wicked subs	**14,600**	

BRL< = Below Reportable Detection Limit
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PCB >1 ppm but <50 ppm = CTDEEP regulated

♦Asbestos containing material (>1%)
*Additional samples were collected due to elevated detection limits that were >1 PPM

TABLE 1D BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT - TERMINAL B MURPHY TERMINAL WINDSOR LOCKS, CONNECTICUT				
Sample No.	**Homogenous Material Type**	**Sample Location**	**Total PCB (ppm)**	**EPA/CTDEEP Regulated**
39A	WG5 - hard white glaze on metal windows♦	3rd floor – room 50	**5.11**	Yes - CTDEEP
39B		2nd floor – SP room 205	**1.26**	
39C		2nd floor – SP men's bathroom	**1.25**	
40A	WG6 – black putty glaze on 7'x10' metal frame windows♦	Control tower (3 windows)	**7.17**	Yes - CTDEEP
40B			**4.17**	
41A	WG7 – grey putty glaze on 7'x10' metal frame windows♦	Control tower (1 window)	**12.5**	Yes - CTDEEP
42A	WG8 – hard white window glaze patch♦ (1 window)	4th floor - bathroom	BRL<.307	No
43A	WG9 - hard grey glaze on single pane metal framed window (4 windows)	2nd floor roof over SP – telecom. tower	BRL<.136	No
46A	WG12 – black putty window glaze *(WG11 is homogenous to WG12)*♦	2nd floor roof – west side	**7,860**	Yes - EPA
46B	WG12A – black putty window glaze♦ (1 window)	Exterior – ground floor – o/s room3B	.887	No
46C			.314	
47A	WG13 - grey putty window glaze on AA addition♦	Exterior – 1st floor – AA/area 62	**BRL<1.61***	No
47B			**BRL<1.61***	
47C			**BRL<1.76***	
1-WG13 (10/1/13)			BRL<.181	
2-WG13 (10/1/13)			BRL<.149	
3-WG13 (10/1/13)			BRL<.112	
48A	WG14-brown soft crumbly window glaze♦	Exterior – 1st floor - host 14	**14.0**	Yes - CTDEEP
48B			**10.92**	
50A	DWG1 – black putty door window glaze	Ground floor - stairwellS2	**1.07**	Yes - CTDEEP
50B		Ground floor - PCA	.740	
50C		3rd floor - hall	.746	

BRL< = Below Reportable Detection Limit
PCB ≥ 50 ppm = EPA PCB Bulk Product Waste
PCB >1 ppm but <50 ppm = CTDEEP regulated

♦Asbestos containing material (>1%)
*Additional samples were collected due to elevated detection limits that were >1 PPM

TABLE 1D BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT - TERMINAL B MURPHY TERMINAL WINDSOR LOCKS, CONNECTICUT				
Sample No.	**Homogenous Material Type**	**Sample Location**	**Total PCB (ppm)**	**EPA/CTDEEP Regulated**
51A	DWG4 – grey putty door window glaze♦	Ground floor -3C	BRL<.318	Yes - CTDEEP
51B		Ground floor -BAD2	BRL<.507	
51C		1st floor - room 36	**1.01**	
52A	DWG5 – white putty door window glaze♦ (2 doors)	Ground floor - room 12	BRL<.957	No
54A	DWG7 – white flexible window glaze in garage doors	Exterior – ground floor – o/s room 3C	.186	No
54B			.320	
54C		Exterior – ground floor – room 12	ND<.021	
55A	WG1A – grey putty interior glaze	Ground floor - PCA	.943	Yes - CTDEEP
55B			**1.06**	
56A	C22B – beige tacky flexible caulk	Exterior - 1st floorpublic side	BRL<.822	No
56B		Exterior - 1st floorpublic side	BRL<.387	
56C		Exterior - 1st floorpublic side (south)	BRL<.654	
57A	C34 – dark brown tacky flexible caulk (80 LF)	Exterior – 1st floor – public side	BRL<.656	No
57B			BRL<.977	
58A	C35 – tan brittle caulk in parapet joint♦	Exterior - 3rd floor roof	BRL<.177	No
58B			BRL<.226	
58C			BRL<.178	
59A	WG5A - hard grey window glaze (thick on interior)♦	3rd floor – room 80A	**1.76**	Yes - CTDEEP
59B			**2.87**	
59C			**2.95**	
60A	C36 – thin beads of white flexible caulk	Exterior – wicked subs	**10.4**	Yes - CTDEEP
60B			**26.9**	
60C			**23.5**	
61A	C31A - white flexible (pink interior) caulk	Exterior – 1st floor roof north of SP	BRL<.309	No
61B			BRL<.254	
61C			BRL<.392	

BRL< = Below Reportable Detection Limit
PCB ≥ 50 ppm = EPA PCB Bulk Product Waste
PCB >1 ppm but <50 ppm = CTDEEP regulated

♦Asbestos containing material (>1%)
*Additional samples were collected due to elevated detection limits that were >1 PPM

TABLE 1D BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT - TERMINAL B MURPHY TERMINAL WINDSOR LOCKS, CONNECTICUT				
Sample No.	**Homogenous Material Type**	**Sample Location**	**Total PCB (ppm)**	**EPA/CTDEEP Regulated**
62A	WG16-silver slightly flexible window glaze	2nd floor – room 216B	**3,655**	Yes - EPA
62B		2nd floor – sky lounge	**3,114**	
62C	WG16-silver slightly flexible window glaze	2nd floor – conference room 1	**28,600**	Yes - EPA
SI1A	SI1 – silver silicone	MT – 3rd fl roof (exterior of 4th floor) - over WG2 glaze	.767	Yes - CTDEEP
SS2		2nd floor lobby (WG10 window)	**1.96**	
SS3		3rd floor (window)	**7.11**	
4-WG10	WG10 – grey soft flex glaze in large single pane metal windows (5'x4') (1 window)	2nd floor - hall 2C	BRL<.128	No
5-WG10			BRL<.167	

BRL< = Below Reportable Detection Limit
PCB ≥ 50 ppm = EPA PCB Bulk Product Waste
PCB >1 ppm but <50 ppm = CTDEEP regulated

♦Asbestos containing material (>1%)
*Additional samples were collected due to elevated detection limits that were >1 PPM

TABLE 2A IDENTIFIED PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B CONCOURSE A WINDSOR LOCKS, CONNECTICUT			
Material	**Sample Date (mo/yr)**	**General Location**	**Estimated Quantity**
Concourse A			
CTDEEP REGULATED PCB CONTAINING MATERIALS (> 1 ppm, < 50 ppm)			
WG1 - Interior Grey Pliable Glaze on 4x4 Windows	Sampled 11/12	Exterior – windows &W1 window systems	43 EA
C5- Black Pliable Caulk on Ceramic Wall Tile♦	Sampled 11/12	Ground floor – janitor closet across from G06	10 LF
C8 - Dark gray crumbly soft daub under 4" metal windowsill♦	Sampled 11/12	Ground floor – W1 window systems – under metal window sills	48 SF
C9 - Light grey, hard flexible caulk	Sampled 11/12	Ground floor – W1 window systems – around windows	386 LF
C10 - Silver brittle crumbly caulk *(inseparable from C9)*♦	Sampled 11/12	Ground floor – W1 window systems – around windows	144 LF
EPA REGULATED PCB BULK PRODUCT WASTE (≥50 ppm)			
CC1- Grey Pliable Caulk on Columns♦	Sampled 11/12 &8/13	Throughout ground floor along interior of exterior walls of original structure – each side of column	361 LF
WCa– beige pliable caulk♦	Sampled 11/12& 8/13	Throughout interior & exterior of building on window systems, doors & vents *(mainly ground floor)*	1,540 LF
C12 - grey hard layered brittle caulk♦	Sampled 11/12	Exterior – joints in bridge area	150 LF

♦Asbestos containing material (>1%)

TABLE 2B IDENTIFIED PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B CONCOURSE B WINDSOR LOCKS, CONNECTICUT			
Material	**Sample Date (mo/yr)**	**General Location**	**Estimated Quantity**
Concourse B			
CTDEEP REGULATED PCB CONTAINING MATERIALS (> 1 ppm, < 50 ppm)			
C2 - interior tan putty-like window caulk♦	Sampled 11/12	Throughout – on interior/exterior of windows, doors & vents	3,974 LF
C3 - white flexible caulk	Sampled 11/12	Interior – Room 130, 124 B &B20 boarding ramp Exterior – joint outside utility room	66 LF
C5 - brittle silver caulk (white flakes visible)♦	Sampled 11/12	W1 windows systems – around exterior	434 LF
C6 - Dark gray crumbly soft (daub) caulk under 4" metal window sill♦	Sampled 11/12	W1 windows systems – under exterior window sill	56 SF & 34 LF
C10 - light grey very flexible (powder snap) caulk	Sampled 11/12	Interior & exterior of 2 windows on east end of TWA holdroom& at B20 boarding ramp entrance	170 LF
C11 - light flex caulk on ground concrete slab seams	Sampled 11/12	Exterior – outside utility room	150 LF
WG1 - interior and exterior gray brittle window glaze♦	Sampled 11/12	W1 window systems	34 EA
SI1 – clear silicone caulk/glaze (over C2&WG1)	Sampled 11/12	W1 window systems (scattered) – covering WG1 & C2	100 LF
EPA REGULATED PCB BULK PRODUCT WASTE (≥50 ppm)			
CC1-grey pliable caulk on metal columns♦	Sampled 8/13	Throughout concourse along interior of exterior walls	486 LF
C1 - beige pliable interior door caulk♦	Sampled 11/12	Room 147 – door/window frame	45 LF
C4 - grey hard surface semi-flexible caulk♦	Sampled 11/12	Exterior of W1&W4 window systems, doors & east windows	1000 LF
C8 - Dark gray hard (slight flex) caulk (around old marble lower window panes)	Sampled 11/12	W4 window systems – on exterior of lower marble panels	476 LF

♦Asbestos containing material (>1%)

TABLE 2B IDENTIFIED PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B CONCOURSE B WINDSOR LOCKS, CONNECTICUT			
Material	**Sample Date (mo/yr)**	**General Location**	**Estimated Quantity**
Concourse B			
WG2 - black flex-putty glaze on new windows♦	Sampled 11/12	Exterior of TWA holdroom (North)	3 EA
WG3 - white outer/gray inner window glaze *(inseparable from WG4)*	Sampled 11/12	W4 window systems – covering WG4 in various locations	200 LF
WG4 - dark gray (slight silverish) glaze on windows	Sampled 11/12	W4 window systems	18 EA

♦ Asbestos containing material (>1%)

TABLE 2C IDENTIFIED PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B IAB WINDSOR LOCKS, CONNECTICUT			
Material	**Sample Date (mo/yr)**	**General Location**	**Estimated Quantity**
IAB			
CTDEEP REGULATED PCB CONTAINING MATERIALS (> 1 ppm, < 50 ppm)			
C3-hard semi-flex caulk (brownish-dirty grey)	Sampled 11/12	Throughout interior/exterior of building on windows, doors & joints	1,960 LF
WG1A-brown semi pliable glaze on interior of WG1 windows	Sampled 11/12	Ground floor – interior of some windows, 1st floor – interior of WG1 window systems & upper windows	44 EA
C4A-brown powdery exterior real flexible caulk	Sampled 11/12	Ground floor – on window exterior to baggage claim 4	80 LF
C4D – dark brown flexible caulk	Sampled 11/12	1st floor – interior/exterior of Entry 1 & 2, exterior of former entry (between entry 1 &2)	130 LF
C5-brown sticky slight flex caulk	Sampled 11/12	Ground floor – hall outside room 168 and on exterior side of TSA lobby door	42 LF
C6-white fibrous putty-like caulk ♦	Sampled 11/12	Ground floor – on windows exterior of TSA	10 LF
WG3-brown putty sticky window glaze♦	Sampled 11/12	Ground floor – on interior of windows in room 167, 171, 171A, 172A& 172	7 EA
C7-cream hard brittle caulk	Sampled 11/12	Upper entry roof – wall/roof joint, Lower entry roof – west corner	300 LF
C8- hard mauve caulk	Sampled 11/12	1st floor –on upper area sides of doors/windows in public corridor (interior/exterior)	54 LF
WG5-black putty window glaze	Sampled 11/12	1st floor – area 3	3 EA
DWG2-black putty door window glaze	Sampled 11/12	Ground floor – room 8D& end of B22 boarding ramp	2 EA

♦ Asbestos containing material (>1%)

TABLE 2C IDENTIFIED PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B IAB WINDSOR LOCKS, CONNECTICUT			
Material	**Sample Date (mo/yr)**	**General Location**	**Estimated Quantity**
IAB			
EPA REGULATED PCB BULK PRODUCT WASTE (≥50 ppm)			
C2-grey flexible caulk	Sampled 11/12	Throughout the interior & exterior of the building on floor joints ,wall joints, columns, windows, etc.	8,517 LF
WG1-brown semi pliable, crumbly window glaze♦	Sampled 11/12	Ground floor – exterior of some windows, 1st floor – exterior of WG1 window systems & upper windows	48 EA
C4B-brown exterior real flexible caulk	Sampled 11/12&12/12	Ground floor – various components on the interior/exterior of ground floor	276 LF
WG4-brown putty glaze in overhang windows♦	Sampled 11/12	1st floor – exterior overhang (facing down) on each end of building	10 EA

♦Asbestos containing material (>1%)

TABLE 2D IDENTIFIED PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B MURPHY TERMINAL WINDSOR LOCKS, CONNECTICUT			
Material	**Sample Date (mo/yr)**	**General Location**	**Estimated Quantity**
Murphy Terminal			
CTDEEP REGULATED PCB CONTAINING MATERIALS (> 1 ppm, < 50 ppm)			
C1 – hard brittle light brown caulk♦	Sampled 12/12	Ground floor – PCA (on deck)	24 LF
C2 – old tan pliable caulk♦	Sampled 12/12	Basement– vents & windows throughout Ground floor – windows, doors & vents in rooms 67, 68, 68A, along viaduct switch room area, customs 5 & room 73 1st floor– 20/30's office area windows	780LF
C3 – grey flexible caulk	Sampled 12/12	Basement-around double doors to loading dock, Ground floor-room 10, 13 & hall G on wall joints & doors	256 LF
C7 – slight flexible light brown caulk	Sampled 11/12	1st floor PCA -doorway near IAB on joints	24 LF
C8 – tan/grey interior, hard exterior caulk♦	Sampled 12/12	Basement-closet next to disposal room, Ground floor- exterior windows outside delta baggage claim, 1st floor – windows of 20/30's office area & exterior of escalator lobby 1	776 LF
C12 – tan, hard pliable putty caulk♦	Sampled 12/12	Basement – doors & vents in room 149 corridor	120 LF
C13 – white, hard semi-pliable caulk♦	Sampled 12/12	Control tower – on exterior metal wall panels	220 LF
C15 – tan putty-like caulk w/ noticeable odor♦	Sampled 12/12	Ground floor – exterior overhang outside delta baggage claim, 1st floor – Penthouse – on windows, doors & vents throughout	4,973 LF
C20 - Hard brittle white caulk♦	Sampled 12/12	Basement – interior/exterior of room 155A	35 LF

♦Asbestos containing material (>1%)

TABLE 2D IDENTIFIED PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B MURPHY TERMINAL WINDSOR LOCKS, CONNECTICUT			
Material	**Sample Date (mo/yr)**	**General Location**	**Estimated Quantity**
Murphy Terminal			
C21 Dark gray wavy caulk under metal window sill (only on edge)♦	Sampled 12/12	Basement –room 155A, 1st floor – samadams& Public Corridor D	25 LF
C25 - Brittle silver caulk behind metal window panels♦	Sampled 12/12	1st floor – WG4/WG12 window wall panel system on windows, seams & joints	550 LF
C26 - stretchy sticky gray caulk on AA addition	Sampled 12/12	1st floor – on windows exterior to rooms 62A-C and 30B	36 LF
C32-beige brittle caulk	Sampled 12/12	1st floor – on joints exterior to host lounge 14	24 LF
C33-tan brittle (w/greyish exterior) caulk♦	Sampled 12/12	1st floor – on joints & windows exterior to host lounge 14	250 LF
WG1 – black putty interior window glaze	Sampled 12/12	Basement–room 157, 1st floor – escalator lobby 1	3EA
WG1A – grey putty interior glaze	Sampled 12/12	Ground floor - PCA	16 EA
WG2 – hard grey glaze on int. double pane metal windows	Sampled 12/12	1st floor – 20/30's office area, 4th floor - throughout	75EA
WG5 - hard white glaze on metal windows♦	Sampled 12/12	Basement – room 155/155A, 2nd floor&3rd floor– throughout	118EA
WG6 – black putty glaze on 7'x10' metal frame windows♦	Sampled 12/12	2nd floor – exterior of hall 2CControl tower	4EA
WG7 – grey putty glaze on 7'x10' metal frame windows♦	Sampled 12/12	Control tower	1 EA
WG14-brown soft crumbly window glaze♦	Sampled 12/12	1st floor –exterior to host lounge 14	7 EA
DWG1 – black putty door window glaze	Sampled 12/12	Ground floor–public concourse A & delta baggage claim, 1st floor–public corridor C, 2nd floor–stair D, 3rd floor–room 81 & hall D1, penthouse	9EA

♦Asbestos containing material (>1%)

TABLE 2D IDENTIFIED PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B MURPHY TERMINAL WINDSOR LOCKS, CONNECTICUT			
Material	**Sample Date (mo/yr)**	**General Location**	**Estimated Quantity**
Murphy Terminal			
DWG4 – grey putty door window glaze♦	Sampled 12/12	Basement – room 155A, Ground floor – room 3D, 24, 24 hallway, 3C, hall G, hallway outside room 69, BAD 2, , 1st floor – room 54B, stair lobby 1, 25, 26, 36, 37, 2nd floor – stair D, hall outside room 209, airport admin 1,4th floor–room 83, stairwell entrance	14EA
WG5A - hard grey window glaze (thick on interior)♦	Sampled 12/12	3rd floor – room 80 &80A	9 EA
C36 – thin beads of white flexible caulk	Sampled 12/12	1st floor – exterior of wicked subs on window units	250 LF
SI1 – silver silicone	Sampled 12/12	2nd floor – Penthouse – scattered locations over other window glazings & caulks	445 LF
C11 - light flex caulk on ground concrete slab seams ***(Concourse B)***	Sampled 11/12	Ground floor – exterior of delta baggage claim	52 LF
WG1 - Interior Grey Pliable Glaze on 4x4 Windows ***(Concourse A)***	Sampled 12/12	Ground floor – delta baggage claim, 1st floor – public corridor D	13 EA
EPA REGULATED PCB BULK PRODUCT WASTE (≥50 ppm)			
C23 - stretchy light brown caulk	Sampled 12/12	1st floor – on window units exterior to wicked subs	200 LF
WG4 – flexible grey glaze on 5'x7' metal windows	Sampled 11/12, 12/12	1st floor – WG4/WG12 window wall panel system in wicked subs, WS1 and paradies, 2nd floor – Northwest windows	63 EA
WG12 – black putty window glaze♦	Sampled 11/12, 12/12	2nd floor – Northwest & Northeast windows	93 EA *(already included in WG4&WG16 totals)*
WG16-silver slightly flexible window glaze	Sampled 12/12	1st floor – WG4/WG12 window wall panel system in wicked subs, WS1 and paradies, 2nd floor – Northwest & Northeast windows	30 EA

♦Asbestos containing material (>1%)

TABLE 2D IDENTIFIED PCB CONTAINING MATERIALS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B MURPHY TERMINAL WINDSOR LOCKS, CONNECTICUT			
Material	**Sample Date (mo/yr)**	**General Location**	**Estimated Quantity**
Murphy Terminal			
WCa– beige pliable caulk♦ ***(Concourse A)***	Sampled 11/12 &8/13	Ground floor – around windows in delta baggage claim& south escalator, 1st floor – public corridor D	306 LF
C2-grey flexible caulk ***(IAB)***	Sampled 12/12	1st floor – on columns in public corridor A & exterior to host lounge 14 around window system	137 LF

♦ Asbestos containing material (>1%)

TABLE 3A BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B CONCOURSE A WINDSOR LOCKS, CONNECTICUT						
ID No.	**Sample ID**	**Substrate Description**	**PCB Building Material**	**Date Collected**	**Total PCBs (PPM)**	**Material Classification**
CONCOURSE A						
Porous Substrate Samples Adjacent to EPA Caulks						
After further inspection, C6 was reclassified as CC1. All sample ID's which reference C6 now pertain to CC1.						
1	CA-C6-CM 1-0"	0" CMU - Hall outside Room 105	CC1- Grey Pliable Caulk on Columns	8/22/13	**2.6**	PCB Bulk Product Waste*
2	CA-C6-CM 2-0"	0" CMU - G 09		8/22/13	**22.1**	
3	CA-C6-CM 1-3"	3" CMU - Hall outside Room 105		8/22/13	**5.92**	
4	CA-C6-CM 2-3"	3" CMU - G 09		8/22/13	**16.3**	
5	CA-C6-CM 1-6"	6" CMU - Hall outside Room 105		8/22/13	**18.3**	
6	CA-C6-CM 2-6"	6" CMU - G 09		8/22/13	**5.43**	
7	CA-C6-CM 1-12"	12" CMU - Hall outside Room 105		8/22/13	**6.35**	
8	CA-C6-CM 2-12"	12" CMU - G 09		8/22/13	**3.54**	
9	CA-CC1-CM 3-12"	12" CMU - G-10		9/11/13	**4.08**	
10	CA-CC1-CM 1-24"	24" CMU - Hall outside Room 185		9/11/13	**3.96**	
11	CA-CC1-CM 2-24"	24" CMU - G-09		9/11/13	**8.99**	
12	CA-CC1-CM 3-24"	24" CMU - G-10		9/11/13	**7.58**	
13	CA-CC1-CM 3-36"	36" CMU - G-10		9/11/13	**4.68**	
14	CA-WCA-CM 1-0"	0" CMU - G 08	WCa – beige pliable caulk *(elevated results due to close proximity to CC1)*	8/22/13	**5.91**	PCB Bulk Product Waste*
15	CA-WCA-CM 1-3"	3" CMU - G 08		8/22/13	**8.55**	
16	CA-WCA-CM 1-6"	6" CMU - G 08		9/11/13	**10.1**	
17	CA-WCA-CM 2-0"	0" CMU - Mech 110	WCa – beige pliable caulk *(214 LF•)*	8/22/13	0.064	Unregulated

BRL< = Below Reportable Detection Limit

•Quantities represent the linear footage of caulk adjacent to specific porous substrate. Sample groups may also represent porous substrate impact of additional caulks. These caulks/quantities will also be listed.

*EPA PCB impacted substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

TABLE 3A
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS
BRADLEY INTERNATIONAL AIRPORT – TERMINAL B
CONCOURSE A
WINDSOR LOCKS, CONNECTICUT

ID No.	Sample ID	Substrate Description	PCB Building Material	Date Collected	Total PCBs (PPM)	Material Classification
18	CA-WCa-CM3-0”	0” CMU – Mech 115A	WCa – beige pliable caulk *(214 LF•)*	9/26/13	.173	Unregulated
19	CA-WCA-CM 2-3”	3” CMU - Mech 110		8/22/13	0.067	
20	CA-WCa-CM3-3”	3” CMU – Mech 115A		9/26/13	.110	
21	CA-WCA-CM 2-6”	6” CMU - Mech 110		8/22/13	0.099	
22	CA-WCA-CO 1-0”	0” Concrete - East center vent	WCa – beige pliable caulk	8/22/13	BRL<0.062	Unregulated
23	CA-WCA-CO 2-0”	0” Concrete - East center door		8/22/13	BRL<0.056	
24	CA-WCA-CO 1-3”	3” Concrete - East center vent	WCa – beige pliable caulk *(60 LF•)*	8/22/13	BRL<0.058	Unregulated
25	CA-WCA-CO 2-3”	3” Concrete - East center door		8/22/13	BRL<0.062	
26	CA-WCA-BR 1-0”	0” Brick - West center	WCa – beige pliable caulk *(WCa – 300 LF•)* *(C12 – 150 LF•)*	8/23/13	BRL<0.060	Unregulated
27	CA-WCA-BR 2-0”	0” Brick - East center		8/23/13	BRL<0.058	
28	CA-WCA-BR 1-3”	3” Brick - West center		8/23/13	BRL<0.061	
29	CA-WCA-BR 2-3”	3” Brick - East center		8/23/13	BRL<0.062	
30	CA-WCA-GB 1-0”	0” Glazed block - Vestibule next to 112C	WCa – beige pliable caulk *(30 LF•)*	8/22/13	BRL<0.065	Unregulated
31	CA-WCA-GB 1-3”	3” Glazed block - Vestibule next to 112C		8/22/13	BRL<0.063	
32	CA-WCA-CT 1-0”	0” Ceramic Tile - Women’s bath	WCa – beige pliable caulk *(5 LF•)*	8/22/13	BRL<0.059	Unregulated
33	CA-WCA-CT 1-3”	3” Ceramic Tile - Women’s bath		8/22/13	BRL<0.051	
Porous Substrate Samples Adjacent to CTDEEP Caulks						
34	CA-C8-BR 1-0”	0” Brick - West center	C8 - Dark gray crumbly soft daub under 4” metal windowsill *(48 SF•)*	8/23/13	BRL<0.058	Unregulated
35	CA-C8-BR 2-0”	0” Brick - East center		8/23/13	BRL<0.061	

BRL< = Below Reportable Detection Limit

•Quantities represent the linear footage of caulk adjacent to specific porous substrate. Sample groups may also represent porous substrate impact of additional caulks. These caulks/quantities will also be listed.
*EPA PCB impacted substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

TABLE 3A BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B CONCOURSE A WINDSOR LOCKS, CONNECTICUT						
ID No.	**Sample ID**	**Substrate Description**	**PCB Building Material**	**Date Collected**	**Total PCBs (PPM)**	**Material Classification**
36	CA-C5-SHR 1-0”	0” Sheetrock - Janitor closet	C5- Black Pliable Caulk on Ceramic Wall Tile *(10 LF•)*	8/22/13	0.153	Unregulated

BRL< = Below Reportable Detection Limit

•Quantities represent the linear footage of caulk adjacent to specific porous substrate. Sample groups may also represent porous substrate impact of additional caulks. These caulks/quantities will also be listed.
*EPA PCB impacted substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

TABLE 3B
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS
BRADLEY INTERNATIONAL AIRPORT – TERMINAL B
CONCOURSE B
WINDSOR LOCKS, CONNECTICUT

ID No.	Sample ID	Substrate Description	PCB Building Material	Date Collected	Total PCBs (PPM)	Material Classification
CONCOURSE B						
Porous Substrate Samples Adjacent to EPA Caulks						
1	CB-CC1-CM 1-0”	0” CMU - North end TWA Hold Room	CC1-grey pliable caulk on metal columns *(486 LF•)*	9/4/13	**7.19**	PCB Bulk Product Waste*
2	CB-CC1-CM 2-0”	0” CMU - TWA Hold Room – East		9/4/13	**11.6**	
3	CB-CC1-CM 3-0”	0” CMU - Room 147A		9/4/13	**4.04**	
4	CB-CC1-CM 1-3”	3” CMU - North end TWA Hold Room		9/4/13	**7.93**	
5	CB-CC1-CM 2-3”	3” CMU - TWA Hold Room – East		9/4/13	**4.22**	
6	CB-CC1-CM 3-3”	3” CMU - Room 147A		9/4/13	**9.77**	
7	CB-CC1-CM 1-6”	6” CMU - North end TWA Hold Room		9/4/13	**5.17**	
8	CB-CC1-CM 2-6”	6” CMU - TWA Hold Room – East		9/4/13	**11.5**	
9	CB-CC1-CM 3-6”	6” CMU - Room 147A		9/4/13	**24.4**	
10	CB-CC1-CM 1-12”	12” CMU - North end TWA Hold Room		9/4/13	**11.5**	
11	CB-CC1-CM 2-12”	12” CMU - TWA Hold Room – East		9/4/13	**15.1**	
12	CB-CC1-CM 3-12”	12” CMU - Room 147A		9/4/13	**8.79**	
13	CB-CC1-CM 1-24”	24” CMU - TWA Hold Room – North		9/12/13	**8.44**	
14	CB-CC1-CM 2-24”	24” CMU - TWA Hold Room – East		9/12/13	**5.27**	
15	CB-CC1-CM 3-24”	24” CMU - Room 147A		9/12/13	BRL<0.061	
16	CB-CC1-CM 1-36”	36” CMU - TWA Hold Room – North		9/12/13	**8.49**	

TABLE 3B
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS
BRADLEY INTERNATIONAL AIRPORT – TERMINAL B
CONCOURSE B
WINDSOR LOCKS, CONNECTICUT

ID No.	Sample ID	Substrate Description	PCB Building Material	Date Collected	Total PCBs (PPM)	Material Classification
17	CB-C4-CO 1-0”	0” Concrete - B20 Boarding Ramp	C4 - grey hard surface semi-flexible caulk *(210 LF•)*	8/8/13	**1.75**	PCB Bulk Product Waste*
18	CB-C4-CO 1-3”	3” Concrete - B20 Boarding Ramp		8/8/13	**1.63**	
19	CB-C4-CO 1-6”	6” Conrete - B20 Boarding Ramp		9/4/13	0.164	Unregulated
20	CB-C4-BR 1-0”	0” Brick - Exterior – SW	C4 - grey hard surface semi-flexible caulk *(C4 – 400 LF•)* *(C8 – 105 LF•)*	7/29/13	0.433	PCB Bulk Product Waste*
21	CB-C4-BR 2-0”	0” Brick - Exterior – SW		7/29/13	0.238	
22	CB-C4-BR 3-0”	0” Brick - Exterior – NW		7/30/13	BRL<0.061	
23	CB-C4-BR 4-0”	0” Brick - Exterior – NE		8/8/13	0.180	
24	CB-C4-BR 5-0”	0” Brick - Exterior – N		8/8/13	**1.010**	
25	CB-C4-BR 1-3”	3” Brick - Exterior – SW		7/29/13	BRL<0.066	Unregulated
26	CB-C4-BR 2-3”	3” Brick - Exterior – SW		7/29/13	0.116	
27	CB-C4-BR 3-3”	3” Brick - Exterior – NW		7/30/13	BRL<0.059	
28	CB-C4-BR 4-3”	3” Brick - Exterior – NE		8/8/13	BRL<0.0637	
29	CB-C4-BR 5-3”	3” Brick - Exterior – N		8/8/13	0.724	
Porous Substrate Samples Adjacent to CTDEEP Caulks						
30	CB-C2-PL 1-0”	0” Plaster skimcoat - Room 147	C2 - interior tan putty-like window caulk *(elevated results due to close proximity to CC1)*	8/9/13	**59.4**	PCB Bulk Product Waste*
31	CB-C2-PL 1-3”	3” Plaster skimcoat - Room 147		9/4/13	**78.3**	
32	CB-C2-PL 1-6”	6” Plaster skimcoat - Room 147		9/4/13	**64.2**	
33	CB-C2-PL 1-12”	12” Plaster skimcoat - Room 147		9/12/13	0.092	Unregulated
34	CB-C2-PL 1-24”	24” Plaster skimcoat - Room 147		9/12/13	BRL<0.217	
35	CB-C2-PL 1-36”	36” Plaster skimcoat - Room 147		9/12/13	BRL<0.220	
36	CB-C2-CM 4-0”	0” CMU - TWA Hold Room East	C2 - interior tan putty-like window caulk *(elevated results due to close proximity to CC1)*	8/9/13	**49.3**	PCB Bulk Product Waste*
37	CB-C2-CM 6-0”	0” CMU - TWA Hold Room – East		9/4/13	**13.5**	
38	CB-C2-CM 7-0”	0” CMU - TWA Hold Room – West		9/4/13	**7.55**	
39	CB-C2-CM 6-3”	3” CMU - TWA Hold Room – East		9/4/13	**14.0**	

TABLE 3B
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS
BRADLEY INTERNATIONAL AIRPORT – TERMINAL B
CONCOURSE B
WINDSOR LOCKS, CONNECTICUT

ID No.	Sample ID	Substrate Description	PCB Building Material	Date Collected	Total PCBs (PPM)	Material Classification
41	CB-C2-CM 7-3”	3” CMU - TWA Hold Room – West	C2 - interior tan putty-like window caulk *(elevated results due to close proximity to CC1)*	9/4/13	**12.2**	PCB Bulk Product Waste*
42	CB-C2-CM 1-0”	0” CMU - Lower Mech Room B	C2 - interior tan putty-like window caulk *(C2 – 190 LF•)* *(C3 – 10 LF•)*	7/30/13	0.297	Unregulated
43	CB-C2-CM 2-0”	0” CMU - LMA Area		7/30/13	BRL<0.062	
44	CB-C3-CM 3-0”	0” CMU - B20 Boarding Ramp		8/9/13	BRL <0.058	
45	CB-C2-CM 5-0”	0” CMU - Bridge – interior		8/9/13	BRL <0.055	
46	CB-C2-CO 1-0”	0” Concrete - Lower Mech Room B	C2 - interior tan putty-like window caulk	7/30/13	BRL<0.057	Unregulated
47	CB-C2-CO 2-0”	0” Concrete - LMA Area		7/30/13	BRL<0.063	
48	CB-C11-CO 1-0”	0” Concrete - Exterior – SE	C11 - light flex caulk on ground concrete slab seams *(150 LF•)*	8/8/13	BRL<0.054	
49	CB-C2-BR 1-0”	0” Brick - Lower Mech Room B	C2 - interior tan putty-like window caulk *(C2 – 525 LF•)* *(C3 – 15 LF•)* *(C6 - 100 LF•)*	7/30/13	BRL<0.060	Unregulated
50	CB-C2-BR 2-0”	0” Brick - LMA Area		7/30/13	BRL<0.054	
51	CB-C3-BR 3-0”	0” Brick - B20 Boarding Ramp		8/9/13	0.016	
52	CB-C2-BR 4-0”	0” Brick - West – Dr		8/9/13	BRL<0.058	
53	CB-C10-SH 1-0”	0” Sheetrock - TWA Holding Room NW	C10 - light grey very flexible (powder snap) caulk *(50 LF•)*	8/9/13	0.314	Unregulated
54	CB-C10-SH 2-0”	0” Sheetrock - TWA Holding Room NE		8/9/13	0.469	

BRL< = Below Reportable Detection Limit

•Quantities represent the linear footage of caulk adjacent to specific porous substrate. Sample groups may also represent porous substrate impact of additional caulks. These caulks/quantities will also be listed.

*EPA PCB impactd substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

TABLE 3C
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS
BRADLEY INTERNATIONAL AIRPORT – TERMINAL B
IAB
WINDSOR LOCKS, CONNECTICUT

ID No.	Sample ID	Substrate Description	PCB Building Material	Date Collected	Total PCBs (PPM)	Material Classification
IAB						
Porous Substrate Samples Adjacent to EPA Caulks						
1	IB-C2-CO 1-0”	0” Concrete - NW ground	C2-grey flexible caulk *(C2 - 6, 223 LF•)* *(C4B – 15 LF•)*	8/12/13	0.214	PCB Bulk Product Waste*
2	IB-C2-CO 2-0”	0” Concrete - NW column		8/12/13	**6.71**	
3	IB-C2-CO 3-0”	0” Concrete - North Central - column		8/12/13	**1.56**	
4	IB-C2-CO 4-0”	0” Concrete - NE ground		8/12/13	BRL<0.056	
5	IB-C2-CO 6-0”	0” Concrete - East ground		8/13/13	0.692	
6	IB-C2-CO 7-0”	0” Concrete - Elevated north window		8/16/13	0.25	
7	IB-C2-CO 8-0”	0” Concrete - Elevated south window		8/16/13	0.48	
8	IB-C2-CO 9-0”	0” Concrete - Elevated south joint		8/16/13	**1.85**	
9	IB-C2-CO 10-0”	0” Concrete - Elevated NW1		8/16/13	0.116	
10	IB-C2-CO 11-0”	0” Concrete - Elevated NW2		8/16/13	0.086	
11	IB-C2-CO 12-0”	0” Concrete - Elevated SW wall		8/16/13	0.117	
12	IB-C2-CO 13-0”	0” Concrete - Roof west joint		8/19/13	0.977	
13	IB-C2-CO 14-0”	0” Concrete - Roof south joint		8/19/13	0.652	
14	IB-C2-CO 15-0”	0” Concrete - Roof south joint		8/19/13	**20.8**	
15	IB-C2-CO 16-0”	0” Concrete - Roof south joint		8/19/13	**3.71**	
16	IAB-C2-CO 17-0”	0” Concrete - MT 1st - PCA		8/29/13	**7.5**	
17	IB-C2-CO 1-3”	3” Concrete - NW ground	C2-grey flexible caulk *(C2 - 6, 223 LF•)* *(C4B – 15 LF•)*	8/12/13	0.070	Unregulated
18	IB-C2-CO 2-3”	3” Concrete - NW column		8/12/13	0.421	
19	IB-C2-CO 3-3”	3” Concrete - North Central column		8/12/13	0.362	
20	IB-C2-CO 4-3”	3” Concrete - NE ground		8/12/13	BRL<0.066	
21	IB-C2-CO 6-3”	3” Concrete - East ground		8/13/13	0.188	
22	IB-C2-CO 7-3”	3” Concrete - Elevated north window		8/16/13	0.154	

TABLE 3C
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS
BRADLEY INTERNATIONAL AIRPORT – TERMINAL B
IAB
WINDSOR LOCKS, CONNECTICUT

ID No.	Sample ID	Substrate Description	PCB Building Material	Date Collected	Total PCBs (PPM)	Material Classification
23	IB-C2-CO 8-3”	3” Concrete - Elevated south window	C2-grey flexible caulk *(C2 - 6, 223 LF•)* *(C4B – 15 LF•)*	8/16/13	0.207	Unregulated
24	IB-C2-CO 9-3”	3” Concrete - Elevated south joint		8/16/13	0.253	
25	IB-C2-CO 10-3”	3” Concrete - Elevated NW1		8/16/13	0.202	
26	IB-C2-CO 11-3”	3” Concrete - Elevated NW2		8/16/13	0.113	
27	IB-C2-CO 12-3”	3” Concrete - Elevated SW wall		8/16/13	0.096	
28	IB-C2-CO 13-3”	3” Concrete - Roof west joint		8/19/13	BRL<0.051	
29	IB-C2-CO 14-3”	3” Concrete - Roof south joint		8/19/13	0.235	
30	IB-C2-CO 15-3”	3” Concrete - Roof south joint		8/19/13	BRL<0.058	
31	IB-C2-CO 16-3”	3” Concrete - Roof south joint		8/19/13	BRL<0.067	
32	IAB-C2-CO 17-3”	3” Concrete - MT 1st - PCA		8/29/13	0.594	
33	IAB-C2-CO 17-6”	6” Concrete - MT 1st - PCA		8/29/13	0.240	
34	IAB-C2-CO 17-12”	12” Concrete - MT 1st - PCA		8/29/13	0.235	
35	IB-C2-CO 5-0”	0” Concrete w/ small stone - NE – column (stone)	C2-grey flexible caulk *(700 LF•)*	8/13/13	**25.8**	PCB Bulk Product Waste*
36	IB-C2-CO 18-0”	0” Concrete w/ small stone - Air side – west (stone)		9/13/13	**16.4**	
37	IB-C2-CO 19-0”	0” Concrete w/ small stone - Air side – central (stone)		9/13/13	**31.0**	
38	IB-C2-CO 5-3”	3” Concrete w/ small stone - NE – column (stone)		8/13/13	**1.97**	
39	IB-C2-CO 18-3”	3” Concrete w/ small stone - Air side – west (stone)		9/13/13	**2.024**	
41	IB-C2-CO 19-3”	3” Concrete w/ small stone - Air side – central (stone)		9/13/13	**3.06**	
42	IB-C2-CO 5-6”	6” Concrete w/ small stone - NE – column (stone)		8/13/13	0.221	Unregulated
43	IB-C2-CO 18-6”	6” Concrete w/ small stone - Air side – west (stone)		9/13/13	0.156	

TABLE 3C
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS
BRADLEY INTERNATIONAL AIRPORT – TERMINAL B
IAB
WINDSOR LOCKS, CONNECTICUT

ID No.	Sample ID	Substrate Description	PCB Building Material	Date Collected	Total PCBs (PPM)	Material Classification
44	IB-C2-CO 19-6”	6” Concrete w/ small stone - Air side – central (stone)	C2-grey flexible caulk *(700 LF•)*	9/13/13	0.177	Unregulated
45	IB-C2-CO 5-12”	12” Concrete w/ small stone - NE – column (stone)	C2-grey flexible caulk *(700 LF•)*	8/13/13	0.191	Unregulated
46	IB-C2-CO 18-12”	12” Concrete w/ small stone - Air side – west (stone)		9/13/13	0.138	
47	IB-C2-CO 19-12”	12” Concrete w/ small stone - Air side – central (stone)		9/13/13	0.123	
48	IB-C2-CM 1-0”	0” CMU - Bay 1 - center	C2-grey flexible caulk *(80 LF•)*	8/13/13	**92.3**	PCB Bulk Product Waste*
49	IB-C2-CM 2-0”	0” CMU - Bay 1 - corner		8/13/13	**155.0**	
50	IB-C2-CM 1-3”	3” CMU - Bay 1 - center		8/13/13	**2.66**	
51	IB-C2-CM 2-3”	3” CMU - Bay 1 - corner		8/13/13	**3.79**	
52	IB-C2-CM 1-6”	6” CMU - Bay 1 - center		8/13/13	**1.42**	
53	IB-C2-CM 2-6”	6” CMU - Bay 1 - corner		8/13/13	**1.4**	
54	IB-C2-CM 1-12”	12” CMU - Bay 1 - corner		8/13/13	0.377	Unregulated
55	IB-C2-CM 2-12”	12” CMU - Bay 1 - corner		8/13/13	0.339	
56	IB-C4B-BR 1-0”	0” Brick - South Central	C4B-brown exterior real flexible caulk *(150 LF•)*	8/13/13	**9.12**	PCB Bulk Product Waste*
57	IB-C2-BR 2-0”	0” Brick - Roof west joint	C2-grey flexible caulk *(150 LF•)*	8/19/13	**32.2**	
58	IB-C4B-BR 1-3”	3” Brick - South Central	C4B-brown exterior real flexible caulk	8/13/13	**10.7**	
59	IB-C2-BR 2-3”	3” Brick - Roof west joint	C2-grey flexible caulk	8/19/13	0.274	
60	IB-C4B-BR 1-6”	6” Brick - South central	C4B-brown exterior real flexible caulk	8/13/13	**2.16**	
61	IB-C4B-BR 1-12”	12” Brick - South central		8/13/13	**1.15**	
62	IB-C4B-BR 1-16”	16” Brick - Public side exterior ground		9/13/13	0.422	Unregulated
63	IB-C4B-BR 1-20”	20” Brick - Public side exterior ground		9/13/13	0.288	

TABLE 3C
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS
BRADLEY INTERNATIONAL AIRPORT – TERMINAL B
IAB
WINDSOR LOCKS, CONNECTICUT

ID No.	Sample ID	Substrate Description	PCB Building Material	Date Collected	Total PCBs (PPM)	Material Classification
64	IB-C3-BR 4-0”	0” Brick - Hall 8	C4B-brown exterior real flexible caulk *(sampled as adjacent to C3, but is actually adjacent to C4B)*	8/12/13	**17.4**	PCB Bulk Product Waste*
65	IB-C3-BR 6-0”	0” Brick - TSA Hall	C4B-brown exterior real flexible caulk *(sampled as adjacent to C3, but is actually adjacent to C4B)*	8/12/13	**14.5**	PCB Bulk Product Waste*
66	IB-C2-GR 1-0”	0” Grout between non-porous slate tiles - B23 area	C2-grey flexible caulk *(123 LF on grout•)*	8/16/13	**1.11**	PCB Bulk Product Waste*
67	IB-C2-GR 2-0”	0” Grout between non-porous slate tiles - Area 3		8/16/13	**2.76**	
68	IB-C2-GR 1-3”	3” Grout between non-porous slate tiles - B23 area		8/16/13	0.355	Unregulated
69	IB-C2-GR 2-3”	3” Grout between non-porous slate tiles - Area 3		8/16/13	0.648	
Porous Substrate Samples Adjacent to CTDEEP Caulks						
70	IB-C3-CO 1-0”	0” Concrete - Public corridor – outside 174	C3-hard semi-flex caulk (brownish-dirty grey) *(592 LF total for all CTDEEP caulks•)*	8/16/13	0.567	Unregulated
71	IB-C3-CO 2-0”	0” Concrete - Public corridor – near entry 1		8/16/13	0.516	
72	IB-C3-CO 3-0”	0” Concrete - Public corridor near entry 2		8/16/13	0.559	
73	IB-C3-BR 1-0”	0” Brick - Exterior NW	C3-hard semi-flex caulk (brownish-dirty grey) *(1,668 LF total for all CTDEEP caulks•)*	8/12/13	0.177	Unregulated
74	IB-C3-BR 2-0”	0” Brick - Exterior NE		8/12/13	0.088	
75	IB-C3-BR 3-0”	0” Brick - Exterior SE		8/12/13	BRL<0.059	
76	IB-C3-BR 5-0”	0” Brick - Baggage Claim 4		8/12/13	0.125	
77	IB-C3-BR 7-0”	0” Brick - Hall outside Room 172		9/13/13	0.121	
78	IB-C3-BR 8-0”	0” Brick - Room 8B		9/13/13	BRL<0.062	

TABLE 3C BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B IAB WINDSOR LOCKS, CONNECTICUT						
ID No.	**Sample ID**	**Substrate Description**	**PCB Building Material**	**Date Collected**	**Total PCBs (PPM)**	**Material Classification**
79	IB-C3-BR 9-0”	0” Brick - Outside Boiler Room	C3-hard semi-flex caulk (brownish-dirty grey) *(1,668 LF total for all CTDEEP caulks•)*	9/13/13	<0.056	Unregulated
80	IB-C3-GR 1-0”	0” Grout - Stair 1 escalator	C3-hard semi-flex caulk (brownish-dirty grey) *(20 LF•)*	9/13/13	0.296	Unregulated
81	Drill bit decon	Drill bit	---	8/16/13	BRL <0.001	---

BRL< = Below Reportable Detection Limit

•Quantities represent the linear footage of caulk adjacent to specific porous substrate. Sample groups may also represent porous substrate impact of additional caulks. These caulks/quantities will also be listed.

*EPA PCB impactd substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

TABLE 3D BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B MURPHY TERMINAL WINDSOR LOCKS, CONNECTICUT						
ID No.	**Sample ID**	**Substrate Description**	**PCB Building Material**	**Date Collected**	**Total PCBs (PPM)**	**Material Classification**
MURPHY TERMINAL						
Porous Substrate Samples Adjacent to CTDEEP Caulks						
1	MT-C2-CO 1-0”	0” Concrete - 1st floor Office 35	C2 – old tan pliable caulk	8/27/13	0.086	Unregulated *(1,372 LF of CTDEEP caulks adjacent to concrete)*
2	MT-C12-CO 1-0”	0” Concrete - Basement 149 corridor	C12 – tan, hard pliable putty caulk	8/28/13	0.960	
3	MT-C12-CO 2-0”	0” Concrete - Basement 149 corridor		8/28/13	0.719	
4	MT-C15-CO 1-0”	0” Concrete - 2nd floor exterior boardroom	C15 – tan putty-like caulk w/ noticeable odor	8/30/13	BRL<0.065	
5	MT-C20-CO 1-0”	0” Concrete - Exterior basement – public side	C20 - Hard brittle white caulk	8/29/13	BRL<0.060	
6	MT-C33-CO 1-0”	0” Concrete - Host Lounge 14 roof	C33-tan brittle (w/ greyish exterior) caulk	8/29/13	0.093	
7	MT-C2-CM 1-0”	0” CMU - Basement Room 155 vent	C2 – old tan pliable caulk	8/27/13	0.127	Unregulated *(607 LF of CTDEEP caulks adjacent to CMU)*
8	MT-C2-CM 2-0”	0” CMU - Basement Room 155 window		8/27/13	0.109	
9	MT-C15-CM 1-0”	0” CMU - 1st floor closet next to Jazz 1	C15 – tan putty-like caulk w/ noticeable odor	8/27/13	0.106	
10	MT-C2-BR 1-0”	0” Brick - 1st floor Office 35	C2 – old tan pliable caulk	8/27/13	BRL<0.057	Unregulated *(3,022 LF of CTDEEP caulks adjacent to brick)*
11	MT-C2-BR 2-0”	0” Brick - 1st floor – Office 19		8/27/13	BRL<0.063	
12	MT-C2-BR 3-0”	0” Brick - Exterior basement – public side		8/29/13	BRL<0.064	
13	MT-C2-BR 4-0”	0” Brick - Exterior basement – public side		8/29/13	BRL<0.054	
14	MT-C12-BR 1-0”	0” Brick - Basement – 149 corridor	C12 – tan, hard pliable putty caulk	8/28/13	0.920	

TABLE 3D BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B MURPHY TERMINAL WINDSOR LOCKS, CONNECTICUT						
ID No.	**Sample ID**	**Substrate Description**	**PCB Building Material**	**Date Collected**	**Total PCBs (PPM)**	**Material Classification**
15	MT-C15-BR 1-0”	0” Brick - 3rd floor south exterior	C15 – tan putty-like caulk w/ noticeable odor	8/27/13	BRL<0.070	Unregulated *(3,022 LF of CTDEEP caulks adjacent to brick)*
16	MT-C15-BR 2-0”	0” Brick - 3rd floor NW exterior		8/27/13	BRL<0.067	
17	MT-C15-BR 3-0”	0” Brick - 3rd floor north center exterior		8/27/13	BRL<0.064	
18	MT-C15-BR 4-0”	0” Brick - 3rd floor exterior NE		8/27/13	BRL<0.058	
19	MT-C15-BR 5-0”	0” Brick - 4th floor south exterior		8/27/13	BRL<0.068	
20	MT-C15-BR 6-0”	0” Brick - 2nd floor exterior north S.P.		8/30/13	BRL<0.069	
21	MT-C15-BR 7-0”	0” Brick - 2nd floor exterior north S.P.		8/30/13	BRL<0.064	
22	MT-C15-BR 8-0”	0” Brick - 1st floor exterior elevator West		8/30/13	BRL<0.067	
23	MT-C15-BR 9-0”	0” Brick - 1st floor exterior elevator C		8/30/13	BRL<0.065	
24	MT-C15-BR 10-0”	0” Brick - 1st floor exterior elevator E		8/30/13	BRL<0.064	
25	MT-C15-FB 1-0”	0” finished block - 2nd floor Kitchen south		8/27/13	BRL<0.064	
26	MT-C15-FB 2-0”	0” finished block - 2nd floor Kitchen north		8/27/13	BRL<0.063	
27	MT-C11-A1-0”	0” asphalt - Exterior air side west		8/29/13	BRL<0.057	

BRL< = Below Reportable Detection Limit

•Quantities represent the linear footage of caulk adjacent to specific porous substrate. Sample groups may also represent porous substrate impact of additional caulks. These caulks/quantities will also be listed.

*EPA PCB impactd substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

TABLE 4A SURFACE COVER SAMPLE ANALYTICAL RESULTS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B CONCOURSE A WINDSOR LOCKS, CONNECTICUT						
ID No.	**Sample ID**	**Sample Substrate**	**Sample Location**	**Date Collected**	**Total PCBs (PPM)**	**Material Classification**
CONCOURSE A						
1	CA-CO1	Concrete	South jet ramp	8/22/13	BRL <0.055	Unregulated
2	CA-CO2	Concrete	North jet ramp	8/22/13	BRL <0.053	Unregulated
3	CA-CO3	Concrete	Exterior SW	8/22/13	BRL <0.060	Unregulated
4	CA-CO4	Concrete	Exterior east center	8/22/13	BRL <0.054	Unregulated
5	CA-CO5	Concrete	Exterior east center	8/22/13	BRL <0.062	Unregulated
6	CA-CO6	Concrete	Exterior east center	8/22/13	BRL <0.061	Unregulated
7	CA-CO7	Concrete	Exterior east center	8/22/13	BRL <0.061	Unregulated
8	CA-CO8	Concrete	Exterior east center	8/22/13	BRL <0.066	Unregulated
9	CA-CO9	Concrete	Exterior east center	8/22/13	BRL <0.054	Unregulated
10	CA-CO10	Concrete	Exterior east center	8/22/13	BRL <0.064	Unregulated
11	CA-CO11	Concrete	Exterior east center	8/22/13	BRL <0.057	Unregulated
12	CA-CO12	Concrete	Exterior east center	8/22/13	BRL <0.057	Unregulated
13	CA-CO13	Concrete	Exterior east center	8/22/13	BRL <0.065	Unregulated
14	CA-CO14	Concrete	Exterior east center	8/22/13	BRL <0.052	Unregulated
15	CA-CO15	Concrete	Exterior west center	8/23/13	BRL <0.062	Unregulated
16	CA-CO16	Concrete	Exterior west center	8/23/13	BRL <0.061	Unregulated
17	CA-CO17	Concrete	Exterior west center	8/23/13	BRL <0.061	Unregulated
18	CA-CO18	Concrete	Exterior west center	8/23/13	BRL <0.059	Unregulated
19	CA-CO19	Concrete	Exterior west center	8/23/13	BRL <0.059	Unregulated
20	CA-CO20	Concrete	Exterior west center	8/23/13	BRL <0.060	Unregulated
21	CA-CO21	Concrete	Exterior west center	8/23/13	BRL <0.065	Unregulated
22	CA-CO22	Concrete	Exterior west center	8/23/13	BRL <0.062	Unregulated
23	CA-CO23	Concrete	Exterior Northwest	8/23/13	BRL <0.054	Unregulated
24	CA-CO24	Concrete	Exterior Northwest	8/23/13	BRL <0.065	Unregulated
25	CA-CO25	Concrete	Exterior Northwest	8/23/13	BRL <0.058	Unregulated
26	CA-CO26	Concrete	Exterior Northwest	8/23/13	BRL <0.067	Unregulated
27	CA-CO27	Concrete	Exterior Northwest	8/23/13	BRL <0.066	Unregulated
28	CA-CO28	Concrete	Exterior Northwest	8/23/13	BRL <0.067	Unregulated
29	CA-CO29	Concrete	Exterior North	8/23/13	BRL <0.066	Unregulated
30	CA-CO30	Concrete	Exterior North	8/23/13	BRL <0.065	Unregulated
31	CA-CO31	Concrete	Exterior NE	8/23/13	BRL <0.063	Unregulated
32	CA-CO32	Concrete	Exterior NE	8/23/13	BRL <0.066	Unregulated
33	CA-CO33	Concrete	Exterior NE	8/23/13	0.193	Unregulated

TABLE 4A SURFACE COVER SAMPLE ANALYTICAL RESULTS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B CONCOURSE A WINDSOR LOCKS, CONNECTICUT						
ID No.	**Sample ID**	**Sample Substrate**	**Sample Location**	**Date Collected**	**Total PCBs (PPM)**	**Material Classification**
34	CA-CO34	Concrete	Exterior NE	8/23/13	BRL <0.064	Unregulated
35	CA-CO35	Concrete	Exterior east center	8/23/13	BRL <0.062	Unregulated
36	CA-CO36	Concrete	Exterior east center	8/23/13	BRL <0.061	Unregulated
37	CA-CO37	Concrete	Exterior east center	8/23/13	BRL <0.059	Unregulated
38	CA-CO38	Concrete	Exterior east center	8/23/13	BRL <0.059	Unregulated
39	CA-CO39	Concrete	Exterior east center	8/23/13	BRL <0.062	Unregulated
40	CA-CO40	Concrete	Exterior east center	8/23/13	BRL <0.065	Unregulated
41	CA-CO41	Concrete	Exterior east center	8/23/13	BRL <0.059	Unregulated
42	CA-CO42	Concrete	Exterior east center	8/23/13	BRL <0.064	Unregulated
43	CA-CO43	Concrete	Exterior east center	8/23/13	BRL <0.065	Unregulated
44	CA-CO44	Concrete	Exterior southeast	8/23/13	BRL <0.065	Unregulated
45	CA-CO45	Concrete	Exterior southeast	8/23/13	BRL <0.066	Unregulated
46	CA-CO46	Concrete	Exterior southeast	8/23/13	BRL <0.058	Unregulated
47	CA-CO47	Concrete	Exterior southeast	8/23/13	BRL <0.065	Unregulated
48	CA-CO48	Concrete	Exterior southeast	8/23/13	BRL <0.063	Unregulated
49	CA-S1	Soil	Exterior west center	8/22/13	0.043	Unregulated
50	CA-S2	Soil	Exterior west center	8/22/13	BRL <0.020	Unregulated
51	CA-S3	Soil	Exterior west center	8/22/13	BRL <0.020	Unregulated
52	CA-S4	Soil	Exterior west center	8/22/13	0.060	Unregulated
53	CA-S5	Soil	Exterior west center	8/22/13	0.363	Unregulated
54	CA-S6	Soil	Exterior west center	8/22/13	BRL <0.021	Unregulated
55	CA-S7	Soil	Exterior east center	8/22/13	0.024	Unregulated
56	CA-S8	Soil	Exterior east center	8/22/13	0.286	Unregulated
57	CA-S9	Soil	Exterior east center	8/23/13	0.102	Unregulated
58	CA-S10	Soil	Exterior east center	8/23/13	0.046	Unregulated
59	CA-S11	Soil	Exterior east center	8/23/13	0.257	Unregulated
60	CA-A1	Asphalt	Exterior west center	8/22/13	BRL <0.062	Unregulated
61	CA-A2	Asphalt	Exterior east center	8/22/13	BRL <0.061	Unregulated
62	CA-A3	Asphalt	Exterior north	8/23/13	BRL <0.061	Unregulated

BRL< = Below Reportable Detection Limit

TABLE 4B SURFACE COVER SAMPLE ANALYTICAL RESULTS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B CONCOURSE B WINDSOR LOCKS, CONNECTICUT						
ID No.	**Sample ID**	**Sample Substrate**	**Sample Location**	**Date Collected**	**Total PCBs (PPM)**	**Material Classification**
CONCOURSE B						
1	CB-GC-CO1	Concrete	Exterior – SW	7/29/13	BRL <0.064	Unregulated
2	CB-GC-CO2	Concrete	Exterior – SW	7/29/13	BRL <0.063	Unregulated
3	CB-GC-CO3	Concrete	Exterior – SW	7/29/13	BRL <0.067	Unregulated
4	CB-GC-CO4	Concrete	Exterior – SW	7/29/13	BRL <0.066	Unregulated
5	CB-GC-CO5	Concrete	Exterior – SW	7/29/13	BRL <0.058	Unregulated
6	CB-GC-CO6	Concrete	Exterior – SW	7/29/13	BRL <0.060	Unregulated
7	CB-GC-CO7	Concrete	Exterior – SW	7/29/13	BRL <0.060	Unregulated
8	CB-GC-CO8	Concrete	Exterior – CW	7/29/13	BRL <0.063	Unregulated
9	CB-GC-CO9	Concrete	Exterior – CW	7/29/13	BRL <0.062	Unregulated
10	CB-GC-C10	Concrete	Exterior – CW	7/29/13	BRL <0.064	Unregulated
11	CB-GC-C11	Concrete	Exterior – CW	7/29/13	BRL <0.065	Unregulated
12	CB-GC-C12	Concrete	Exterior – CW	7/29/13	0.123	Unregulated
13	CB-GC-C13	Concrete	Exterior - NW	7/30/13	BRL <0.063	Unregulated
14	CB-GC-C14	Concrete	Exterior - NW	7/30/13	BRL <0.052	Unregulated
15	CB-GC-C15	Concrete	Exterior - NW	7/30/13	BRL <0.058	Unregulated
16	CB-GC-C16	Concrete	Exterior - NW	7/30/13	BRL <0.052	Unregulated
17	CB-GC-C17	Concrete	Exterior - NW	7/30/13	BRL <0.059	Unregulated
18	CB-GC-C18	Concrete	Exterior - NW	7/30/13	BRL <0.066	Unregulated
19	CB-GC-C19	Concrete	Exterior - NW	7/30/13	BRL <0.067	Unregulated
20	CB-GC-C20	Concrete	Exterior - NW	7/30/13	BRL <0.058	Unregulated
21	CB-GC-C21	Concrete	Exterior - NW	7/30/13	BRL <0.055	Unregulated
22	CB – C022	Concrete	Exterior - SE	8/8/13	0.092	Unregulated
23	CB – C023	Concrete	Exterior - SE	8/8/13	BRL <0.060	Unregulated
24	CB – C024	Concrete	Exterior - SE	8/8/13	BRL <0.056	Unregulated
25	CB – C025	Concrete	Exterior - SE	8/8/13	BRL <0.061	Unregulated
26	CB – C026	Concrete	Exterior - SE	8/8/13	BRL <0.055	Unregulated
27	CB – C027	Concrete	Exterior - SE	8/8/13	BRL <0.059	Unregulated
28	CB – C028	Concrete	Exterior - SE	8/8/13	BRL <0.061	Unregulated
29	CB – C029	Concrete	Exterior - SE	8/8/13	BRL <0.058	Unregulated
30	CB – C030	Concrete	Exterior - SE	8/8/13	BRL <0.064	Unregulated
31	CB – C031	Concrete	Exterior - NE	8/8/13	BRL <0.052	Unregulated
32	CB – C032	Concrete	Exterior - NE	8/8/13	BRL <0.056	Unregulated
33	CB – C033	Concrete	Exterior - NE	8/8/13	BRL <0.064	Unregulated

TABLE 4B
SURFACE COVER SAMPLE ANALYTICAL RESULTS
BRADLEY INTERNATIONAL AIRPORT – TERMINAL B
CONCOURSE B
WINDSOR LOCKS, CONNECTICUT

ID No.	Sample ID	Sample Substrate	Sample Location	Date Collected	Total PCBs (PPM)	Material Classification
34	CB – C034	Concrete	Exterior - NE	8/8/13	BRL <0.062	Unregulated
35	CB – C035	Concrete	Exterior - NE	8/8/13	BRL <0.063	Unregulated
36	CB – C036	Concrete	Exterior - NE	8/8/13	BRL <0.059	Unregulated
37	CB – C037	Concrete	Exterior - NE	8/8/13	0.061	Unregulated
38	CB – C038	Concrete	Exterior - NE	8/8/13	BRL <0.060	Unregulated
39	CB-GC-A1	Asphalt	Exterior – CW	7/29/13	0.211	Unregulated
40	CB-GC-A2	Asphalt	Exterior – CW	7/29/13	BRL <0.060	Unregulated
41	CB-GC-A3	Asphalt	Exterior – CW	7/29/13	BRL <0.061	Unregulated
42	CB-GC-A4	Asphalt	Exterior – CW	7/29/13	BRL <0.066	Unregulated
43	CB-GC-A5	Asphalt	Exterior – CW	7/29/13	0.098	Unregulated
44	CB-GC-A6	Asphalt	Exterior – NW	7/30/13	BRL <0.057	Unregulated
45	CB-GC-A7	Asphalt	Exterior – NW	7/30/13	0.356	Unregulated
46	CB-GC-A8	Asphalt	Exterior – NW	7/30/13	0.409	Unregulated
47	CB-GC-A9	Asphalt	Exterior – NW	7/30/13	0.908	Unregulated
48	CB-A10	Asphalt	Exterior - CE	8/8/13	BRL <0.056	Unregulated
49	CB-A11	Asphalt	Exterior - CE	8/8/13	BRL <0.056	Unregulated
50	CB-A12	Asphalt	Exterior – N	8/8/13	0.270	Unregulated
51	CB-A13	Asphalt	Exterior – N	8/8/13	0.455	Unregulated
52	CB-A14	Asphalt	Exterior – N	8/8/13	0.286	Unregulated
53	CB-GC-S1	Soil	Exterior – CW	7/30/13	0.079	Unregulated
54	CB-GC-S2	Soil	Exterior – CW	7/30/13	0.026	Unregulated
55	CB-GC-S3	Soil	Exterior – CW	7/30/13	0.083	Unregulated
56	CB-S4	Soil	Exterior - CE	8/8/13	0.082	Unregulated
57	CB-S5	Soil	Exterior - CE	8/8/13	0.133	Unregulated
58	CB-S6	Soil	Exterior - CE	8/8/13	0.848	Unregulated
59	CB-S7	Soil	Exterior - CE	8/8/13	0.121	Unregulated
60	CB-S8	Soil	Exterior - CE	8/8/13	0.055	Unregulated

BRL< = Below Reportable Detection Limit

TABLE 4C SURFACE COVER SAMPLE ANALYTICAL RESULTS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B IAB WINDSOR LOCKS, CONNECTICUT						
ID No.	**Sample ID**	**Sample Substrate**	**Sample Location**	**Date Collected**	**Total PCBs (PPM)**	**Material Classification**
IAB						
1	IB-C1	Concrete	Exterior - NW	8/12/13	BRL <0.062	Unregulated
2	IB-C2	Concrete	Exterior - NW	8/12/13	BRL <0.066	Unregulated
3	IB-C3	Concrete	Exterior - NW	8/12/13	BRL <0.064	Unregulated
4	IB-C4	Concrete	Exterior - NW	8/12/13	BRL <0.062	Unregulated
5	IB-C5	Concrete	Exterior - NW	8/12/13	BRL <0.065	Unregulated
6	IB-C6	Concrete	Exterior - NW	8/12/13	BRL <0.064	Unregulated
7	IB-C7	Concrete	Exterior - NW	8/12/13	BRL <0.068	Unregulated
8	IB-C8	Concrete	Exterior - NW	8/12/13	0.554	Unregulated
9	IB-C9	Concrete	Exterior - NW	8/12/13	BRL <0.067	Unregulated
10	IB-C10	Concrete	Exterior - NW	8/12/13	BRL <0.067	Unregulated
11	IB-C11	Concrete	Exterior - NW	8/12/13	0.069	Unregulated
12	IB-C12	Concrete	Exterior - NW	8/12/13	0.099	Unregulated
13	IB-C13	Concrete	Exterior - North central	8/12/13	BRL <0.064	Unregulated
14	IB-C14	Concrete	Exterior - North central	8/12/13	BRL <0.064	Unregulated
15	IB-C15	Concrete	Exterior - North central	8/12/13	0.066	Unregulated
16	IB-C16	Concrete	Exterior - North central	8/12/13	BRL <0.067	Unregulated
17	IB-C17	Concrete	Exterior - North central	8/12/13	BRL <0.066	Unregulated
18	IB-C18	Concrete	Exterior - North central	8/12/13	BRL <0.066	Unregulated
19	IB-C19	Concrete	Exterior - North central	8/12/13	BRL <0.065	Unregulated
20	IB-C20	Concrete	Exterior - North central	8/12/13	BRL <0.067	Unregulated
21	IB-C21	Concrete	Exterior - North central	8/12/13	BRL <0.066	Unregulated
22	IB-C22	Concrete	Exterior - North central	8/12/13	BRL <0.063	Unregulated
23	IB-C23	Concrete	Exterior - North central	8/12/13	BRL <0.066	Unregulated
24	IB-C24	Concrete	Exterior - North central	8/12/13	BRL <0.060	Unregulated
25	IB-C25	Concrete	Exterior - North central	8/12/13	BRL <0.062	Unregulated
26	IB-C26	Concrete	Exterior - North central	8/12/13	BRL <0.065	Unregulated
27	IB-C27	Concrete	Exterior - North central	8/12/13	0.091	Unregulated
28	IB-C28	Concrete	Exterior - North central	8/12/13	BRL <0.067	Unregulated
29	IB-C29	Concrete	Exterior - North central	8/12/13	BRL <0.060	Unregulated
30	IB-C30	Concrete	Exterior - North central	8/12/13	BRL <0.065	Unregulated
31	IB-C31	Concrete	Exterior - NE	8/12/13	BRL <0.062	Unregulated
32	IB-C32	Concrete	Exterior - NE	8/12/13	BRL <0.065	Unregulated
33	IB-C33	Concrete	Exterior - NE	8/12/13	BRL <0.066	Unregulated

TABLE 4C
SURFACE COVER SAMPLE ANALYTICAL RESULTS
BRADLEY INTERNATIONAL AIRPORT – TERMINAL B
IAB
WINDSOR LOCKS, CONNECTICUT

ID No.	Sample ID	Sample Substrate	Sample Location	Date Collected	Total PCBs (PPM)	Material Classification
34	IB-C34	Concrete	Exterior - NE	8/12/13	BRL <0.066	Unregulated
35	IB-C35	Concrete	Exterior - NE	8/12/13	BRL <0.062	Unregulated
36	IB-C36	Concrete	Exterior - NE	8/12/13	BRL <0.062	Unregulated
37	IB-C37	Concrete	Exterior - NE	8/12/13	BRL <0.060	Unregulated
38	IB-C38	Concrete	Exterior - NE	8/12/13	BRL <0.061	Unregulated
39	IB-C39	Concrete	East	8/13/13	BRL <0.061	Unregulated
40	IB-C40	Concrete	East	8/13/13	BRL <0.065	Unregulated
41	IB-C41	Concrete	Exterior - SE	8/13/13	BRL <0.064	Unregulated
42	IB-C42	Concrete	Exterior - SE	8/13/13	BRL <0.062	Unregulated
43	IB-C43	Concrete	Exterior - SE	8/13/13	BRL <0.060	Unregulated
44	IB-C44	Concrete	Exterior - SE	8/13/13	BRL <0.062	Unregulated
45	IB-C45	Concrete	Exterior - SE	8/13/13	BRL <0.063	Unregulated
46	IB-C46	Concrete	Exterior - SE	8/13/13	0.168	Unregulated
47	IB-C47	Concrete	Exterior - SE	8/13/13	0.137	Unregulated
48	IB-C48	Concrete	Exterior - SE	8/13/13	BRL <0.064	Unregulated
49	IB-C49	Concrete	South Central	8/13/13	BRL <0.064	Unregulated
50	IB-C50	Concrete	South Central	8/13/13	0.025	Unregulated
51	IB-C51	Concrete	South West	8/13/13	**1.792**	PCB Remediation Waste
52	IB-C52	Concrete	South West	8/13/13	0.569	Unregulated
53	IB-C53	Concrete	South West	8/13/13	BRL <0.053	Unregulated
54	IB-C54	Concrete	South West	8/13/13	BRL <0.06	Unregulated
55	IB-C55	Concrete	Exterior - SE	8/13/13	BRL <0.061	Unregulated
56	IB-C56	Concrete	Exterior - SE	8/13/13	BRL <0.057	Unregulated
57	IB-C57	Concrete	Exterior - SE	8/13/13	BRL <0.067	Unregulated
58	IB-C58	Concrete	Exterior - SE	8/13/13	BRL <0.054	Unregulated
59	IB-C59	Concrete	Exterior - SE	8/13/13	BRL <0.055	Unregulated
60	IB-C60	Concrete	Exterior - SE	8/13/13	BRL <0.053	Unregulated
61	IB-C61	Concrete	Exterior - SE	8/13/13	BRL <0.066	Unregulated
62	IB-C62	Concrete	Exterior - SE	8/13/13	BRL <0.065	Unregulated
63	IB-C54A	Concrete	Exterior – 1st floor outside entry 1	8/29/13	BRL <0.059	Unregulated
64	IB-C55A	Concrete	Exterior – 1st floor outside entry 1	8/29/13	BRL <0.059	Unregulated

TABLE 4C
SURFACE COVER SAMPLE ANALYTICAL RESULTS
BRADLEY INTERNATIONAL AIRPORT – TERMINAL B
IAB
WINDSOR LOCKS, CONNECTICUT

ID No.	Sample ID	Sample Substrate	Sample Location	Date Collected	Total PCBs (PPM)	Material Classification
65	IB-C56A	Concrete	Exterior – 1st floor outside entry 2	8/29/13	BRL <0.060	Unregulated
66	IB-C57A	Concrete	Exterior – 1st floor outside entry 2	8/29/13	BRL <0.054	Unregulated
67	IB-A1	Asphalt	Exterior – North Central	8/13/13	0.196	Unregulated
68	IB-A2	Asphalt	Exterior – North Central	8/13/13	0.152	Unregulated
69	IB-A3	Asphalt	Exterior – North Central	8/12/13	0.148	Unregulated
70	IB-A4	Asphalt	Exterior – North Central	8/12/13	0.247	Unregulated
71	IB-A5	Asphalt	Exterior – North Central	8/12/13	0.372	Unregulated
72	IB-A6	Asphalt	Exterior - NE	8/12/13	0.244	Unregulated
73	IB-A7	Asphalt	Exterior - NE	8/12/13	0.208	Unregulated
74	IB-A8	Asphalt	Exterior - NE	8/12/13	0.158	Unregulated
75	IB-A9	Asphalt	Exterior - NE	8/12/13	0.129	Unregulated
76	IB-A10	Asphalt	Exterior - NE	8/12/13	0.062	Unregulated
77	IB-A11	Asphalt	Exterior - NE	8/12/13	**91.9**	PCB Remediation Waste
78	IB-A12	Asphalt	Exterior – East 4' out	8/13/13	0.070	Unregulated
79	IB-A13	Asphalt	Exterior – East 4' out	8/13/13	0.085	Unregulated
80	IB-A14	Asphalt	Exterior – East 4' out	8/13/13	BRL <0.053	Unregulated
81	IB-A15	Asphalt	Exterior – East 4' out	8/13/13	BRL <0.062	Unregulated
82	IB-A16	Asphalt	Exterior – East 4' out	8/13/13	0.068	Unregulated
83	IB-A17	Asphalt	Exterior – East 7' out	8/13/13	0.075	Unregulated
84	IB-A18	Asphalt	Exterior – East 7' out	8/13/13	0.090	Unregulated
85	IB-A19	Asphalt	Exterior – East 7' out	8/13/13	BRL <0.054	Unregulated
86	IB-A20	Asphalt	Exterior – East 7' out	8/13/13	0.060	Unregulated
87	IB-A21	Asphalt	Exterior – East 7' out	8/13/13	BRL <0.053	Unregulated
88	IB-GR1	Grout	Exterior - SW	8/16/13	BRL <0.068	Unregulated
89	IB-GR2	Grout	Exterior - SW	8/16/13	BRL <0.063	Unregulated
90	IB-GR3	Grout	Exterior - SW	8/16/13	BRL <0.064	Unregulated
91	IB-GR4	Grout	Exterior - SW	8/16/13	BRL <0.056	Unregulated
92	IB-GR5	Grout	Exterior - SC	8/16/13	BRL <0.055	Unregulated
93	IB-GR6	Grout	Exterior - SC	8/16/13	BRL <0.065	Unregulated
94	IB-GR7	Grout	Exterior - SC	8/16/13	BRL <0.068	Unregulated
95	IB-GR8	Grout	Exterior - SC	8/16/13	BRL <0.069	Unregulated

TABLE 4C SURFACE COVER SAMPLE ANALYTICAL RESULTS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B IAB WINDSOR LOCKS, CONNECTICUT						
ID No.	**Sample ID**	**Sample Substrate**	**Sample Location**	**Date Collected**	**Total PCBs (PPM)**	**Material Classification**
96	IB-GR9	Grout	Exterior - SC	8/16/13	BRL <0.058	Unregulated
97	IB-GR10	Grout	Exterior - SC	8/16/13	BRL <0.06	Unregulated
98	IB-GR14	Grout	Exterior - SW	8/16/13	BRL <0.063	Unregulated
99	IB-GR13	Grout	Exterior - SW	8/16/13	BRL <0.059	Unregulated
100	IB-GR12	Grout	Exterior - SW	8/16/13	BRL <0.059	Unregulated
101	IB-GR11	Grout	Exterior - SW	8/16/13	BRL <0.056	Unregulated

BRL< = Below Reportable Detection Limit

TABLE 4D SURFACE COVER SAMPLE ANALYTICAL RESULTS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B MURPHY TERMINAL WINDSOR LOCKS, CONNECTICUT						
ID No.	**Sample ID**	**Sample Substrate**	**Sample Location**	**Date Collected**	**Total PCBs (PPM)**	**Material Classification**
MURPHY TERMINAL						
1	MT-C1	Concrete	Exterior basement – loading dock	8/28/13	0.178	Unregulated
2	MT-C2	Concrete	Exterior basement – loading dock	8/28/13	BRL<0.061	Unregulated
3	MT-C3	Concrete	Exterior basement – public side	8/28/13	BRL <0.063	Unregulated
4	MT-C4	Concrete	Exterior basement – public side	8/28/13	BRL <0.065	Unregulated
5	MT-C5	Concrete	Exterior public side – ground west	8/29/13	BRL <0.062	Unregulated
6	MT-C6	Concrete	Exterior public side – ground west	8/29/13	BRL <0.065	Unregulated
7	MT-C7	Concrete	Exterior public side – ground west	8/29/13	BRL <0.066	Unregulated
8	MT-C8	Concrete	Exterior public side – ground west	8/29/13	BRL <0.060	Unregulated
9	MT-C9	Concrete	Exterior airside – ground west	8/29/13	BRL <0.064	Unregulated
10	MT-C10	Concrete	Exterior public side – 1st floor	8/29/13	BRL <0.070	Unregulated
11	MT-C11	Concrete	Exterior public side – 1st floor	8/29/13	BRL <0.061	Unregulated
12	MT-C12	Concrete	Exterior public side – 1st floor	8/29/13	BRL <0.065	Unregulated
13	MT-C13	Concrete	Exterior public side – 1st floor	8/29/13	BRL <0.061	Unregulated
14	MT-C14	Concrete	Exterior public side – 1st floor	8/29/13	BRL <0.063	Unregulated
15	MT-C15	Concrete	Exterior public side – 1st floor	8/29/13	BRL <0.065	Unregulated
16	MT-C16	Concrete	Exterior public side – 1st floor	8/29/13	BRL <0.066	Unregulated
17	MT-C17	Concrete	Exterior public side – 1st floor	8/29/13	BRL <0.055	Unregulated
18	MT-C18	Concrete	Exterior public side – 1st floor	8/29/13	BRL <0.063	Unregulated

TABLE 4D SURFACE COVER SAMPLE ANALYTICAL RESULTS BRADLEY INTERNATIONAL AIRPORT – TERMINAL B MURPHY TERMINAL WINDSOR LOCKS, CONNECTICUT						
ID No.	**Sample ID**	**Sample Substrate**	**Sample Location**	**Date Collected**	**Total PCBs (PPM)**	**Material Classification**
19	MT-C19	Concrete	Exterior air side – ground east	8/29/13	BRL <0.063	Unregulated
20	MT-C20	Concrete	Exterior air side – ground center	8/29/13	BRL<0.062	Unregulated
21	MT-A1	Asphalt	Exterior basement – public side	8/28/13	BRL <0.065	Unregulated
22	MT-A2	Asphalt	Exterior basement – public side	8/28/13	BRL <0.061	Unregulated
23	MT-A3	Asphalt	Exterior basement – public side	8/29/13	BRL <0.063	Unregulated
24	MT-A4	Asphalt	Exterior basement – public side	8/29/13	BRL <0.065	Unregulated
25	MT-A5	Asphalt	Exterior basement – public side	8/29/13	BRL <0.061	Unregulated
26	MT-A6	Asphalt	Exterior basement – public side	8/29/13	BRL <0.065	Unregulated
27	MT-A7	Asphalt	Exterior ground – West - public	8/29/13	BRL <0.058	Unregulated
28	MT-A8	Asphalt	Exterior ground – West - public	8/29/13	BRL <0.061	Unregulated
29	MT-A9	Asphalt	Exterior public side – ground around overpass	8/29/13	BRL <0.329	Unregulated
30	MT-A10	Asphalt	Exterior public side – ground around overpass	8/29/13	0.139	Unregulated
31	MT-A11	Asphalt	Exterior public side – ground around overpass	8/29/13	BRL <0.061	Unregulated

BRL< = Below Reportable Detection Limit

Table 5A
Identification of Materials to be Abated and Verification Sample Estimate
Bradley International Airport Terminal B - Concourse A
Windsor Locks, Connecticut

PCB Bulk Product Waste	Locations	Comments	Verification Samples
CC1- Grey Pliable Caulk on Columns	Throughout ground floor along interior of exterior walls of original structure – each side of column	Caulk in contact with porous CMU and non-porous metal I-beams. Bulk material samples collected at distances 0" to 36" beyond contact point. Sample results indicate penetration of PCBs into surrounding CMU to at least 36". Removal will create 200 LF of newly exposed surfaces. Metal I-beams will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	1 sample per 100 LF of newly exposed surfaces. 2 verification samples to be collected.
WCa– beige pliable caulk	Throughout interior & exterior of concourse on window systems, doors & vents *(mainly ground floor)*	Caulk is in contact with porous CMU block, concrete, brick, glazed block, ceramic tile and non-porous metal window/door components and slate window sills. Bulk material samples were collected at distances 0" to 6" beyond contact point. Sample results indicated no penetration of PCBs into surrounding porous substrates. Removal will create 610 LF of newly exposed surfaces. Metal window/door components and slate window sills will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	1 sample per 100 LF of newly exposed surfaces. 7 verification samples to be collected.
C12 - grey hard layered brittle caulk	Exterior – joints in bridge area	Caulk is in contact with porous brick. Bulk material samples were collected at distances 0" to 3" beyond contact point. Sample results indicated no penetration of PCBs into surrounding porous substrates. Removal will create 240 LF of newly exposed surfaces.	1 sample per 100 LF of newly exposed surfaces. 3 verification samples to be collected.
State Regulated PCB Material	**Locations**	**Comments**	**Verification Samples**
C5- Black Pliable Caulk on Ceramic Wall Tile	Ground floor – janitor closet across from G06	Caulk in contact with porous sheetrock and ceramic tile. Bulk material sampling indicates no penetration into porous sheetrock or ceramic tile surface at point of contact.	None

*EPA PCB impacted substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

Table 5A
Identification of Materials to be Abated and Verification Sample Estimate
Bradley International Airport Terminal B - Concourse A
Windsor Locks, Connecticut

State Regulated PCB Material	Locations	Comments	Verification Samples
C8 - Dark gray crumbly soft daub under 4" metal windowsill	Ground floor – W1 window systems – under metal window sills	Caulk in contact with porous brick and non-porous metal window sill. Bulk material sampling indicates no penetration into porous brick surface at point of contact and metal window sill will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
C9 - Light grey, hard flexible caulk	Ground floor – W1 window systems – around windows	Caulk in contact with porous brick and non-porous metal window components. WCa is found in all locations where C9 is in contact with brick substrate, so WCa verification sampling scheme will be followed. No additional verification samples will be taken for C9. Metal window components will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
C10 - Silver brittle crumbly caulk *(inseparable from C9)*	Ground floor – W1 window systems – around windows	Caulk in contact with non-porous metal window components. Metal window components will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
WG1 - Interior Grey Pliable Glaze on 4x4 Windows	Exterior – windows &W1 window systems	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as PCB Bulk Product Waste*.	None

*EPA PCB impacted substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

Table 5B
Identification of Materials to be Abated and Verification Sample Estimate
Bradley International Airport Terminal B - Concourse B
Windsor Locks, Connecticut

PCB Bulk Product Waste	Locations	Comments	Verification Samples
CC1- Grey Pliable Caulk on Columns	Throughout concourse along interior of exterior walls	Caulk in contact with porous CMU and non-porous metal I-beams. Bulk material samples collected at distances 0" to 36" beyond contact point. Sample results indicate penetration of PCBs into surrounding CMU to at least 36". Removal will create 200 LF of newly exposed surfaces. Metal I-beams will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	1 sample per 100 LF of newly exposed surfaces. 2 verification samples to be collected.
C4 - grey hard surface semi-flexible caulk	Exterior of W1&W4 window systems, doors & east windows	Caulk is in contact with porous concrete and brick and non-porous metal window/door components. Bulk material samples were collected at distances 0" to 6" beyond contact point. Sample results indicate no penetration of PCBs into surrounding concrete past 6". Sample results indicate no penetration of PCBs into surrounding brick past 3". Removal will create 550 LF of newly exposed surfaces. Metal window/door components will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	1 sample per 100 LF of newly exposed surfaces. 6 verification samples to be collected.
C8 - Dark gray hard (slight flex) caulk (around old marble lower window panes)	W4 window systems – on exterior of lower marble panels	Caulk is in contact with porous brick and non-porous metal window components and lower marble panels. Bulk material samples were collected at distances 0" to 3" beyond contact point. Sample results indicate no penetration of PCBs into surrounding brick past 3". Removal will create 200 LF of newly exposed surfaces. Metal window components and lower marble panels will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	1 sample per 100 LF of newly exposed surfaces. 2 verification samples to be collected.
C1 - beige pliable interior door caulk	Room 147 – door/window frame	Caulk in contact with non-porous metal window/door components. Metal window/door components will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None

*EPA PCB impacted substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

Table 5B
Identification of Materials to be Abated and Verification Sample Estimate
Bradley International Airport Terminal B - Concourse B
Windsor Locks, Connecticut

PCB Bulk Product Waste	Locations	Comments	Verification Samples
WG2 - black flex-putty glaze on new windows	Exterior of TWA holdroom (North)	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as PCB Bulk Product Waste*.	None
WG3 - white outer/gray inner window glaze *(inseparable from WG4)*	W4 window systems – covering WG4 in various locations	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as PCB Bulk Product Waste*.	None
WG4 - dark gray (slight silverish) glaze on windows	W4 window systems	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as PCB Bulk Product Waste*.	None
State Regulated PCB Material	**Locations**	**Comments**	**Verification Samples**
C2 - interior tan putty-like window caulk	Throughout – on interior/exterior of windows, doors & vents	Caulk in contact with porous CMU, concrete and brick and non-porous metal/door window components and slate window sills. Bulk material sampling indicates no penetration into porous CMU, concrete or brick surface at point of contact. C4 is found in multiple locations where C2 is in contact with brick substrate, so C4 verification sampling scheme will be followed in these areas. No additional verification samples will be taken for C2. Metal window/door components and slate window sills will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
C3 - white flexible caulk	Interior – Room 130, 124 B &B20 boarding ramp Exterior – joint outside utility room	Caulk in contact with porous brick and CMU and non-porous metal radiator/door components. Bulk material sampling indicates no penetration into porous brick or CMU surface at point of contact and metal radiator/door components will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None

*EPA PCB impacted substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

Table 5B
Identification of Materials to be Abated and Verification Sample Estimate
Bradley International Airport Terminal B - Concourse B
Windsor Locks, Connecticut

State Regulated PCB Material	Locations	Comments	Verification Samples
C5 - brittle silver caulk (white flakes visible)	W1 windows systems – around exterior	Caulk in contact with porous brick and non-porous metal/door window components. C4 is found in all locations where C5 is in contact with brick substrate, so C4 verification sampling scheme will be followed. No additional verification samples will be taken for C5. Metal window/door components will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
C6 - Dark gray crumbly soft (daub) caulk under 4" metal window sill	W1 windows systems – under exterior window sill	Caulk in contact with porous brick and non-porous metal window sill. Bulk material sampling indicates no penetration into porous brick surface at point of contact and metal window sill will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
C10 - light grey very flexible (powder snap) caulk	Interior & exterior of 2 windows on east end of TWA holdroom& at B20 boarding ramp entrance	Caulk in contact with porous sheetrock and brick and non-porous metal/door window components. Bulk material sampling indicates no penetration into porous sheetrock surface at point of contact. C4 is found in all locations where C10 is in contact with brick substrate, so C4 verification sampling scheme will be followed. No additional verification samples will be taken for C10. Metal window/door components will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
C11 - light flex caulk on ground concrete slab seams	Exterior – outside utility room	Caulk in contact with porous asphalt. Bulk material sampling indicates no penetration into porous asphalt surface at point of contact.	None
WG1 - interior and exterior gray brittle window glaze	W1 window systems	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as PCB Bulk Product Waste*.	None

*EPA PCB impacted substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

Table 5B
Identification of Materials to be Abated and Verification Sample Estimate
Bradley International Airport Terminal B - Concourse B
Windsor Locks, Connecticut

State Regulated PCB Material	Locations	Comments	Verification Samples
SI1 – clear silicone caulk/glaze (over C2&WG1)	W1 window systems (scattered) – covering WG1 & C2	Caulk in contact with non-porous metal window and door components. Metal window components will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None

*EPA PCB impacted substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

Table 5C
Identification of Materials to be Abated and Verification Sample Estimate
Bradley International Airport Terminal B - IAB
Windsor Locks, Connecticut

PCB Bulk Product Waste	Locations	Comments	Verification Samples
C2-grey flexible caulk	Throughout the interior & exterior of the building on floor joints ,wall joints, columns, windows, etc.	Caulk in contact with porous concrete, concrete with small stone, CMU, brick and grout (between non-porous slate/stone tiles) and non-porous metal door, window and roof flashing components. Bulk material samples collected at distances 0" to 20" beyond contact point. Sample results indicate no penetration of PCBs into surrounding concrete past 3". Sample results indicate no penetration of PCBs into surrounding concrete with small stone past 6". Sample results indicate no penetration of PCBs into surrounding brick past 16". Sample results indicate no penetration of PCBs into surrounding CMU past 12". Sample results indicate no penetration of PCBs into surrounding grout (between non-porous slate/stone tiles) past 3". Removal will create 10,100 LF of newly exposed surfaces. Metal door, window and roof flashing components will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	1 sample per 100 LF of newly exposed surfaces. 101 verification samples to be collected.
WG1-brown semi pliable, crumbly window glaze	Ground floor – exterior of some windows, 1st floor – exterior of WG1 window systems & upper windows	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as PCB Bulk Product Waste*.	None
C4B-brown exterior real flexible caulk	Ground floor – various components on the interior/exterior of ground floor	Caulk is in contact with porous concrete and brick and non-porous metal window, door and vent components. Bulk material samples were collected at distances 0" to 20" beyond contact point. Sample results indicate no penetration of PCBs into surrounding concrete past 3". Sample results indicate no penetration of PCBs into surrounding brick past 16". Removal will create 315 LF of newly exposed surfaces. Metal window, door and vent components will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	1 sample per 100 LF of newly exposed surfaces. 4 verification samples to be collected.
WG4-brown putty glaze in overhang windows	1st floor – exterior overhang (facing down) on each end of building	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as PCB Bulk Product Waste*.	None

*EPA PCB impacted substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

Table 5C
Identification of Materials to be Abated and Verification Sample Estimate
Bradley International Airport Terminal B - IAB
Windsor Locks, Connecticut

State Regulated PCB Material	Locations	Comments	Verification Samples
C3-hard semi-flex caulk (brownish-dirty grey)	Throughout interior/exterior of building on windows, doors & joints	Caulk in contact with porous concrete, brick and grout (next to non-porous slate/stone tiles) and non-porous metal door, window and miscellaneous components. Bulk material sampling indicates no penetration into porous concrete, brick and grout surface at point of contact. Metal door, window and miscellaneous components will be disposed of as Connecticut Regulated Waste (CR01-PCBs) or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
WG1A-brown semi pliable glaze on interior of WG1 windows	Ground floor – interior of some windows, 1st floor – interior of WG1 window systems & upper windows	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as PCB Bulk Product Waste*.	None
C4A-brown powdery exterior real flexible caulk	Ground floor – on window exterior to baggage claim 4	Caulk in contact with metal window components. Metal window components will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2..	None
C4D – dark brown flexible caulk	1st floor – interior/exterior of Entry 1 & 2, exterior of former entry (between entry 1 &2)	Caulk in contact with porous brick and non-porous metal door components. Bulk material sampling indicates no penetration into porous brick surface at point of contact and metal door components will be disposed of as Connecticut Regulated Waste (CR01-PCBs) or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
C5-brown sticky slight flex caulk	Ground floor – hall outside room 168 and on exterior side of TSA lobby door	Caulk in contact with porous brick and non-porous metal door components. Bulk material sampling indicates no penetration into porous brick surface at point of contact and metal door components will be disposed of as Connecticut Regulated Waste (CR01-PCBs) or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None

*EPA PCB impacted substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

Table 5C
Identification of Materials to be Abated and Verification Sample Estimate
Bradley International Airport Terminal B - IAB
Windsor Locks, Connecticut

State Regulated PCB Material	Locations	Comments	Verification Samples
C6-white fibrous putty-like caulk	Ground floor – on windows exterior of TSA	Caulk in contact with metal window components. Metal window components will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
WG3-brown putty sticky window glaze	Ground floor – on interior of windows in room 167, 171, 171A, 172A& 172	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as PCB Bulk Product Waste*.	None
C7-cream hard brittle caulk	Upper entry roof – wall/roof joint, Lower entry roof – west corner	Caulk in contact with porous brick and non-porous metal roof flashing components. Bulk material sampling indicates no penetration into porous brick surface at point of contact and metal roof flashing components will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2. C2 is found in multiple locations where C7 is in contact with brick substrate, so C2 verification sampling scheme will be followed in these areas. No additional verification samples will be taken for C7.	None
C8- hard mauve caulk	1st floor –on upper area sides of doors/windows in public corridor (interior/exterior)	Caulk in contact with porous brick and concrete and non-porous metal door components. Bulk material sampling indicates no penetration into porous brick or concrete surface at point of contact and metal door components will be disposed of as Connecticut Regulated Waste (CR01-PCBs) or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
WG5-black putty window glaze	1st floor – area 3	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as Connecticut Regulated Waste (CR01-PCBs) at a landfill permitted to receive such wastes.	None
DWG2-black putty door window glaze	Ground floor – room 8D & end of B22 boarding ramp	Glazing in contact with glass window and non-porous metal door. Whole door will be disposed of as Connecticut Regulated Waste (CR01-PCBs) at a landfill permitted to receive such wastes.	None

*EPA PCB impacted substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

Table 5D
Identification of Materials to be Abated and Verification Sample Estimate
Bradley International Airport Terminal B – Murphy Terminal
Windsor Locks, Connecticut

PCB Bulk Product Waste	Locations	Comments	Verification Samples
C23 - stretchy light brown caulk	1st floor – on window units exterior to wicked subs	Caulk in contact with glass window and non-porous metal window sash and window components. Whole window and metal window components will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
WG4 – flexible grey glaze on 5'x7' metal windows	1st floor – WG4/WG12 window wall panel system in wicked subs, WS1 and paradies, 2nd floor – Northwest windows	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as PCB Bulk Product Waste*.	None
WG12 – black putty window glaze	2nd floor – Northwest & Northeast windows	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as PCB Bulk Product Waste*.	None
WG16-silver slightly flexible window glaze	1st floor – WG4/WG12 window wall panel system in wicked subs, WS1 and paradies, 2nd floor – Northwest & Northeast windows	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as PCB Bulk Product Waste*.	None
WCa– beige pliable caulk *(Concourse A)*	Ground floor – around windows in delta baggage claim& south escalator, 1st floor – public corridor D	Caulk is in contact with porous CMU, concrete and brick and non-porous metal window components and slate window sill. Bulk material samples were collected at distances 0" to 6" beyond contact point. Sample results indicated no penetration of PCBs into surrounding porous substrates. Removal will create 90 LF of newly exposed surfaces. Metal components will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	1 sample per 100 LF of newly exposed surfaces. 1 verification samples to be collected.
C2-grey flexible caulk *(IAB)*	1st floor – on columns in public corridor A & exterior to host lounge 14 around window system	Caulk in contact with porous concrete and non-porous metal window and roof flashing components. Bulk material samples collected at distances 0" to 12" beyond contact point. Sample results indicate no penetration of PCBs into surrounding concrete past 3". Removal will create 180 LF of newly exposed surfaces. Metal window and roof flashing components will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	1 sample per 100 LF of newly exposed surfaces. 2 verification samples to be collected.

*EPA PCB impacted substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

Table 5D
Identification of Materials to be Abated and Verification Sample Estimate
Bradley International Airport Terminal B – Murphy Terminal
Windsor Locks, Connecticut

State Regulated PCB Material	Locations	Comments	Verification Samples
C1 – hard brittle light brown caulk	Ground floor – PCA (on deck)	Caulk in contact with porous concrete. Bulk material sampling indicates no penetration into porous concrete surface at point of contact.	None
C2 – old tan pliable caulk	Basement– vents & windows throughout Ground floor – windows, doors & vents in rooms 67, 68, 68A, along viaduct switch room area, customs 5 & room 73 1st floor– 20/30's office area windows	Caulk in contact with porous brick, CMU and concrete and non-porous metal window, door and vent components. Bulk material sampling indicates no penetration into porous brick, CMU or concrete surface at point of contact and metal window, door and vent components will be disposed of as Connecticut Regulated Waste (CR01-PCBs) or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
C3 – grey flexible caulk	Basement-around double doors to loading dock, Ground floor-room 10, 13 & hall G on wall joints & doors	Caulk in contact with porous brick and CMU and non-porous metal door components. Bulk material sampling indicates no penetration into porous brick and CMU surface at point of contact and metal door components will be disposed of as Connecticut Regulated Waste (CR01-PCBs) or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
C7 – slight flexible light brown caulk	1st floor PCA -doorway near IAB on joints	Caulk in contact with porous brick and non-porous metal door components. Bulk material sampling indicates no penetration into porous brick surface at point of contact and metal door components will be disposed of as Connecticut Regulated Waste (CR01-PCBs) or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
C8 – tan/grey interior, hard exterior caulk	Basement-closet next to disposal room, Ground floor- exterior windows outside delta baggage claim, 1st floor – windows of 20/30's office area & exterior of escalator lobby 1	Caulk in contact with porous brick, CMU and concrete and non-porous metal window/door components. Bulk material sampling indicates no penetration into porous brick, CMU or concrete surface at point of contact and metal window/door components will be disposed of as Connecticut Regulated Waste (CR01-PCBs) or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None

*EPA PCB impacted substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

Table 5D
Identification of Materials to be Abated and Verification Sample Estimate
Bradley International Airport Terminal B – Murphy Terminal
Windsor Locks, Connecticut

State Regulated PCB Material	Locations	Comments	Verification Samples
C12 – tan, hard pliable putty caulk	Basement – doors & vents in room 149 corridor	Caulk in contact with porous brick and concrete and non-porous metal door and vent components. Bulk material sampling indicates no penetration into porous concrete or brick surface at point of contact and metal door and vent components will be disposed of as Connecticut Regulated Waste (CR01-PCBs) or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
C13 – white, hard semi-pliable caulk	Control tower – on exterior metal wall panels	Caulk in contact with non-porous metal panels. Metal panels will be disposed of as Connecticut Regulated Waste (CR01-PCBs) or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
C15 – tan putty-like caulk w/ noticeable odor	Ground floor – exterior overhang outside delta baggage claim, 1st floor – Penthouse – on windows, doors & vents throughout	Caulk in contact with porous brick, CMU, finished block and concrete and non-porous metal door/window/vent/miscellaneous components. Bulk material sampling indicates no penetration into porous brick, CMU, finished block or concrete surface at point of contact and metal door/window/vent/miscellaneous components will be disposed of as Connecticut Regulated Waste (CR01-PCBs) or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
C20 - Hard brittle white caulk	Basement – interior/exterior of room 155A	Caulk in contact with porous concrete and plywood. Bulk material sampling indicates no penetration into porous concrete surface at point of contact. Porous plywood will be disposed of as Connecticut Regulated Waste (CR01-PCBs).	None
C21 Dark gray wavy caulk under metal window sill (only on edge)	Basement –room 155A, 1st floor – sam adams& Public Corridor D	Caulk in contact with porous brick and non-porous metal window components. Bulk material sampling indicates no penetration into porous brick surface at point of contact and metal window components will be disposed of as Connecticut Regulated Waste (CR01-PCBs) or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None

*EPA PCB impacted substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

Table 5D
Identification of Materials to be Abated and Verification Sample Estimate
Bradley International Airport Terminal B – Murphy Terminal
Windsor Locks, Connecticut

State Regulated PCB Material	Locations	Comments	Verification Samples
C25 - Brittle silver caulk behind metal window panels	1st floor – WG4/WG12 window wall panel system on windows, seams & joints	Caulk in contact with glass window and non-porous metal window components. Metal window components will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
C26 - stretchy sticky gray caulk on AA addition	1st floor – on windows exterior to rooms 62A-C and 30B	Caulk in contact with glass window and non-porous metal window components. Metal window components will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
C32-beige brittle caulk	1st floor – on joints exterior to host lounge 14	Caulk in contact with porous brick and concrete and non-porous metal window components. Bulk material sampling indicates no penetration into porous brick or concrete surface at point of contact and metal window components will be disposed of as Connecticut Regulated Waste (CR01-PCBs) or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
C33-tan brittle (w/greyish exterior) caulk	1st floor – on joints & windows exterior to host lounge 14	Caulk in contact with porous concrete and non-porous metal window components. Bulk material sampling indicates no penetration into porous concrete surface at point of contact and metal window components will be disposed of as Connecticut Regulated Waste (CR01-PCBs) or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
WG1 – black putty interior window glaze	Basement–room 157, 1st floor – escalator lobby 1	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as Connecticut Regulated Waste (CR01-PCBs).	None
WG1A – grey putty interior glaze	Ground floor - PCA	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as Connecticut Regulated Waste (CR01-PCBs).	None

*EPA PCB impacted substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

Table 5D
Identification of Materials to be Abated and Verification Sample Estimate
Bradley International Airport Terminal B – Murphy Terminal
Windsor Locks, Connecticut

State Regulated PCB Material	Locations	Comments	Verification Samples
WG2 – hard grey glaze on int. double pane metal windows	1st floor – 20/30's office area, 4th floor - throughout	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as Connecticut Regulated Waste (CR01-PCBs).	None
WG5 - hard white glaze on metal windows	Basement – room 155/155A, 2nd floor&3rd floor– throughout	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as Connecticut Regulated Waste (CR01-PCBs).	None
WG6 – black putty glaze on 7'x10' metal frame windows	2nd floor – exterior of hall 2C Control tower	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as Connecticut Regulated Waste (CR01-PCBs).	None
WG7 – grey putty glaze on 7'x10' metal frame windows	Control tower	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as Connecticut Regulated Waste (CR01-PCBs).	None
WG14-brown soft crumbly window glaze	1st floor –exterior to host lounge 14	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as Connecticut Regulated Waste (CR01-PCBs).	None
DWG1 – black putty door window glaze	Ground floor–public concourse A & delta baggage claim, 1st floor–public corridor C, 2nd floor–stair D, 3rd floor–room 81 & hall D1, penthouse	Glazing in contact with glass door window and non-porous metal door. Whole door will be disposed of as Connecticut Regulated Waste (CR01-PCBs).	None
DWG4 – grey putty door window glaze	Basement – room 155A, Ground floor – room 3D, 24, 24 hallway, 3C, hall G, hallway outside room 69, BAD 2, , 1st floor – room 54B, stair lobby 1, 25, 26, 36, 37, 2nd floor – stair D, hall outside room 209, airport admin 1,4th floor–room 83, stairwell entrance	Glazing in contact with glass door window and non-porous metal door. Whole door will be disposed of as Connecticut Regulated Waste (CR01-PCBs).	None

*EPA PCB impacted substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

Table 5D
Identification of Materials to be Abated and Verification Sample Estimate
Bradley International Airport Terminal B – Murphy Terminal
Windsor Locks, Connecticut

State Regulated PCB Material	Locations	Comments	Verification Samples
WG5A - hard grey window glaze (thick on interior)	3rd floor – room 80 &80A	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as Connecticut Regulated Waste (CR01-PCBs).	None
C36 – thin beads of white flexible caulk	1st floor – exterior of wicked subs on window units	Caulk in contact with glass window and non-porous metal window sash and window components. Whole window and metal window components will be disposed of as PCB Bulk Product Waste* or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
SI1 – silver silicone	2nd floor – Penthouse – scattered locations over other window glazings & caulks	Caulk in contact with porous concrete, brick and CMU and non-porous metal window components. Bulk material sampling indicates no penetration into porous concrete, brick or CMU surface at point of contact and metal window components will be disposed of as Connecticut Regulated Waste (CR01-PCBs) or the caulk will be removed to visual standards consistent with NACE Standard No. 2.	None
C11 - light flex caulk on ground concrete slab seams *(Concourse B)*	Ground floor – exterior of delta baggage claim	Caulk in contact with porous asphalt and concrete. Bulk material sampling indicates no penetration into porous asphalt or conrete surface at point of contact.	None
WG1 - Interior Grey Pliable Glaze on 4x4 Windows *(Concourse A)*	Ground floor – delta baggage claim, 1st floor – public corridor D	Glazing in contact with glass window and non-porous metal window sash. Whole window will be disposed of as Connecticut Regulated Waste (CR01-PCBs).	None

*EPA PCB impacted substrates characterized as Bulk Product Waste under EPA Waste Disposal Interpretation October 24, 2012.

FIGURES

TRC
21 Griffin Road North
Windsor, CT
Phone: 860.298.9692

CONNDOT - BRADLEY INTERNATIONAL AIRPORT
TERMINAL B - WINDSOR, CT

FIGURE 1
SITE LOCATION MAP

DATE: 10/2013	PROJECT NO.183572.4445.0720

APPENDIX A

Bulk Sample Analytical Data Reports

Report Date:
03-Dec-12 17:13

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: BIA-Terminal B-Concourse A-Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB60132-01	1A	Caulk/Glaze	06-Nov-12 08:07	15-Nov-12 15:00
SB60132-02	1B	Caulk/Glaze	06-Nov-12 08:20	15-Nov-12 15:00
SB60132-03	1C	Caulk/Glaze	06-Nov-12 08:50	15-Nov-12 15:00
SB60132-04	2A	Caulk/Glaze	06-Nov-12 08:34	15-Nov-12 15:00
SB60132-05	2B	Caulk/Glaze	06-Nov-12 09:54	15-Nov-12 15:00
SB60132-06	2C	Caulk/Glaze	06-Nov-12 10:02	15-Nov-12 15:00
SB60132-07	3A	Caulk/Glaze	06-Nov-12 10:11	15-Nov-12 15:00
SB60132-08	3B	Caulk/Glaze	06-Nov-12 10:15	15-Nov-12 15:00
SB60132-09	3C	Caulk/Glaze	06-Nov-12 10:20	15-Nov-12 15:00
SB60132-10	4A	Caulk/Glaze	06-Nov-12 10:43	15-Nov-12 15:00
SB60132-11	4B	Caulk/Glaze	14-Nov-12 08:50	15-Nov-12 15:00
SB60132-12	4C	Caulk/Glaze	14-Nov-12 08:50	15-Nov-12 15:00
SB60132-13	05A	Caulk/Glaze	06-Nov-12 11:48	15-Nov-12 15:00
SB60132-14	05B	Caulk/Glaze	06-Nov-12 11:57	15-Nov-12 15:00
SB60132-15	06A	Caulk/Glaze	06-Nov-12 13:22	15-Nov-12 15:00
SB60132-16	06B	Caulk/Glaze	06-Nov-12 13:34	15-Nov-12 15:00
SB60132-17	06C	Caulk/Glaze	06-Nov-12 13:58	15-Nov-12 15:00
SB60132-18	07A	Caulk/Glaze	06-Nov-12 14:13	15-Nov-12 15:00
SB60132-19	07B	Caulk/Glaze	06-Nov-12 14:17	15-Nov-12 15:00
SB60132-20	08A	Caulk/Glaze	06-Nov-12 14:31	15-Nov-12 15:00
SB60132-21	08B	Caulk/Glaze	06-Nov-12 14:45	15-Nov-12 15:00
SB60132-22	09A	Caulk/Glaze	06-Nov-12 15:03	15-Nov-12 15:00
SB60132-23	09B	Caulk/Glaze	06-Nov-12 15:00	15-Nov-12 15:00
SB60132-24	09C	Caulk/Glaze	06-Nov-12 15:07	15-Nov-12 15:00
SB60132-25	10A	Caulk/Glaze	07-Nov-12 08:06	15-Nov-12 15:00
SB60132-26	10B	Caulk/Glaze	07-Nov-12 08:13	15-Nov-12 15:00
SB60132-27	10C	Caulk/Glaze	07-Nov-12 08:16	15-Nov-12 15:00
SB60132-28	11A	Caulk/Glaze	07-Nov-12 08:21	15-Nov-12 15:00
SB60132-29	11B	Caulk/Glaze	07-Nov-12 08:24	15-Nov-12 15:00
SB60132-30	11C	Caulk/Glaze	07-Nov-12 08:25	15-Nov-12 15:00
SB60132-31	12A	Caulk/Glaze	07-Nov-12 08:53	15-Nov-12 15:00
SB60132-32	12B	Caulk/Glaze	07-Nov-12 08:55	15-Nov-12 15:00
SB60132-33	13A	Caulk/Glaze	07-Nov-12 09:56	15-Nov-12 15:00
SB60132-34	13B	Caulk/Glaze	07-Nov-12 09:58	15-Nov-12 15:00
SB60132-35	13C	Caulk/Glaze	07-Nov-12 10:00	15-Nov-12 15:00
SB60132-36	14A	Caulk/Glaze	07-Nov-12 10:33	15-Nov-12 15:00
SB60132-37	14B	Caulk/Glaze	07-Nov-12 10:36	15-Nov-12 15:00

SB60132-38	14C	Caulk/Glaze	07-Nov-12 10:40	15-Nov-12 15:00
SB60132-39	15A	Caulk/Glaze	07-Nov-12 11:22	15-Nov-12 15:00
SB60132-40	15B	Caulk/Glaze	07-Nov-12 11:25	15-Nov-12 15:00
SB60132-41	15C	Caulk/Glaze	07-Nov-12 11:30	15-Nov-12 15:00
SB60132-42	16A	Caulk/Glaze	07-Nov-12 11:37	15-Nov-12 15:00
SB60132-43	16B	Caulk/Glaze	07-Nov-12 11:39	15-Nov-12 15:00

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

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

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 66 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

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

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: BIA-Terminal B-Concourse A-Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
11/14/2012 through 11/7/2012

Laboratory Sample ID(s):
SB60132-01 through SB60132-43

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	Yes	✓ No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 12/3/2012

CASE NARRATIVE:

The samples were received 2.2 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.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

December 3, 2012 Case Narrative:

The samples in this work order were originally extracted by method SW846 3545A, ASE, for PCB analysis. Although this method is in compliance with CT DEP RCP procedures the chain of custody requested the samples be extracted by method SW846 3540C, soxhlet.

The samples were re-extracted past the CT RCP PCB method hold time of 14 days. The soxhlet extraction uses a lower initial volume of weight for caulking material because this matrix tends to cause issues with the apparatus and introduces interferences.

Both sets of data from the two extractions are reported. Some samples report data with high RDP values because it is difficult to get a homogenous aliquot of caulking material. SB60132-42 is an example of this and the analyst noted there different colors of material in the jar resulting in a non-homogenous matrix.

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

SW846 8082A

Spikes:

1229092-MS1 *Source: SB60132-43RE1*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

1229092-MSD1 *Source: SB60132-43RE1*

SW846 8082A

Spikes:

1229092-MSD1 *Source: SB60132-43RE1*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

Duplicates:

1229090-DUP1 *Source: SB60132-12RE1*

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

Aroclor-1254 [2C]

1229092-DUP1 *Source: SB60132-43RE1*

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

Aroclor-1260
Aroclor-1260 [2C]
Aroclor-1262
Aroclor-1262 [2C]
Aroclor-1268
Aroclor-1268 [2C]

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

Samples:

SB60132-01 *1A*

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

SB60132-01RE1 *1A*

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.

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

SB60132-02 *1B*

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

SB60132-02RE1 *1B*

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.

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

SB60132-03 *1C*

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

SB60132-03RE1 *1C*

SW846 8082A

Samples:

SB60132-03RE1 *1C*

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.

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

SB60132-04RE1 *2A*

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.

SB60132-05RE1 *2B*

40 CFR part136 and SW846-8082 referenee 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.

SB60132-06RE1 *2C*

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.

SB60132-07RE1 *3A*

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.

SB60132-08RE1 *3B*

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.

SB60132-09RE1 *3C*

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 produet samples.

SB60132-10 *4A*

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

SB60132-10RE1 *4A*

40 CFR part136 and SW846-8082 referenee 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.

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

SB60132-13RE1 *05A*

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.

SB60132-14RE1 *05B*

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.

SB60132-15 *06A*

SW846 8082A

Samples:

SB60132-15 *06A*

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

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

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

SB60132-15RE1 *06A*

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

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

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

SB60132-16 *06B*

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

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

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

SB60132-16RE1 *06B*

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

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

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

SB60132-17 *06C*

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

SB60132-17RE1 *06C*

SW846 8082A

Samples:

SB60132-17RE1 *06C*

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

SB60132-18 *07A*

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

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SB60132-18RE1 *07A*

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.

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

2,4,5,6-TC-M-Xylene (IS)
2,4,5,6-TC-M-Xylene (IS) [2C]
4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB60132-19RE1 *07B*

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.

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

SB60132-20 *08A*

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

Aroclor-1260
Aroclor-1262
Aroclor-1268

SB60132-20RE1 *08A*

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:

SB60132-20RE1 *08A*

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

2,4,5,6-TC-M-Xylene (IS)
2,4,5,6-TC-M-Xylene (IS) [2C]
4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SB60132-21 *08B*

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

Aroclor-1260
Aroclor-1262
Aroclor-1268

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SB60132-21RE1 *08B*

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

Aroclor-1260
Aroclor-1262
Aroclor-1268

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SB60132-22 *09A*

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

Aroclor-1260
Aroclor-1262
Aroclor-1268

SB60132-23 *09B*

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

Aroclor-1260
Aroclor-1262
Aroclor-1268

SB60132-25 *10A*

SW846 8082A

Samples:

SB60132-25 *10A*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB60132-26 *10B*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB60132-27 *10C*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB60132-31 *12A*

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

SB60132-31RE1 *12A*

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

SB60132-32 *12B*

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

SB60132-32RE1 *12B*

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

SB60132-33 *13A*

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

SW846 8082A

Samples:

SB60132-33RE1 *13A*

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

SB60132-34 *13B*

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

SB60132-34RE1 *13B*

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

SB60132-35 *13C*

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

SB60132-35RE1 *13C*

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

SB60132-36 *14A*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SB60132-36RE1 *14A*

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

SB60132-37RE1 *14B*

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

SB60132-38 *14C*

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

SB60132-38RE1 *14C*

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

SB60132-39RE1 *15A*

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.

SB60132-41RE1 *15C*

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.

SB60132-42RE1 *16A*

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:

SB60132-42RE1 *16A*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248

SB60132-43RE1 *16B*

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.

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

Aroclor-1260
Aroclor-1262
Aroclor-1268

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1A SB60132-01	183572.4445.0710	Caulk/Glaze	06-Nov-12 08:07	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 991		µg/kg dry	991	495	1	SW846 8082A	19-Nov-12	21-Nov-12	IMR	1228470	X
11104-28-2	Aroclor-1221	< 991		µg/kg dry	991	893	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 991		µg/kg dry	991	636	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 991		µg/kg dry	991	584	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 991		µg/kg dry	991	486	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 991		µg/kg dry	991	727	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 991		µg/kg dry	991	380	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 991		µg/kg dry	991	923	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 991		µg/kg dry	991	311	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*35*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			PCB, R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1000		µg/kg dry	1000	500	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229090	X
[illegible]8-2	Aroclor-1221	< 1000		µg/kg dry	1000	902	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1000		µg/kg dry	1000	643	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1000		µg/kg dry	1000	590	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1000		µg/kg dry	1000	491	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 1000		µg/kg dry	1000	734	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1000		µg/kg dry	1000	384	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1000		µg/kg dry	1000	933	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1000		µg/kg dry	1000	314	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228695	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1B SB60132-02	183572.4445.0710	Caulk/Glaze	06-Nov-12 08:20	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 819		µg/kg dry	819	409	1	SW846 8082A	19-Nov-12	21-Nov-12	IMR	1228470	X
11104-28-2	Aroclor-1221	< 819		µg/kg dry	819	738	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 819		µg/kg dry	819	526	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 819		µg/kg dry	819	483	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 819		µg/kg dry	819	402	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 819		µg/kg dry	819	601	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 819		µg/kg dry	819	314	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 819		µg/kg dry	819	763	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 819		µg/kg dry	819	257	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*35*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			PCB, R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 840		µg/kg dry	840	420	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229090	X
11104-28-2	Aroclor-1221	< 840		µg/kg dry	840	757	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 840		µg/kg dry	840	539	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 840		µg/kg dry	840	495	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 840		µg/kg dry	840	412	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 840		µg/kg dry	840	616	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 840		µg/kg dry	840	322	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 840		µg/kg dry	840	783	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 840		µg/kg dry	840	264	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*30*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.3		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228695	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC SB60132-03	183572.4445.0710	Caulk/Glaze	06-Nov-12 08:50	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 352		µg/kg dry	352	176	1	SW846 8082A	19-Nov-12	21-Nov-12	IMR	1228470	X
11104-28-2	Aroclor-1221	< 352		µg/kg dry	352	317	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 352		µg/kg dry	352	226	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 352		µg/kg dry	352	207	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 352		µg/kg dry	352	173	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 352		µg/kg dry	352	258	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 352		µg/kg dry	352	135	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 352		µg/kg dry	352	328	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 352		µg/kg dry	352	110	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			PCB, R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 357		µg/kg dry	357	178	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229090	X
[illegible]8-2	Aroclor-1221	< 357		µg/kg dry	357	321	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 357		µg/kg dry	357	229	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 357		µg/kg dry	357	210	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 357		µg/kg dry	357	175	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 357		µg/kg dry	357	262	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 357		µg/kg dry	357	137	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 357		µg/kg dry	357	332	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 357		µg/kg dry	357	112	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*30*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228695	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
2A SB60132-04	183572.4445.0710	Caulk/Glaze	06-Nov-12 08:34	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 190		µg/kg dry	190	94.7	1	SW846 8082A	19-Nov-12	21-Nov-12	IMR	1228470	X
11104-28-2	Aroclor-1221	< 190		µg/kg dry	190	171	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 190		µg/kg dry	190	122	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 190		µg/kg dry	190	112	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 190		µg/kg dry	190	93.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 190		µg/kg dry	190	139	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 190		µg/kg dry	190	72.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 190		µg/kg dry	190	177	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 190		µg/kg dry	190	59.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 196		µg/kg dry	196	98.1	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229090	X
11104-28-2	Aroclor-1221	< 196		µg/kg dry	196	177	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 196		µg/kg dry	196	126	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 196		µg/kg dry	196	116	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 196		µg/kg dry	196	96.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 196		µg/kg dry	196	144	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 196		µg/kg dry	196	75.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 196		µg/kg dry	196	183	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 196		µg/kg dry	196	61.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228695	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
2B SB60132-05	183572.4445.0710	Caulk/Glaze	06-Nov-12 09:54	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 168		µg/kg dry	168	84.0	1	SW846 8082A	19-Nov-12	21-Nov-12	IMR	1228470	X
11104-28-2	Aroclor-1221	< 168		µg/kg dry	168	152	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 168		µg/kg dry	168	108	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 168		µg/kg dry	168	99.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 168		µg/kg dry	168	82.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 168		µg/kg dry	168	123	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 168		µg/kg dry	168	64.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 168		µg/kg dry	168	157	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 168		µg/kg dry	168	52.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 163		µg/kg dry	163	81.5	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229090	X
[illegible]-2	Aroclor-1221	< 163		µg/kg dry	163	147	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 163		µg/kg dry	163	105	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 163		µg/kg dry	163	96.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 163		µg/kg dry	163	80.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 163		µg/kg dry	163	120	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 163		µg/kg dry	163	62.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 163		µg/kg dry	163	152	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 163		µg/kg dry	163	51.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.8		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228695	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
2C SB60132-06	183572.4445.0710	Caulk/Glaze	06-Nov-12 10:02	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 198		µg/kg dry	198	98.9	1	SW846 8082A	19-Nov-12	21-Nov-12	IMR	1226470	X
11104-28-2	Aroclor-1221	< 198		µg/kg dry	198	178	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 198		µg/kg dry	198	127	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 198		µg/kg dry	198	117	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 198		µg/kg dry	198	97.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 198		µg/kg dry	198	145	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 198		µg/kg dry	198	75.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 198		µg/kg dry	198	184	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 198		µg/kg dry	198	62.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 186		µg/kg dry	186	93.0	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229090	X
11104-28-2	Aroclor-1221	< 186		µg/kg dry	186	168	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 186		µg/kg dry	186	120	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 186		µg/kg dry	186	110	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 186		µg/kg dry	186	91.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 186		µg/kg dry	186	137	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 186		µg/kg dry	186	71.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 186		µg/kg dry	186	173	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 186		µg/kg dry	186	58.5	1	"	"	"	"	"	X
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]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228695	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
3A SB60132-07	183572.4445.0710	Caulk/Glaze	06-Nov-12 10:11	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 190		µg/kg dry	190	95.2	1	SW846 8082A	19-Nov-12	21-Nov-12	IMR	1228470	X
11104-28-2	Aroclor-1221	< 190		µg/kg dry	190	172	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 190		µg/kg dry	190	122	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 190		µg/kg dry	190	112	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 190		µg/kg dry	190	93.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 190		µg/kg dry	190	140	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 190		µg/kg dry	190	73.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 190		µg/kg dry	190	177	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 190		µg/kg dry	190	59.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 194		µg/kg dry	194	96.9	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229090	X
[illegible]-2	Aroclor-1221	< 194		µg/kg dry	194	175	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 194		µg/kg dry	194	124	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 194		µg/kg dry	194	114	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 194		µg/kg dry	194	95.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 194		µg/kg dry	194	142	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 194		µg/kg dry	194	74.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 194		µg/kg dry	194	181	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 194		µg/kg dry	194	60.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.8		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228695	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
3B SB60132-08	183572.4445.0710	Caulk/Glaze	06-Nov-12 10:15	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 191		µg/kg dry	191	95.5	1	SW846 8082A	19-Nov-12	21-Nov-12	IMR	1228470	X
11104-28-2	Aroclor-1221	< 191		µg/kg dry	191	172	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 191		µg/kg dry	191	123	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 191		µg/kg dry	191	113	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 191		µg/kg dry	191	93.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 191		µg/kg dry	191	140	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 191		µg/kg dry	191	73.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 191		µg/kg dry	191	178	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 191		µg/kg dry	191	60.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 197		µg/kg dry	197	98.4	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229090	X
11104-28-2	Aroclor-1221	< 197		µg/kg dry	197	177	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 197		µg/kg dry	197	126	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 197		µg/kg dry	197	116	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 197		µg/kg dry	197	96.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 197		µg/kg dry	197	144	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 197		µg/kg dry	197	75.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 197		µg/kg dry	197	183	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 197		µg/kg dry	197	61.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.1		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228695	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
3C SB60132-09	183572.4445.0710	Caulk/Glaze	06-Nov-12 10:20	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 178		µg/kg dry	178	89.1	1	SW846 8082A	19-Nov-12	21-Nov-12	IMR	1228470	X
11104-28-2	Aroclor-1221	< 178		µg/kg dry	178	161	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 178		µg/kg dry	178	114	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 178		µg/kg dry	178	105	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 178		µg/kg dry	178	87.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 178		µg/kg dry	178	131	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 178		µg/kg dry	178	68.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 178		µg/kg dry	178	166	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 178		µg/kg dry	178	56.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			PCB										
Prepared by method SW846 3540C													
[illegible]11-2	Aroclor-1016	< 173		µg/kg dry	173	86.6	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229090	X
[illegible]28-2	Aroclor-1221	< 173		µg/kg dry	173	156	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 173		µg/kg dry	173	111	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 173		µg/kg dry	173	102	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 173		µg/kg dry	173	85.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 173		µg/kg dry	173	127	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 173		µg/kg dry	173	66.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 173		µg/kg dry	173	161	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 173		µg/kg dry	173	54.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.8		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228695	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
4A SB60132-10	183572.4445.0710	Caulk/Glaze	06-Nov-12 10:43	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 400		µg/kg dry	400	200	1	SW846 8082A	19-Nov-12	21-Nov-12	IMR	1228470	X
11104-28-2	Aroclor-1221	< 400		µg/kg dry	400	360	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 400		µg/kg dry	400	257	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 400		µg/kg dry	400	235	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 400		µg/kg dry	400	196	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 400		µg/kg dry	400	293	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 400		µg/kg dry	400	153	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 400		µg/kg dry	400	372	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 400		µg/kg dry	400	125	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			PCB, R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 385		µg/kg dry	385	192	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229090	X
11104-28-2	Aroclor-1221	< 385		µg/kg dry	385	347	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 385		µg/kg dry	385	247	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 385		µg/kg dry	385	227	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 385		µg/kg dry	385	189	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 385		µg/kg dry	385	283	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 385		µg/kg dry	385	148	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 385		µg/kg dry	385	359	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 385		µg/kg dry	385	121	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.4		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228695	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
4B SB60132-11	183572.4445.0710	Caulk/Glaze	14-Nov-12 08:50	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 202		µg/kg dry	202	101	1	SW846 8082A	20-Nov-12	22-Nov-12	BLM	1228591	X
11104-28-2	Aroclor-1221	< 202		µg/kg dry	202	182	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 202		µg/kg dry	202	130	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 202		µg/kg dry	202	119	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	577		µg/kg dry	202	99.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,050		µg/kg dry	202	148	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	496		µg/kg dry	202	90.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 202		µg/kg dry	202	188	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 202		µg/kg dry	202	63.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 201		µg/kg dry	201	100	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229090	X
[illegible]28-2	Aroclor-1221	< 201		µg/kg dry	201	181	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 201		µg/kg dry	201	129	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 201		µg/kg dry	201	118	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	664		µg/kg dry	201	98.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	895		µg/kg dry	201	85.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	322		µg/kg dry	201	89.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 201		µg/kg dry	201	187	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 201		µg/kg dry	201	63.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.4		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228695	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
4C	183572.4445.0710	Caulk/Glaze	14-Nov-12 08:50	15-Nov-12
SB60132-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 195		µg/kg dry	195	97.6	1	SW846 8082A	20-Nov-12	22-Nov-12	BLM	1228591	X
11104-28-2	Aroclor-1221	< 195		µg/kg dry	195	176	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 195		µg/kg dry	195	125	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 195		µg/kg dry	195	115	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 195		µg/kg dry	195	95.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 195		µg/kg dry	195	143	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 195		µg/kg dry	195	74.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 195		µg/kg dry	195	182	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 195		µg/kg dry	195	61.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 183		µg/kg dry	183	91.3	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229090	X
11104-28-2	Aroclor-1221	< 183		µg/kg dry	183	165	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 183		µg/kg dry	183	117	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 183		µg/kg dry	183	108	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 183		µg/kg dry	183	89.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 183		µg/kg dry	183	134	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 183		µg/kg dry	183	70.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 183		µg/kg dry	183	170	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 183		µg/kg dry	183	57.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228695	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
05A SB60132-13	183572.4445.0710	Caulk/Glaze	06-Nov-12 11:48	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 201		µg/kg dry	201	101	1	SW846 8082A	20-Nov-12	22-Nov-12	BLM	1228591	X
11104-28-2	Aroclor-1221	< 201		µg/kg dry	201	182	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 201		µg/kg dry	201	129	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 201		µg/kg dry	201	119	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 201		µg/kg dry	201	98.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 201		µg/kg dry	201	148	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 201		µg/kg dry	201	77.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 201		µg/kg dry	201	188	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 201		µg/kg dry	201	63.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 188		µg/kg dry	188	94.0	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229090	X
[illegible]28-2	Aroclor-1221	< 188		µg/kg dry	188	169	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 188		µg/kg dry	188	121	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 188		µg/kg dry	188	111	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 188		µg/kg dry	188	92.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 188		µg/kg dry	188	138	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 188		µg/kg dry	188	72.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 188		µg/kg dry	188	175	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 188		µg/kg dry	188	59.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.0		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228695	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
05B	183572.4445.0710	Caulk/Glaze	06-Nov-12 11:57	15-Nov-12
SB60132-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 204		µg/kg dry	204	102	1	SW846 8082A	20-Nov-12	22-Nov-12	BLM	1228591	X
11104-28-2	Aroclor-1221	< 204		µg/kg dry	204	184	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 204		µg/kg dry	204	131	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 204		µg/kg dry	204	120	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 204		µg/kg dry	204	100	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 204		µg/kg dry	204	150	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 204		µg/kg dry	204	78.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 204		µg/kg dry	204	190	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 204		µg/kg dry	204	64.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 192		µg/kg dry	192	96.1	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229090	X
11104-28-2	Aroclor-1221	< 192		µg/kg dry	192	173	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 192		µg/kg dry	192	123	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 192		µg/kg dry	192	113	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 192		µg/kg dry	192	94.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 192		µg/kg dry	192	141	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 192		µg/kg dry	192	73.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 192		µg/kg dry	192	179	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 192		µg/kg dry	192	60.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.1		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228695	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
06A SP60132-15	183572.4445.0710	Caulk/Glaze	06-Nov-12 13:22	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 39800	D	µg/kg dry	39800	19900	200	SW846 8082A	20-Nov-12	26-Nov-12	BLM	1228591	X
11104-28-2	Aroclor-1221	< 39800	D	µg/kg dry	39800	35900	200	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 39800	D	µg/kg dry	39800	25600	200	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 39800	D	µg/kg dry	39800	23400	200	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 39800	D	µg/kg dry	39800	19500	200	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,280,000	D	µg/kg dry	39800	29200	200	"	"	"	"	"	X
11096-82-5	Aroclor-1260	561,000	D	µg/kg dry	39800	15300	200	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 39800	D	µg/kg dry	39800	37100	200	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 39800	D	µg/kg dry	39800	12500	200	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			GS1, PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 40200	D	µg/kg dry	40200	20100	200	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229090	X
11104-28-2	Aroclor-1221	< 40200	D	µg/kg dry	40200	36200	200	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 40200	D	µg/kg dry	40200	25800	200	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 40200	D	µg/kg dry	40200	23700	200	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 40200	D	µg/kg dry	40200	19700	200	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,850,000	D	µg/kg dry	40200	17000	200	"	"	"	"	"	X
11096-82-5	Aroclor-1260	578,000	D	µg/kg dry	40200	17900	200	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 40200	D	µg/kg dry	40200	37400	200	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 40200	D	µg/kg dry	40200	12600	200	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.7		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228695	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
06B	183572.4445.0710	Caulk/Glaze	06-Nov-12 13:34	15-Nov-12
SB60132-16				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 205000	D	µg/kg dry	205000	102000	1000	SW846 8082A	20-Nov-12	26-Nov-12	BLM	1228591	X
11104-28-2	Aroclor-1221	< 205000	D	µg/kg dry	205000	185000	1000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 205000	D	µg/kg dry	205000	132000	1000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 205000	D	µg/kg dry	205000	121000	1000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 205000	D	µg/kg dry	205000	101000	1000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,020,000	D	µg/kg dry	205000	150000	1000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	4,070,000	D	µg/kg dry	205000	78600	1000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 205000	D	µg/kg dry	205000	191000	1000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 205000	D	µg/kg dry	205000	64400	1000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			GS1, PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 204000	D	µg/kg dry	204000	102000	1000	SW846 8082A	27-Nov-12	29-Nov-12	IMR	1229090	X
11104-28-2	Aroclor-1221	< 204000	D	µg/kg dry	204000	184000	1000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 204000	D	µg/kg dry	204000	131000	1000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 204000	D	µg/kg dry	204000	120000	1000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 204000	D	µg/kg dry	204000	100000	1000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	7,460,000	D	µg/kg dry	204000	86700	1000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	10,500,000	D	µg/kg dry	204000	91200	1000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 204000	D	µg/kg dry	204000	190000	1000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 204000	D	µg/kg dry	204000	64200	1000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.9		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228695	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
06C SB60132-17	183572.4445.0710	Caulk/Glaze	06-Nov-12 13:58	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 2030	D	µg/kg dry	2030	1010	10	SW846 8082A	20-Nov-12	26-Nov-12	BLM	1228591	X
11104-28-2	Aroclor-1221	< 2030	D	µg/kg dry	2030	1830	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 2030	D	µg/kg dry	2030	1300	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 2030	D	µg/kg dry	2030	1190	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	71,000	D	µg/kg dry	2030	995	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	43,900	D	µg/kg dry	2030	860	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	4,460	D	µg/kg dry	2030	905	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 2030	D	µg/kg dry	2030	1890	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 2030	D	µg/kg dry	2030	636	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			GS1, PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1970	D	µg/kg dry	1970	982	10	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229090	X
[illegible]8-2	Aroclor-1221	< 1970	D	µg/kg dry	1970	1770	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1970	D	µg/kg dry	1970	1260	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1970	D	µg/kg dry	1970	1160	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	13,500	D	µg/kg dry	1970	797	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	30,100	D	µg/kg dry	1970	1440	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	2,750	D	µg/kg dry	1970	878	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1970	D	µg/kg dry	1970	1830	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1970	D	µg/kg dry	1970	617	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.3		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228695	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
07A SB60132-18	183572.4445.0710	Caulk/Glaze	06-Nov-12 14:13	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 2000	D	µg/kg dry	2000	1000	10	SW846 8082A	20-Nov-12	22-Nov-12	BLM	1228591	X
11104-28-2	Aroclor-1221	< 2000	D	µg/kg dry	2000	1810	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 2000	D	µg/kg dry	2000	1290	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 2000	D	µg/kg dry	2000	1180	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 2000	D	µg/kg dry	2000	983	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 2000	D	µg/kg dry	2000	1470	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 2000	D	µg/kg dry	2000	768	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 2000	D	µg/kg dry	2000	1870	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 2000	D	µg/kg dry	2000	629	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*1200*	S02		*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1990	R01, D	µg/kg dry	1990	996	10	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229090	X
11104-28-2	Aroclor-1221	< 1990	R01, D	µg/kg dry	1990	1800	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1990	R01, D	µg/kg dry	1990	1280	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1990	R01, D	µg/kg dry	1990	1170	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1990	R01, D	µg/kg dry	1990	978	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 1990	R01, D	µg/kg dry	1990	1460	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1990	R01, D	µg/kg dry	1990	764	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1990	R01, D	µg/kg dry	1990	1860	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1990	R01, D	µg/kg dry	1990	626	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*150*	R01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*150*	R01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*	R01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*	R01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228695	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
07B SB60132-19	183572.4445.0710	Caulk/Glaze	06-Nov-12 14:17	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 197		µg/kg dry	197	98.4	1	SW846 8082A	20-Nov-12	22-Nov-12	BLM	1228591	X
11104-28-2	Aroclor-1221	< 197		µg/kg dry	197	177	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 197		µg/kg dry	197	126	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 197		µg/kg dry	197	116	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	896		µg/kg dry	197	96.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,660		µg/kg dry	197	83.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	414		µg/kg dry	197	87.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 197		µg/kg dry	197	184	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 197		µg/kg dry	197	61.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*68*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*68*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*83*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			PCB, R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1010		µg/kg dry	1010	503	1	SW846 8082A	30-Nov-12	01-Dec-12	IMR	1229513	X
[illegible]-2	Aroclor-1221	< 1010		µg/kg dry	1010	908	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1010		µg/kg dry	1010	647	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1010		µg/kg dry	1010	593	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1010		µg/kg dry	1010	494	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 1010		µg/kg dry	1010	739	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1010		µg/kg dry	1010	366	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1010		µg/kg dry	1010	938	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1010		µg/kg dry	1010	316	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228695	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
08A SB60132-20	183572.4445.0710	Caulk/Glaze	06-Nov-12 14:31	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 195		µg/kg dry	195	97.4	1	SW846 8082A	20-Nov-12	22-Nov-12	BLM	1228591	X
11104-28-2	Aroclor-1221	< 195		µg/kg dry	195	176	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 195		µg/kg dry	195	125	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 195		µg/kg dry	195	115	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	1,900		µg/kg dry	195	95.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,200		µg/kg dry	195	82.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 975	R01	µg/kg dry	975	374	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 975	R01	µg/kg dry	975	908	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 975	R01	µg/kg dry	975	306	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 193		µg/kg dry	193	96.4	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229090	X
11104-28-2	Aroclor-1221	< 193		µg/kg dry	193	174	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 193		µg/kg dry	193	124	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 193		µg/kg dry	193	114	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	2,250		µg/kg dry	193	78.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,390		µg/kg dry	193	81.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 965	R01	µg/kg dry	965	370	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 965	R01	µg/kg dry	965	899	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 965	R01	µg/kg dry	965	303	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*	R01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*	R01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*	R01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*270*	R01, S02		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.5		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228695	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
08B SB60132-21	183572.4445.0710	Caulk/Glaze	06-Nov-12 14:45	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 192		µg/kg dry	192	96.0	1	SW846 8082A	20-Nov-12	22-Nov-12	BLM	1228591	X
11104-28-2	Aroclor-1221	< 192		µg/kg dry	192	173	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 192		µg/kg dry	192	123	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 192		µg/kg dry	192	113	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	1,490		µg/kg dry	192	94.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,670		µg/kg dry	192	81.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 961	R01	µg/kg dry	961	368	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 961	R01	µg/kg dry	961	895	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 961	R01	µg/kg dry	961	302	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*185*	S02		*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
[illegible]-11-2	Aroclor-1016	< 190		µg/kg dry	190	95.0	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229091	X
[illegible]28-2	Aroclor-1221	< 190		µg/kg dry	190	171	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 190		µg/kg dry	190	122	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 190		µg/kg dry	190	112	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	2,230		µg/kg dry	190	77.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,290		µg/kg dry	190	80.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 950	R01	µg/kg dry	950	364	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 950	R01	µg/kg dry	950	885	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 950	R01	µg/kg dry	950	298	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*350*	S02		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.1		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228696	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
09A	183572.4445.0710	Caulk/Glaze	06-Nov-12 15:03	15-Nov-12
SB60132-22				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 200		µg/kg dry	200	99.9	1	SW846 8082A	20-Nov-12	22-Nov-12	BLM	1228591	X
11104-28-2	Aroclor-1221	< 200		µg/kg dry	200	180	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 200		µg/kg dry	200	128	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 200		µg/kg dry	200	118	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 200		µg/kg dry	200	98.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 200		µg/kg dry	200	147	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 400	R01	µg/kg dry	400	153	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 400	R01	µg/kg dry	400	372	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 400	R01	µg/kg dry	400	126	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 198		µg/kg dry	198	98.8	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229091	X
11104-28-2	Aroclor-1221	< 198		µg/kg dry	198	178	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 198		µg/kg dry	198	127	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 198		µg/kg dry	198	116	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 198		µg/kg dry	198	97.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 198		µg/kg dry	198	145	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 198		µg/kg dry	198	75.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 198		µg/kg dry	198	184	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 198		µg/kg dry	198	62.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228696	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
09B SB60132-23	183572.4445.0710	Caulk/Glaze	06-Nov-12 15:00	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 200		µg/kg dry	200	99.8	1	SW846 8082A	20-Nov-12	22-Nov-12	BLM	1228591	X
11104-28-2	Aroclor-1221	< 200		µg/kg dry	200	180	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 200		µg/kg dry	200	128	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 200		µg/kg dry	200	118	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 200		µg/kg dry	200	98.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 200		µg/kg dry	200	147	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 400	R01	µg/kg dry	400	153	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 400	R01	µg/kg dry	400	372	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 400	R01	µg/kg dry	400	125	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 186		µg/kg dry	186	92.7	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229091	X
[illegible]8-2	Aroclor-1221	< 186		µg/kg dry	186	167	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 186		µg/kg dry	186	119	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 186		µg/kg dry	186	109	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 186		µg/kg dry	186	91.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 186		µg/kg dry	186	136	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 186		µg/kg dry	186	71.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 186		µg/kg dry	186	173	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 186		µg/kg dry	186	58.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228696	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
09C SB60132-24	183572.4445.0710	Caulk/Glaze	06-Nov-12 15:07	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 197		µg/kg dry	197	98.6	1	SW846 8082A	20-Nov-12	22-Nov-12	BLM	1228591	X
11104-28-2	Aroclor-1221	< 197		µg/kg dry	197	178	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 197		µg/kg dry	197	127	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 197		µg/kg dry	197	116	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 197		µg/kg dry	197	96.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	928		µg/kg dry	197	83.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 197		µg/kg dry	197	75.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 197		µg/kg dry	197	164	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 197		µg/kg dry	197	62.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 187		µg/kg dry	187	93.6	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229091	X
11104-28-2	Aroclor-1221	< 187		µg/kg dry	187	169	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 187		µg/kg dry	187	120	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 187		µg/kg dry	187	110	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 187		µg/kg dry	187	92.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	291		µg/kg dry	187	79.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 187		µg/kg dry	187	71.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 187		µg/kg dry	187	175	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 187		µg/kg dry	187	58.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228696	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
10A SB60132-25	183572.4445.0710	Caulk/Glaze	07-Nov-12 08:06	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 967	R01	µg/kg dry	967	483	1	SW846 8082A	20-Nov-12	22-Nov-12	BLM	1228591	X
11104-28-2	Aroclor-1221	< 967	R01	µg/kg dry	967	871	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 967	R01	µg/kg dry	967	621	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 967	R01	µg/kg dry	967	569	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 967	R01	µg/kg dry	967	474	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 967	R01	µg/kg dry	967	709	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 967	R01	µg/kg dry	967	371	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 967	R01	µg/kg dry	967	900	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 967	R01	µg/kg dry	967	303	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 182		µg/kg dry	182	90.9	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229091	X
[illegible]-2	Aroclor-1221	< 182		µg/kg dry	182	164	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 182		µg/kg dry	182	117	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 182		µg/kg dry	182	107	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 182		µg/kg dry	182	89.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	391		µg/kg dry	182	77.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 182		µg/kg dry	182	69.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 182		µg/kg dry	182	169	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 182		µg/kg dry	182	57.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228696	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
10B	183572.4445.0710	Caulk/Glaze	07-Nov-12 08:13	15-Nov-12
SB60132-26				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 991	R01	µg/kg dry	991	495	1	SW846 8082A	20-Nov-12	22-Nov-12	BLM	1228591	X
11104-28-2	Aroclor-1221	< 991	R01	µg/kg dry	991	893	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 991	R01	µg/kg dry	991	636	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 991	R01	µg/kg dry	991	584	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 991	R01	µg/kg dry	991	486	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 991	R01	µg/kg dry	991	727	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 991	R01	µg/kg dry	991	380	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 991	R01	µg/kg dry	991	923	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 991	R01	µg/kg dry	991	311	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 188		µg/kg dry	188	93.9	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229091	X
11104-28-2	Aroclor-1221	< 188		µg/kg dry	188	169	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 188		µg/kg dry	188	121	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 188		µg/kg dry	188	111	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 188		µg/kg dry	188	92.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	329		µg/kg dry	188	138	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 188		µg/kg dry	188	72.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 188		µg/kg dry	188	175	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 188		µg/kg dry	188	59.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228696	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
10C SD60132-27	183572.4445.0710	Caulk/Glaze	07-Nov-12 08:16	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 992	R01	µg/kg dry	992	496	1	SW846 8082A	20-Nov-12	22-Nov-12	BLM	1228591	X
11104-28-2	Aroclor-1221	< 992	R01	µg/kg dry	992	894	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 992	R01	µg/kg dry	992	637	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 992	R01	µg/kg dry	992	584	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 992	R01	µg/kg dry	992	487	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 992	R01	µg/kg dry	992	728	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 992	R01	µg/kg dry	992	380	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 992	R01	µg/kg dry	992	924	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 992	R01	µg/kg dry	992	311	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
[illegible]-11-2	Aroclor-1016	< 195		µg/kg dry	195	97.2	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229091	X
[illegible]8-2	Aroclor-1221	< 195		µg/kg dry	195	175	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 195		µg/kg dry	195	125	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 195		µg/kg dry	195	115	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 195		µg/kg dry	195	95.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	457		µg/kg dry	195	82.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 195		µg/kg dry	195	74.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 195		µg/kg dry	195	181	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 195		µg/kg dry	195	61.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228696	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
11A SB60132-28	183572.4445.0710	Caulk/Glaze	07-Nov-12 08:21	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 201		µg/kg dry	201	101	1	SW846 8082A	20-Nov-12	21-Nov-12	IMR	1228664	X
11104-28-2	Aroclor-1221	< 201		µg/kg dry	201	181	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 201		µg/kg dry	201	129	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 201		µg/kg dry	201	119	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 201		µg/kg dry	201	98.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	423		µg/kg dry	201	85.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 201		µg/kg dry	201	77.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 201		µg/kg dry	201	188	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 201		µg/kg dry	201	63.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 192		µg/kg dry	192	96.0	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229091	X
11104-28-2	Aroclor-1221	< 192		µg/kg dry	192	173	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 192		µg/kg dry	192	123	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 192		µg/kg dry	192	113	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 192		µg/kg dry	192	94.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	384		µg/kg dry	192	81.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 192		µg/kg dry	192	73.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 192		µg/kg dry	192	179	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 192		µg/kg dry	192	60.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.0		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228696	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
11B SD60132-29	183572.4445.0710	Caulk/Glaze	07-Nov-12 08:24	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 181		µg/kg dry	181	90.5	1	SW846 8082A	20-Nov-12	21-Nov-12	IMR	1228664	X
11104-28-2	Aroclor-1221	< 181		µg/kg dry	181	163	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 181		µg/kg dry	181	116	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 181		µg/kg dry	181	107	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 181		µg/kg dry	181	88.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	498		µg/kg dry	181	133	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 181		µg/kg dry	181	69.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 181		µg/kg dry	181	169	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 181		µg/kg dry	181	56.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
[illegible]-11-2	Aroclor-1016	< 167		µg/kg dry	167	83.6	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229091	X
[illegible]-28-2	Aroclor-1221	< 167		µg/kg dry	167	151	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 167		µg/kg dry	167	107	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 167		µg/kg dry	167	98.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 167		µg/kg dry	167	82.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	334		µg/kg dry	167	71.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 167		µg/kg dry	167	64.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 167		µg/kg dry	167	156	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 167		µg/kg dry	167	52.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228696	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
11C SB60132-30	183572.4445.0710	Caulk/Glaze	07-Nov-12 08:25	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 195		µg/kg dry	195	97.6	1	SW846 8082A	20-Nov-12	21-Nov-12	IMR	1228664	X
11104-28-2	Aroclor-1221	< 195		µg/kg dry	195	176	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 195		µg/kg dry	195	125	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 195		µg/kg dry	195	115	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 195		µg/kg dry	195	95.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	498		µg/kg dry	195	143	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 195		µg/kg dry	195	74.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 195		µg/kg dry	195	182	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 195		µg/kg dry	195	61.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 194		µg/kg dry	194	96.8	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229091	X
11104-28-2	Aroclor-1221	< 194		µg/kg dry	194	174	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 194		µg/kg dry	194	124	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 194		µg/kg dry	194	114	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 194		µg/kg dry	194	95.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	504		µg/kg dry	194	82.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 194		µg/kg dry	194	74.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 194		µg/kg dry	194	180	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 194		µg/kg dry	194	60.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.7		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228696	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
12A SB60132-31	183572.4445.0710	Caulk/Glaze	07-Nov-12 08:53	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 2040	D	µg/kg dry	2040	1020	10	SW846 8082A	20-Nov-12	21-Nov-12	IMR	1228664	X
11104-28-2	Aroclor-1221	< 2040	D	µg/kg dry	2040	1830	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 2040	D	µg/kg dry	2040	1310	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 2040	D	µg/kg dry	2040	1200	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 2040	D	µg/kg dry	2040	999	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 2040	D	µg/kg dry	2040	1490	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 2040	D	µg/kg dry	2040	780	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 2040	D	µg/kg dry	2040	1900	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 2040	D	µg/kg dry	2040	639	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1970	D	µg/kg dry	1970	987	10	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229091	X
[illegible]8-2	Aroclor-1221	< 1970	D	µg/kg dry	1970	1780	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1970	D	µg/kg dry	1970	1270	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1970	D	µg/kg dry	1970	1160	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1970	D	µg/kg dry	1970	969	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 1970	D	µg/kg dry	1970	1450	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1970	D	µg/kg dry	1970	757	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1970	D	µg/kg dry	1970	1840	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1970	D	µg/kg dry	1970	620	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.1		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228696	

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* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
12B	183572.4445.0710	Caulk/Glaze	07-Nov-12 08:55	15-Nov-12
SB60132-32				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 1990	D	µg/kg dry	1990	996	10	SW846 8082A	20-Nov-12	21-Nov-12	IMR	1228664	X
11104-28-2	Aroclor-1221	< 1990	D	µg/kg dry	1990	1800	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1990	D	µg/kg dry	1990	1280	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1990	D	µg/kg dry	1990	1170	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1990	D	µg/kg dry	1990	978	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 1990	D	µg/kg dry	1990	1460	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1990	D	µg/kg dry	1990	764	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1990	D	µg/kg dry	1990	1860	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1990	D	µg/kg dry	1990	626	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1920	D	µg/kg dry	1920	961	10	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229091	X
11104-28-2	Aroclor-1221	< 1920	D	µg/kg dry	1920	1730	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1920	D	µg/kg dry	1920	1230	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1920	D	µg/kg dry	1920	1130	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1920	D	µg/kg dry	1920	944	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 1920	D	µg/kg dry	1920	1410	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1920	D	µg/kg dry	1920	737	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1920	D	µg/kg dry	1920	1790	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1920	D	µg/kg dry	1920	604	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228696	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
13A SB60132-33	183572.4445.0710	Caulk/Glaze	07-Nov-12 09:56	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 1870	D	µg/kg dry	1870	933	10	SW846 8082A	20-Nov-12	26-Nov-12	IMR	1228664	X
11104-28-2	Aroclor-1221	< 1870	D	µg/kg dry	1870	1680	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1870	D	µg/kg dry	1870	1200	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1870	D	µg/kg dry	1870	1100	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1870	D	µg/kg dry	1870	916	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	89,300	D	µg/kg dry	1870	1370	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1870	D	µg/kg dry	1870	715	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1870	D	µg/kg dry	1870	1740	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1870	D	µg/kg dry	1870	586	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1700	D	µg/kg dry	1700	848	10	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229091	X
11104-28-2	Aroclor-1221	< 1700	D	µg/kg dry	1700	1530	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1700	D	µg/kg dry	1700	1090	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1700	D	µg/kg dry	1700	999	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1700	D	µg/kg dry	1700	832	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	84,500	D	µg/kg dry	1700	720	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1700	D	µg/kg dry	1700	650	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1700	D	µg/kg dry	1700	1580	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1700	D	µg/kg dry	1700	533	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.4		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228696	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
13B SB60132-34	183572.4445.0710	Caulk/Glaze	07-Nov-12 09:58	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 1950	D	µg/kg dry	1950	976	10	SW846 8082A	20-Nov-12	26-Nov-12	IMR	1228664	X
11104-28-2	Aroclor-1221	< 1950	D	µg/kg dry	1950	1760	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1950	D	µg/kg dry	1950	1250	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1950	D	µg/kg dry	1950	1150	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1950	D	µg/kg dry	1950	958	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**100,000**	D	µg/kg dry	1950	1430	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1950	D	µg/kg dry	1950	749	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1950	D	µg/kg dry	1950	1820	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1950	D	µg/kg dry	1950	613	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1720	D	µg/kg dry	1720	859	10	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229091	X
11104-28-2	Aroclor-1221	< 1720	D	µg/kg dry	1720	1550	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1720	D	µg/kg dry	1720	1100	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1720	D	µg/kg dry	1720	1010	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1720	D	µg/kg dry	1720	843	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**102,000**	D	µg/kg dry	1720	729	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1720	D	µg/kg dry	1720	659	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1720	D	µg/kg dry	1720	1600	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1720	D	µg/kg dry	1720	540	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**97.7**		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228696	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
13C SB60132-35	183572.4445.0710	Caulk/Glaze	07-Nov-12 10:00	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 1970	D	µg/kg dry	1970	985	10	SW846 8082A	20-Nov-12	26-Nov-12	IMR	1228664	X
11104-28-2	Aroclor-1221	< 1970	D	µg/kg dry	1970	1780	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1970	D	µg/kg dry	1970	1270	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1970	D	µg/kg dry	1970	1160	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1970	D	µg/kg dry	1970	968	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**128,000**	D	µg/kg dry	1970	837	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1970	D	µg/kg dry	1970	756	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1970	D	µg/kg dry	1970	1840	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1970	D	µg/kg dry	1970	619	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1900	D	µg/kg dry	1900	949	10	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229091	X
[illegible]-2	Aroclor-1221	< 1900	D	µg/kg dry	1900	1710	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1900	D	µg/kg dry	1900	1220	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1900	D	µg/kg dry	1900	1120	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1900	D	µg/kg dry	1900	932	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**133,000**	D	µg/kg dry	1900	806	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1900	D	µg/kg dry	1900	728	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1900	D	µg/kg dry	1900	1770	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1900	D	µg/kg dry	1900	596	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**97.9**		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228696	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
14A SB60132-36	183572.4445.0710	Caulk/Glaze	07-Nov-12 10:33	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 195		µg/kg dry	195	97.3	1	SW846 8082A	20-Nov-12	22-Nov-12	IMR	1228664	X
11104-28-2	Aroclor-1221	< 195		µg/kg dry	195	176	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 195		µg/kg dry	195	125	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 195		µg/kg dry	195	115	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 195		µg/kg dry	195	95.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 195		µg/kg dry	195	143	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 195		µg/kg dry	195	74.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 195		µg/kg dry	195	181	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 195		µg/kg dry	195	61.2	1	"	"	"	"	"	X
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)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*2900*	S02		*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 392		µg/kg dry	392	196	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229091	X
11104-28-2	Aroclor-1221	< 392		µg/kg dry	392	353	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 392		µg/kg dry	392	252	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 392		µg/kg dry	392	231	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 392		µg/kg dry	392	192	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 392		µg/kg dry	392	287	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 392		µg/kg dry	392	150	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 392		µg/kg dry	392	365	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 392		µg/kg dry	392	123	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228696	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
14B SB60132-37	183572.4445.0710	Caulk/Glaze	07-Nov-12 10:36	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 199		µg/kg dry	199	99.3	1	SW846 8082A	20-Nov-12	22-Nov-12	IMR	1228664	X
11104-28-2	Aroclor-1221	< 199		µg/kg dry	199	179	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 199		µg/kg dry	199	128	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 199		µg/kg dry	199	117	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 199		µg/kg dry	199	97.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 199		µg/kg dry	199	146	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 199		µg/kg dry	199	76.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 199		µg/kg dry	199	185	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 199		µg/kg dry	199	62.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 388		µg/kg dry	388	194	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229091	X
[illegible]-28-2	Aroclor-1221	< 388		µg/kg dry	388	350	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 388		µg/kg dry	388	249	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 388		µg/kg dry	388	229	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 388		µg/kg dry	388	190	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 388		µg/kg dry	388	285	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 388		µg/kg dry	388	149	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 388		µg/kg dry	388	362	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 388		µg/kg dry	388	122	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228696	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
14C SB60132-38	183572.4445.0710	Caulk/Glaze	07-Nov-12 10:40	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 932		µg/kg dry	932	465	1	SW846 8082A	20-Nov-12	22-Nov-12	IMR	1228664	X
11104-28-2	Aroclor-1221	< 932		µg/kg dry	932	839	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 932		µg/kg dry	932	598	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 932		µg/kg dry	932	549	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 932		µg/kg dry	932	457	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 932		µg/kg dry	932	663	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 932		µg/kg dry	932	357	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 932		µg/kg dry	932	868	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 932		µg/kg dry	932	293	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*35*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 898		µg/kg dry	898	449	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229091	X
11104-28-2	Aroclor-1221	< 898		µg/kg dry	898	809	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 898		µg/kg dry	898	577	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 898		µg/kg dry	898	529	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 898		µg/kg dry	898	441	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 898		µg/kg dry	898	659	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 898		µg/kg dry	898	344	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 898		µg/kg dry	898	837	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 898		µg/kg dry	898	282	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228696	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
15A SR60132-39	183572.4445.0710	Caulk/Glaze	07-Nov-12 11:22	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 199		µg/kg dry	199	99.2	1	SW846 8082A	20-Nov-12	22-Nov-12	IMR	1228664	X
11104-28-2	Aroclor-1221	< 199		µg/kg dry	199	179	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 199		µg/kg dry	199	128	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 199		µg/kg dry	199	117	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 199		µg/kg dry	199	97.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,220		µg/kg dry	199	84.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 199		µg/kg dry	199	76.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 199		µg/kg dry	199	185	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 199		µg/kg dry	199	62.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 192		µg/kg dry	192	95.9	1	SW846 8082A	30-Nov-12	01-Dec-12	IMR	1229513	X
11104-28-2	Aroclor-1221	< 192		µg/kg dry	192	173	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 192		µg/kg dry	192	123	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 192		µg/kg dry	192	113	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 192		µg/kg dry	192	94.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	787		µg/kg dry	192	141	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 192		µg/kg dry	192	73.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 192		µg/kg dry	192	179	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 192		µg/kg dry	192	60.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228696	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
15B SB60I32-40	183572.4445.0710	Caulk/Glaze	07-Nov-12 11:25	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 185		µg/kg dry	185	92.6	1	SW846 8082A	20-Nov-12	22-Nov-12	IMR	1228664	X
11104-28-2	Aroclor-1221	< 185		µg/kg dry	185	167	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 185		µg/kg dry	185	119	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 185		µg/kg dry	185	109	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 185		µg/kg dry	185	90.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	899		µg/kg dry	185	78.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 185		µg/kg dry	185	71.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 185		µg/kg dry	185	173	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 185		µg/kg dry	185	58.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*78*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*83*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 154		µg/kg dry	154	77.2	1	SW846 8082A	27-Nov-12	28-Nov-12	IMR	1229091	X
11104-28-2	Aroclor-1221	< 154		µg/kg dry	154	139	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 154		µg/kg dry	154	99.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 154		µg/kg dry	154	91.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 154		µg/kg dry	154	75.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	402		µg/kg dry	154	65.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 154		µg/kg dry	154	59.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 154		µg/kg dry	154	144	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 154		µg/kg dry	154	48.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228696	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
15C SB60132-41	183572.4445.0710	Caulk/Glaze	07-Nov-12 11:30	15-Nov-12

No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 195		µg/kg dry	195	97.6	1	SW846 8082A	20-Nov-12	22-Nov-12	IMR	1228664	X
11104-28-2	Aroclor-1221	< 195		µg/kg dry	195	176	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 195		µg/kg dry	195	125	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 195		µg/kg dry	195	115	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 195		µg/kg dry	195	95.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,230		µg/kg dry	195	82.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 195		µg/kg dry	195	74.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 195		µg/kg dry	195	182	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 195		µg/kg dry	195	61.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 188		µg/kg dry	188	94.1	1	SW846 8082A	27-Nov-12	28-Nov-12	BLM	1229092	X
[illegible]-2	Aroclor-1221	< 188		µg/kg dry	188	170	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 188		µg/kg dry	188	121	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 188		µg/kg dry	188	111	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 188		µg/kg dry	188	92.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	998		µg/kg dry	188	79.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 188		µg/kg dry	188	72.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 188		µg/kg dry	188	175	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 188		µg/kg dry	188	59.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228697	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
16A SB60132-42	183572.4445.0710	Caulk/Glaze	07-Nov-12 11:37	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 190		µg/kg dry	190	94.8	1	SW846 8082A	20-Nov-12	22-Nov-12	IMR	1228664	X
11104-28-2	Aroclor-1221	< 190		µg/kg dry	190	171	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 190		µg/kg dry	190	122	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 190		µg/kg dry	190	112	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	5,570		µg/kg dry	190	76.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	4,100		µg/kg dry	190	80.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	484		µg/kg dry	190	72.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 190		µg/kg dry	190	177	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 190		µg/kg dry	190	59.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			PCB										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 992	R01	µg/kg dry	992	496	1	SW846 8082A	30-Nov-12	01-Dec-12	IMR	1229513	X
11104-28-2	Aroclor-1221	< 992	R01	µg/kg dry	992	894	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 992	R01	µg/kg dry	992	637	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 992	R01	µg/kg dry	992	584	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 992	R01	µg/kg dry	992	487	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	7,710		µg/kg dry	198	146	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	893		µg/kg dry	198	88.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 198		µg/kg dry	198	185	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 198		µg/kg dry	198	62.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228697	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
16B SP60132-43	183572.4445.0710	Caulk/Glaze	07-Nov-12 11:39	15-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 203		µg/kg dry	203	101	1	SW846 8082A	20-Nov-12	22-Nov-12	IMR	1228664	X
11104-28-2	Aroclor-1221	< 203		µg/kg dry	203	183	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 203		µg/kg dry	203	130	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 203		µg/kg dry	203	120	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 203		µg/kg dry	203	99.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	203		µg/kg dry	203	86.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	305		µg/kg dry	203	77.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 203		µg/kg dry	203	189	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 203		µg/kg dry	203	63.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls			PCB										
Prepared by method SW846 3540C													
[illegible]11-2	Aroclor-1016	< 201		µg/kg dry	201	101	1	SW846 8082A	27-Nov-12	29-Nov-12	BLM	1229092	X
[illegible]8-2	Aroclor-1221	< 201		µg/kg dry	201	181	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 201		µg/kg dry	201	129	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 201		µg/kg dry	201	119	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 201		µg/kg dry	201	98.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	685		µg/kg dry	201	85.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 403	R01	µg/kg dry	403	154	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 403	R01	µg/kg dry	403	375	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 403	R01	µg/kg dry	403	127	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*625*	S02		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.3		%			1	SM2540 G Mod.	20-Nov-12	20-Nov-12	DT	1228697	

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1228470 - SW846 3545A										
Blank (1228470-BLK1)					Prepared: 19-Nov-12 Analyzed: 20-Nov-12					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*27.0*		µg/kg wet		*20.0*		*135*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
LCS (1228470-BS1)					Prepared: 19-Nov-12 Analyzed: 20-Nov-12					
Aroclor-1016	**244**		µg/kg wet	20.0	250		98	40-140		
Aroclor-1016 [2C]	**281**		µg/kg wet	20.0	250		112	40-140		
Aroclor-1260	**245**		µg/kg wet	20.0	250		98	40-140		
Aroclor-1260 [2C]	**241**		µg/kg wet	20.0	250		96	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS Dup (1228470-BSD1)					Prepared: 19-Nov-12 Analyzed: 20-Nov-12					
Aroclor-1016	**249**		µg/kg wet	20.0	250		100	40-140	2	30
Aroclor-1016 [2C]	**280**		µg/kg wet	20.0	250		112	40-140	0.4	30
Aroclor-1260	**249**		µg/kg wet	20.0	250		100	40-140	2	30
Aroclor-1260 [2C]	**240**		µg/kg wet	20.0	250		96	40-140	0.4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.0*		µg/kg wet		*20.0*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Batch 1228591 - SW846 3545A										
Blank (1228591-BLK1)					Prepared & Analyzed: 20-Nov-12					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1228591 - SW846 3545A										
Blank (1228591-BLK1)						Prepared & Analyzed: 20-Nov-12				
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.0*		µg/kg wet		*20.0*		*125*	*30-150*		
LCS (1228591-BS1)						Prepared & Analyzed: 20-Nov-12				
Aroclor-1016	**239**		µg/kg wet	20.0	250		96	40-140		
Aroclor-1016 [2C]	**248**		µg/kg wet	20.0	250		99	40-140		
Aroclor-1260	**215**		µg/kg wet	20.0	250		86	40-140		
Aroclor-1260 [2C]	**184**		µg/kg wet	20.0	250		74	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
LCS Dup (1228591-BSD1)						Prepared & Analyzed: 20-Nov-12				
Aroclor-1016	**242**		µg/kg wet	20.0	250		97	40-140	1	30
Aroclor-1016 [2C]	**250**		µg/kg wet	20.0	250		100	40-140	0.8	30
Aroclor-1260	**216**		µg/kg wet	20.0	250		86	40-140	0.5	30
Aroclor-1260 [2C]	**186**		µg/kg wet	20.0	250		74	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
Batch 1228664 - SW846 3545A										
Blank (1228664-BLK1)						Prepared: 20-Nov-12 Analyzed: 21-Nov-12				
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1228664 - SW846 3545A										
Blank (1228664-BLK1)						Prepared: 20-Nov-12 Analyzed: 21-Nov-12				
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.0*		µg/kg wet		*20.0*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.0*		µg/kg wet		*20.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
LCS (1228664-BS1)						Prepared: 20-Nov-12 Analyzed: 21-Nov-12				
Aroclor-1016	**230**		µg/kg wet	20.0	250		92	40-140		
Aroclor-1016 [2C]	**245**		µg/kg wet	20.0	250		98	40-140		
Aroclor-1260	**199**		µg/kg wet	20.0	250		80	40-140		
Aroclor-1260 [2C]	**180**		µg/kg wet	20.0	250		72	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
LCS Dup (1228664-BSD1)						Prepared: 20-Nov-12 Analyzed: 21-Nov-12				
Aroclor-1016	**230**		µg/kg wet	20.0	250		92	40-140	0	30
Aroclor-1016 [2C]	**248**		µg/kg wet	20.0	250		99	40-140	1	30
Aroclor-1260	**206**		µg/kg wet	20.0	250		82	40-140	3	30
Aroclor-1260 [2C]	**181**		µg/kg wet	20.0	250		72	40-140	0.6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Batch 1229090 - SW846 3540C										
Blank (1229090-BLK1)						Prepared: 27-Nov-12 Analyzed: 28-Nov-12				
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*27.0*		µg/kg wet		*20.0*		*135*	*30-150*		
LCS (1229090-BS1)						Prepared: 27-Nov-12 Analyzed: 28-Nov-12				
Aroclor-1016	**214**		µg/kg wet	20.0	250		86	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229090 - SW846 3540C										
LCS (1229090-BS1)					Prepared: 27-Nov-12 Analyzed: 28-Nov-12					
Aroclor-1016 [2C]	**233**		µg/kg wet	20.0	250		93	40-140		
Aroclor-1260	**195**		µg/kg wet	20.0	250		78	40-140		
Aroclor-1260 [2C]	**184**		µg/kg wet	20.0	250		74	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
LCS Dup (1229090-BSD1)					Prepared: 27-Nov-12 Analyzed: 28-Nov-12					
Aroclor-1016	**218**		µg/kg wet	20.0	250		87	40-140	2	30
Aroclor-1016 [2C]	**229**		µg/kg wet	20.0	250		92	40-140	2	30
Aroclor-1260	**194**		µg/kg wet	20.0	250		78	40-140	0.5	30
Aroclor-1260 [2C]	**184**		µg/kg wet	20.0	250		74	40-140	0	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
Duplicate (1229090-DUP1)			**Source: SB60132-12RE1**			Prepared: 27-Nov-12 Analyzed: 28-Nov-12				
Aroclor-1016	< 177		µg/kg dry	177		BRL				30
Aroclor-1016 [2C]	< 177		µg/kg dry	177		BRL				30
Aroclor-1221	< 177		µg/kg dry	177		BRL				30
Aroclor-1221 [2C]	< 177		µg/kg dry	177		BRL				30
Aroclor-1232	< 177		µg/kg dry	177		BRL				30
Aroclor-1232 [2C]	< 177		µg/kg dry	177		BRL				30
Aroclor-1242	< 177		µg/kg dry	177		BRL				30
Aroclor-1242 [2C]	< 177		µg/kg dry	177		BRL				30
Aroclor-1248	< 177		µg/kg dry	177		BRL				30
Aroclor-1248 [2C]	< 177		µg/kg dry	177		BRL				30
Aroclor-1254	**141**	J	µg/kg dry	177		BRL				30
Aroclor-1254 [2C]	**132**	J,QM4	µg/kg dry	177		82.2			47	30
Aroclor-1260	< 177		µg/kg dry	177		BRL				30
Aroclor-1260 [2C]	< 177		µg/kg dry	177		BRL				30
Aroclor-1262	< 177		µg/kg dry	177		BRL				30
Aroclor-1262 [2C]	< 177		µg/kg dry	177		BRL				30
Aroclor-1268	< 177		µg/kg dry	177		BRL				30
Aroclor-1268 [2C]	< 177		µg/kg dry	177		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*177*		µg/kg dry		*177*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*194*		µg/kg dry		*177*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*159*		µg/kg dry		*177*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*194*		µg/kg dry		*177*		*110*	*30-150*		
Matrix Spike (1229090-MS1)			**Source: SB60132-12RE1**			Prepared: 27-Nov-12 Analyzed: 28-Nov-12				
Aroclor-1016	**2150**		µg/kg dry	193	2410	BRL	89	40-140		
Aroclor-1016 [2C]	**2480**		µg/kg dry	193	2410	BRL	103	40-140		
Aroclor-1260	**1680**		µg/kg dry	193	2410	BRL	70	40-140		
Aroclor-1260 [2C]	**2060**		µg/kg dry	193	2410	BRL	86	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*231*		µg/kg dry		*193*		*120*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*241*		µg/kg dry		*193*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*241*		µg/kg dry		*193*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*231*		µg/kg dry		*193*		*120*	*30-150*		
Matrix Spike Dup (1229090-MSD1)			**Source: SB60132-12RE1**			Prepared: 27-Nov-12 Analyzed: 28-Nov-12				
Aroclor-1016	**2090**		µg/kg dry	176	2190	BRL	95	40-140	7	30

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* Reportable Detection Limit

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229090 - SW846 3540C										
Matrix Spike Dup (1229090-MSD1)			Source: SB60132-12RE1		Prepared: 27-Nov-12 Analyzed: 28-Nov-12					
Aroclor-1016 [2C]	**2370**		µg/kg dry	176	2190	BRL	108	40-140	5	30
Aroclor-1260	**1630**		µg/kg dry	176	2190	BRL	74	40-140	7	30
Aroclor-1260 [2C]	**1780**		µg/kg dry	176	2190	BRL	81	40-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*228*		µg/kg dry		*176*		*130*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*228*		µg/kg dry		*176*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*202*		µg/kg dry		*176*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*219*		µg/kg dry		*176*		*125*	*30-150*		
Batch 1229091 - SW846 3540C										
Blank (1229091-BLK1)					Prepared: 27-Nov-12 Analyzed: 28-Nov-12					
Aroclor-1016	< 200		µg/kg wet	200						
Aroclor-1016 [2C]	< 200		µg/kg wet	200						
Aroclor-1221	< 200		µg/kg wet	200						
Aroclor-1221 [2C]	< 200		µg/kg wet	200						
Aroclor-1232	< 200		µg/kg wet	200						
Aroclor-1232 [2C]	< 200		µg/kg wet	200						
Aroclor-1242	< 200		µg/kg wet	200						
Aroclor-1242 [2C]	< 200		µg/kg wet	200						
Aroclor-1248	< 200		µg/kg wet	200						
Aroclor-1248 [2C]	< 200		µg/kg wet	200						
Aroclor-1254	< 200		µg/kg wet	200						
Aroclor-1254 [2C]	< 200		µg/kg wet	200						
Aroclor-1260	< 200		µg/kg wet	200						
Aroclor-1260 [2C]	< 200		µg/kg wet	200						
Aroclor-1262	< 200		µg/kg wet	200						
Aroclor-1262 [2C]	< 200		µg/kg wet	200						
Aroclor-1268	< 200		µg/kg wet	200						
Aroclor-1268 [2C]	< 200		µg/kg wet	200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*200*		µg/kg wet		*200*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*220*		µg/kg wet		*200*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*190*		µg/kg wet		*200*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*270*		µg/kg wet		*200*		*135*	*30-150*		
LCS (1229091-BS1)					Prepared: 27-Nov-12 Analyzed: 28-Nov-12					
Aroclor-1016	**2180**		µg/kg wet	200	2500		87	40-140		
Aroclor-1016 [2C]	**2050**		µg/kg wet	200	2500		82	40-140		
Aroclor-1260	**1690**		µg/kg wet	200	2500		68	40-140		
Aroclor-1260 [2C]	**1710**		µg/kg wet	200	2500		68	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*170*		µg/kg wet		*200*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*180*		µg/kg wet		*200*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*190*		µg/kg wet		*200*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*240*		µg/kg wet		*200*		*120*	*30-150*		
LCS Dup (1229091-BSD1)					Prepared: 27-Nov-12 Analyzed: 28-Nov-12					
Aroclor-1016	**1920**		µg/kg wet	200	2500		77	40-140	13	30
Aroclor-1016 [2C]	**2060**		µg/kg wet	200	2500		82	40-140	0.5	30
Aroclor-1260	**1770**		µg/kg wet	200	2500		71	40-140	5	30
Aroclor-1260 [2C]	**1560**		µg/kg wet	200	2500		62	40-140	9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*180*		µg/kg wet		*200*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*180*		µg/kg wet		*200*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*220*		µg/kg wet		*200*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*220*		µg/kg wet		*200*		*110*	*30-150*		
Duplicate (1229091-DUP1)			Source: SB60132-25RE1		Prepared: 27-Nov-12 Analyzed: 28-Nov-12					

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229091 - SW846 3540C										
Duplicate (1229091-DUP1)			**Source: SB60132-25RE1**		Prepared: 27-Nov-12 Analyzed: 28-Nov-12					
Aroclor-1016	< 192		µg/kg dry	192		BRL				30
Aroclor-1016 [2C]	< 192		µg/kg dry	192		BRL				30
Aroclor-1221	< 192		µg/kg dry	192		BRL				30
Aroclor-1221 [2C]	< 192		µg/kg dry	192		BRL				30
Aroclor-1232	< 192		µg/kg dry	192		BRL				30
Aroclor-1232 [2C]	< 192		µg/kg dry	192		BRL				30
Aroclor-1242	< 192		µg/kg dry	192		BRL				30
Aroclor-1242 [2C]	< 192		µg/kg dry	192		BRL				30
Aroclor-1248	< 192		µg/kg dry	192		BRL				30
Aroclor-1248 [2C]	< 192		µg/kg dry	192		BRL				30
Aroclor-1254	**326**		µg/kg dry	192		364			11	30
Aroclor-1254 [2C]	**317**		µg/kg dry	192		391			21	30
Aroclor-1260	< 192		µg/kg dry	192		BRL				30
Aroclor-1260 [2C]	< 192		µg/kg dry	192		BRL				30
Aroclor-1262	< 192		µg/kg dry	192		BRL				30
Aroclor-1262 [2C]	< 192		µg/kg dry	192		BRL				30
Aroclor-1268	< 192		µg/kg dry	192		BRL				30
Aroclor-1268 [2C]	< 192		µg/kg dry	192		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*211*		µg/kg dry		*192*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*230*		µg/kg dry		*192*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*202*		µg/kg dry		*192*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*269*		µg/kg dry		*192*		*140*	*30-150*		
Matrix Spike (1229091-MS1)			**Source: SB60132-25RE1**		Prepared: 27-Nov-12 Analyzed: 28-Nov-12					
Aroclor-1016	**2500**		µg/kg dry	181	2270	BRL	110	40-140		
Aroclor-1016 [2C]	**2710**		µg/kg dry	181	2270	BRL	120	40-140		
Aroclor-1260	**2160**		µg/kg dry	181	2270	BRL	95	40-140		
Aroclor-1260 [2C]	**2210**		µg/kg dry	181	2270	BRL	98	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*236*		µg/kg dry		*181*		*130*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*236*		µg/kg dry		*181*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*200*		µg/kg dry		*181*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*263*		µg/kg dry		*181*		*145*	*30-150*		
Matrix Spike Dup (1229091-MSD1)			**Source: SB60132-25RE1**		Prepared: 27-Nov-12 Analyzed: 28-Nov-12					
Aroclor-1016	**2830**		µg/kg dry	192	2400	BRL	118	40-140	7	30
Aroclor-1016 [2C]	**2850**		µg/kg dry	192	2400	BRL	119	40-140	0.7	30
Aroclor-1260	**2330**		µg/kg dry	192	2400	BRL	97	40-140	2	30
Aroclor-1260 [2C]	**2190**		µg/kg dry	192	2400	BRL	91	40-140	7	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*259*		µg/kg dry		*192*		*135*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*250*		µg/kg dry		*192*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*221*		µg/kg dry		*192*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*269*		µg/kg dry		*192*		*140*	*30-150*		
Batch 1229092 - SW846 3540C										
Blank (1229092-BLK1)					Prepared: 27-Nov-12 Analyzed: 28-Nov-12					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229092 - SW846 3540C										
Blank (1229092-BLK1)					Prepared: 27-Nov-12 Analyzed: 28-Nov-12					
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.0*		µg/kg wet		*20.0*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
LCS (1229092-BS1)					Prepared: 27-Nov-12 Analyzed: 28-Nov-12					
Aroclor-1016	**229**		µg/kg wet	20.0	250		92	40-140		
Aroclor-1016 [2C]	**252**		µg/kg wet	20.0	250		101	40-140		
Aroclor-1260	**214**		µg/kg wet	20.0	250		86	40-140		
Aroclor-1260 [2C]	**199**		µg/kg wet	20.0	250		80	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
LCS Dup (1229092-BSD1)					Prepared: 27-Nov-12 Analyzed: 28-Nov-12					
Aroclor-1016	**220**		µg/kg wet	20.0	250		88	40-140	4	30
Aroclor-1016 [2C]	**262**		µg/kg wet	20.0	250		105	40-140	4	30
Aroclor-1260	**220**		µg/kg wet	20.0	250		88	40-140	3	30
Aroclor-1260 [2C]	**207**		µg/kg wet	20.0	250		83	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Duplicate (1229092-DUP1)			**Source: SB60132-43RE1**		Prepared: 27-Nov-12 Analyzed: 28-Nov-12					
Aroclor-1016	< 200		µg/kg dry	200		BRL				30
Aroclor-1016 [2C]	< 200		µg/kg dry	200		BRL				30
Aroclor-1221	< 200		µg/kg dry	200		BRL				30
Aroclor-1221 [2C]	< 200		µg/kg dry	200		BRL				30
Aroclor-1232	< 200		µg/kg dry	200		BRL				30
Aroclor-1232 [2C]	< 200		µg/kg dry	200		BRL				30
Aroclor-1242	< 200		µg/kg dry	200		BRL				30
Aroclor-1242 [2C]	< 200		µg/kg dry	200		BRL				30
Aroclor-1248	< 200		µg/kg dry	200		BRL				30
Aroclor-1248 [2C]	< 200		µg/kg dry	200		BRL				30
Aroclor-1254	**581**		µg/kg dry	200		514			12	30
Aroclor-1254 [2C]	**832**		µg/kg dry	200		685			19	30
Aroclor-1260	< 401	R01	µg/kg dry	401		BRL				30
Aroclor-1260 [2C]	< 401	R01	µg/kg dry	401		BRL				30
Aroclor-1262	< 401	R01	µg/kg dry	401		BRL				30
Aroclor-1262 [2C]	< 401	R01	µg/kg dry	401		BRL				30
Aroclor-1268	< 401	R01	µg/kg dry	401		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229092 - SW846 3540C										
Duplicate (1229092-DUP1)			**Source: SB60132-43RE1**		Prepared: 27-Nov-12 Analyzed: 28-Nov-12					
Aroclor-1268 [2C]	< 401	R01	µg/kg dry	401		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*291*		µg/kg dry		*200*		*145*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*120*		µg/kg dry		*200*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*220*		µg/kg dry		*200*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*641*	S02	µg/kg dry		*200*		*320*	*30-150*		
Matrix Spike (1229092-MS1)			**Source: SB60132-43RE1**		Prepared: 27-Nov-12 Analyzed: 28-Nov-12					
Aroclor-1016	**1740**		µg/kg dry	200	2500	BRL	70	40-140		
Aroclor-1016 [2C]	**1940**		µg/kg dry	200	2500	BRL	78	40-140		
Aroclor-1260	**3380**		µg/kg dry	200	2500	BRL	135	40-140		
Aroclor-1260 [2C]	**2370**		µg/kg dry	200	2500	BRL	95	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*190*		µg/kg dry		*200*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*180*		µg/kg dry		*200*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*210*		µg/kg dry		*200*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*321*	S02	µg/kg dry		*200*		*160*	*30-150*		
Matrix Spike Dup (1229092-MSD1)			**Source: SB60132-43RE1**		Prepared: 27-Nov-12 Analyzed: 28-Nov-12					
Aroclor-1016	**1790**		µg/kg dry	200	2500	BRL	72	40-140	3	30
Aroclor-1016 [2C]	**2060**		µg/kg dry	200	2500	BRL	82	40-140	6	30
Aroclor-1260	**3320**		µg/kg dry	200	2500	BRL	133	40-140	1	30
Aroclor-1260 [2C]	**2260**		µg/kg dry	200	2500	BRL	90	40-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*210*		µg/kg dry		*200*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*180*		µg/kg dry		*200*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*210*		µg/kg dry		*200*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*380*	S02	µg/kg dry		*200*		*190*	*30-150*		
Batch 1229513 - SW846 3540C										
Blank (1229513-BLK1)					Prepared: 30-Nov-12 Analyzed: 01-Dec-12					
Aroclor-1016	< 200		µg/kg wet	200						
Aroclor-1016 [2C]	< 200		µg/kg wet	200						
Aroclor-1221	< 200		µg/kg wet	200						
Aroclor-1221 [2C]	< 200		µg/kg wet	200						
Aroclor-1232	< 200		µg/kg wet	200						
Aroclor-1232 [2C]	< 200		µg/kg wet	200						
Aroclor-1242	< 200		µg/kg wet	200						
Aroclor-1242 [2C]	< 200		µg/kg wet	200						
Aroclor-1248	< 200		µg/kg wet	200						
Aroclor-1248 [2C]	< 200		µg/kg wet	200						
Aroclor-1254	< 200		µg/kg wet	200						
Aroclor-1254 [2C]	< 200		µg/kg wet	200						
Aroclor-1260	< 200		µg/kg wet	200						
Aroclor-1260 [2C]	< 200		µg/kg wet	200						
Aroclor-1262	< 200		µg/kg wet	200						
Aroclor-1262 [2C]	< 200		µg/kg wet	200						
Aroclor-1268	< 200		µg/kg wet	200						
Aroclor-1268 [2C]	< 200		µg/kg wet	200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*200*		µg/kg wet		*200*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*220*		µg/kg wet		*200*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*200*		µg/kg wet		*200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*240*		µg/kg wet		*200*		*120*	*30-150*		
LCS (1229513-BS1)					Prepared: 30-Nov-12 Analyzed: 01-Dec-12					
Aroclor-1016	**2010**		µg/kg wet	200	2500		80	40-140		
Aroclor-1016 [2C]	**2170**		µg/kg wet	200	2500		87	40-140		

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229513 - SW846 3540C										
LCS (1229513-BS1)					Prepared: 30-Nov-12 Analyzed: 01-Dec-12					
Aroclor-1260	**1730**		µg/kg wet	200	2500		69	40-140		
Aroclor-1260 [2C]	**1600**		µg/kg wet	200	2500		64	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*180*		µg/kg wet		*200*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*190*		µg/kg wet		*200*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*180*		µg/kg wet		*200*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*220*		µg/kg wet		*200*		*110*	*30-150*		
LCS Dup (1229513-BSD1)					Prepared: 30-Nov-12 Analyzed: 01-Dec-12					
Aroclor-1016	**2030**		µg/kg wet	200	2500		81	40-140	1	30
Aroclor-1016 [2C]	**2150**		µg/kg wet	200	2500		86	40-140	0.9	30
Aroclor-1260	**1750**		µg/kg wet	200	2500		70	40-140	1	30
Aroclor-1260 [2C]	**1610**		µg/kg wet	200	2500		64	40-140	0.6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*180*		µg/kg wet		*200*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*190*		µg/kg wet		*200*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*180*		µg/kg wet		*200*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*220*		µg/kg wet		*200*		*110*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1228695 - General Preparation										
Duplicate (1228695-DUP1)			Source: SB60132-01			Prepared & Analyzed: 20-Nov-12				
% Solids	99.3		%			98.8			0.5	20
Batch 1228696 - General Preparation										
Duplicate (1228696-DUP1)			Source: SB60132-21			Prepared & Analyzed: 20-Nov-12				
% Solids	98.1		%			98.1			0.08	20

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
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.
QM4	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
R01	The Reporting Limit has been raised to account for matrix interference.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

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

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

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

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

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

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

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

Validated by:
June O'Connor
Kimberly Wisk
Rebecca Merz

Utilize CTDAS Contract Rates J. SB 60132

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 5

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

Report To: TRC Environmental, 21 Griffin Rd North, Windsor, CT 06095
Telephone #: 860-298-6266
Project Mgr. Henry Lalibote

Invoice To: Henry Lalibote, TRC Environmental, 21 Griffin Rd North, Windsor, CT 06095
P.O. No.: C183572 RQN: _____

Project No.: 183572.4445.0710
Site Name: BIA-Terminal B-Concourse A
Location: Windsor Locks State: CT
Sampler(s): Tom Martin / Rob Mishak

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

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: MA DEP MCP 2002/35 VOC

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

QA/QC Reporting Level
- [x] Standard
- [ ] No QC
- [ ] DQA*
- [ ] NY ASP A*
- [ ] NY 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	MA 2002/35 VOC	State-specific reporting standards
60132 01	1A	11/6/12	0801	G	X1		X			X	C3 - Gate B3
02	1B	↓	0820	↓	↓		X			X	↓ - BSX Gate B1
03	1C	↓	0850					X		X	↓ - AAL Gate B5
04	2A	11/6/12	0934				X			X	C1 - BSX Gate B1
05	2B	↓	0954				X			X	↓ - Gate B3
06	2C	↓	1002				X			X	↓ - Gate B3
07	3A	11/6/12	1011					X		X	C4 - Women's 2
08	3B	↓	1015					X		X	↓ - ↓
09	3C	↓	1020					X		X	↓ - Men's 2
10	4A	↓	1043	↓	↓			X		X	WC1 - Security Hall

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[signature]	[signature]	11/15/12	10:54	
	JCH	11/15/12	1500	22

☐ EDD Format _____
☒ E-mail to HLalibote@TRCsolutions.com

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

SB60132 Sy 1

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CHAIN OF CUSTODY RECORD

Page 2 of 5

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

Report To: (Same as Page 1)

Telephone #:

Project Mgr.

Invoice To: (Same as Page 1)

P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710

Site Name: BIA - Terminal B - Concourse A

Location: Windsor Locks State: CT

Sampler(s): Tom Martin/Rob Mizbah/Guy Knapp/Mike Kostyuk

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

List preservative code below:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Caulk/glaze 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	VOC 8260/624								State-specific reporting standards:
60132-11	4B	11/14/12	0850	G	X1			1		X								WG1 - Exterior West
12	4C	↓	0850					1		X								WG1 - Exterior East
13	05A	11/6/12	[illegible]					1		X								WG2 - Rm 97
14	05B	↓	1157					1		X								↓ ↓
15	06A	11/6/12	1322					1		X								C6 - Rm 94
16	06B	↓	1334					1		X								↓ - Hall o/s 102
17	06C	↓	1358					1		X								↓ - Rm 115A
18	07A	11/6/12	1413					1		X								DWG2 - middle stair
19	07B	↓	1417					1		X								↓ - ↓
20	07A	↓	1431	↓	↓			1		✓								C5 - Grand Arrival Hall

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		11/15/12	1500	2.2

- [ ] EDD Format _____
- [x] E-mail to HLaliberte@TRCsolutions.com

Condition upon receipt:
- [ ] Ambient
- [ ] Iced
- [x] Refrigerated
- [ ] DI VOA Frozen
- [ ] Soil Jar Frozen

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes [ ] No [ ]
CT DPH RCP Report: Yes [x] No [ ]

QA/QC Reporting Level
- [x] Standard
- [ ] No QC
- [ ] DQA*
- [ ] NY ASP A*
- [ ] NY ASP B*
- [ ] NJ Reduced*
- [ ] NJ Full*
- [ ] TIER II*
- [ ] TIER IV*
- [ ] Other _____

State-specific reporting standards:

SB 60132

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 5

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

Report To: (Same as Page 1)

Telephone #: 860-297-6266

Project Mgr. Heavy Laliberte

Invoice To: (Same as Page 1)

P.O. No.: CR3572 RQN: _____

Project No.: 183572.4445.076

Site Name: BTA - Terminal B - Concourse A

Location: Windsor Locks State: CT

Sampler(s): Tom Martin / Rob Misbach

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

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: PLP 8082/3540C

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PLP 8082/3540C	State-specific reporting standards:
60132-21	08B	11/6/12	1445	G	X1			X		X	CS - Grand Flr Jewelry
22	09A		1503								DWG2 - Boardy Ramp P5
23	09B		1500								" - " " "
24	09C		1507								" - " " " BTD
25	10A	11/7/12	0806								SC1 - 1st Flr Bridge
26	10B		0813								" - " " "
27	10C		0816								" - " " "
28	11A		0821								SC2 - 1st Flr - Bridge
29	11B		0824								" - " " "
30	11C		0825								" - " " "

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		11/15/12	1540	2.2

- [ ] EDD Format _____
- [x] E-mail to HLaliberte@TRCsolutions.com

Condition upon receipt: [ ] Ambient [ ] Iced [x] Refrigerated [ ] DI VOA Frozen [ ] Soil Jar Frozen

SB 60132 Sm ✓

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 5

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

Report To: (Same as Page 1)

Telephone #:

Project Mgr.

Invoice To: (Same as Page 1)

P.O. No.: C183572 RQN:

Project No.: 183572.4445-0710

Site Name: BLA-Terminal B - Concourse A

Location: Windsor Locks State: CT

Sampler(s): Tom Martin/Rob Mitch

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

List preservative code below:

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

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: 1,2,3-TCP/3540

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	1,2,3-TCP/3540	QA/QC Reporting Notes: State-specific reporting standards:
60132-31	12A	11/7/12	0253	G	X1			X		X	DWG3 - Rm 113
32	12B	↓	0255	↓	↓			↓		↓	↓ - ↓
33	13A		0956								WCa - Gr. Flr. Poly
34	13B		0958								↓ -
35	13C		1000								↓ - ↓
36	14A		1033								C7 - NE overhang
37	14B		1036								↓ - ↓
38	14C		1040								↓ - NW overhang
39	15A		1122								C8 - Exterior-SE
40	15B	↓	1125	↓	↓			↓		↓	↓ - ↓ ↓

QA/QC Reporting Notes:
* additional charges may apply

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV* ☐ Other: _____

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☐ EDD Format _____

☒ E-mail to HLalibarte@TRCsolutions.com

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

SB 60132 Sy ✓

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CHAIN OF CUSTODY RECORD

Page 5 of 5

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

Report To: (Same as Page 1)

Telephone #:

Project Mgr.

Invoice To: (Same as Page 1)

P.O. No.: CB3572 RQN:

Project No.: 183572.4445.0710

Site Name: BIA - Terminal B - Concourse A

Location: Windsor Locks State: CT

Sampler(s): Tom Martin / Rob Misbach

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

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: PLD 8260/5035

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

QA/QC Reporting Level
- [x] Standard
- [ ] No QC
- [ ] DQA*
- [ ] NY ASP A*
- [ ] NY 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	PLD 8260/5035							State-specific reporting standards
60132-41	15C	11/7/12	1130	G	X1			X		X							CB - Exterior SE
42	16A	↓	1137	↓	↓			X		X							C9 - ↓ NE
43	16B	↓	1139	↓	↓			X		X							↓ - ↓ NE

Relinquished by:	Received by:	Date:	Time:	Temp°C
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	[signature]	11/15/12	1500	2.2

☐ EDD Format _____

☒ E-mail to HLiberto@TRCsolutions.com

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

Report Date:
10-Dec-12 16:15

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: BIA-Terminal B-Concourse A-Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB61032-01	17A	Caulk/Glaze	28-Nov-12 13:25	03-Dec-12 17:20
SB61032-02	17B	Caulk/Glaze	28-Nov-12 13:38	03-Dec-12 17:20
SB61032-03	17C	Caulk/Glaze	28-Nov-12 13:46	03-Dec-12 17:20
SB61032-04	18A	Caulk/Glaze	28-Nov-12 13:21	03-Dec-12 17:20
SB61032-05	19A	Caulk/Glaze	28-Nov-12 13:50	03-Dec-12 17:20
SB61032-06	19B	Caulk/Glaze	28-Nov-12 14:00	03-Dec-12 17:20
SB61032-07	19C	Caulk/Glaze	28-Nov-12 14:05	03-Dec-12 17:20
SB61032-08	20A	Caulk/Glaze	28-Nov-12 13:37	03-Dec-12 17:20
SB61032-09	20B	Caulk/Glaze	28-Nov-12 13:45	03-Dec-12 17:20
SB61032-10	20C	Caulk/Glaze	28-Nov-12 14:01	03-Dec-12 17:20

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

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

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 15 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

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

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: BIA-Terminal B-Concourse A-Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
11/28/2012

Laboratory Sample ID(s):
SB61032-01 through SB61032-10

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	✓ Yes	No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 12/10/2012

CASE NARRATIVE:

The samples were received 3.0 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.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

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

SW846 8082A

Samples:

SB61032-05 *19A*

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

SB61032-07 *19C*

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

SB61032-08 *20A*

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

SB61032-10 *20C*

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
17A SB61032-01	183572.4445.0710	Caulk/Glaze	28-Nov-12 13:25	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 162		µg/kg dry	162	80.8	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229993	X
11104-28-2	Aroclor-1221	< 162		µg/kg dry	162	146	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 162		µg/kg dry	162	104	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 162		µg/kg dry	162	95.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	501		µg/kg dry	162	79.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	921		µg/kg dry	162	119	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	388		µg/kg dry	162	62.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 162		µg/kg dry	162	151	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 162		µg/kg dry	162	50.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229906	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
17B SB61032-02	183572.4445.0710	Caulk/Glaze	28-Nov-12 13:38	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 160		µg/kg dry	160	79.7	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229993	X
11104-28-2	Aroclor-1221	< 160		µg/kg dry	160	144	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 160		µg/kg dry	160	102	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 160		µg/kg dry	160	94.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 160		µg/kg dry	160	78.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	447		µg/kg dry	160	67.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 160		µg/kg dry	160	61.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 160		µg/kg dry	160	149	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 160		µg/kg dry	160	50.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
17B SB61032-02	183572.4445.0710	Caulk/Glaze	28-Nov-12 13:38	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229906	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
17C SB61032-03	183572.4445.0710	Caulk/Glaze	28-Nov-12 13:46	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 186		µg/kg dry	186	92.9	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229993	X
11104-28-2	Aroclor-1221	< 186		µg/kg dry	186	167	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 186		µg/kg dry	186	119	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 186		µg/kg dry	186	109	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 186		µg/kg dry	186	91.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	511		µg/kg dry	186	78.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 186		µg/kg dry	186	83.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 186		µg/kg dry	186	173	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 186		µg/kg dry	186	58.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229906	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
18A	183572.4445.0710	Caulk/Glaze	28-Nov-12 13:21	03-Dec-12
SB61032-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 179		µg/kg dry	179	89.2	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229993	X
11104-28-2	Aroclor-1221	< 179		µg/kg dry	179	161	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 179		µg/kg dry	179	115	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 179		µg/kg dry	179	105	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 179		µg/kg dry	179	87.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	241		µg/kg dry	179	131	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 179		µg/kg dry	179	68.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 179		µg/kg dry	179	166	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 179		µg/kg dry	179	56.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229906	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
19A SB61032-05	183572.4445.0710	Caulk/Glaze	28-Nov-12 13:50	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1340	D	µg/kg dry	1340	668	10	SW846 8082A	05-Dec-12	10-Dec-12	BLM	1229993	X
11104-28-2	Aroclor-1221	< 1340	D	µg/kg dry	1340	1200	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1340	D	µg/kg dry	1340	858	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1340	D	µg/kg dry	1340	787	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1340	D	µg/kg dry	1340	656	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**54,800**	D	µg/kg dry	1340	567	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**2,210**	D	µg/kg dry	1340	512	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1340	D	µg/kg dry	1340	1250	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1340	D	µg/kg dry	1340	420	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**95.5**		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229906	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
19B SB61032-06	183572.4445.0710	Caulk/Glaze	28-Nov-12 14:00	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 159		µg/kg dry	159	79.3	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229993	X
11104-28-2	Aroclor-1221	< 159		µg/kg dry	159	143	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 159		µg/kg dry	159	102	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 159		µg/kg dry	159	93.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 159		µg/kg dry	159	77.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	20,100		µg/kg dry	159	67.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 159		µg/kg dry	159	60.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 159		µg/kg dry	159	146	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 159		µg/kg dry	159	49.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229906	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
19C SB61032-07	183572.4445.0710	Caulk/Glaze	28-Nov-12 14:05	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1480	D	µg/kg dry	1480	738	10	SW846 8082A	05-Dec-12	10-Dec-12	BLM	1229993	X
11104-28-2	Aroclor-1221	< 1480	D	µg/kg dry	1480	1330	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1480	D	µg/kg dry	1480	948	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1480	D	µg/kg dry	1480	870	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1480	D	µg/kg dry	1480	725	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	39,600	D	µg/kg dry	1480	627	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1480	D	µg/kg dry	1480	566	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1480	D	µg/kg dry	1480	1380	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1480	D	µg/kg dry	1480	464	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229906	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
20A SB61032-08	183572.4445.0710	Caulk/Glaze	28-Nov-12 13:37	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 394		µg/kg dry	394	197	1	SW846 8082A	05-Dec-12	10-Dec-12	BLM	1229993	X
11104-28-2	Aroclor-1221	< 394		µg/kg dry	394	355	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 394		µg/kg dry	394	253	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 394		µg/kg dry	394	232	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 394		µg/kg dry	394	193	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 394		µg/kg dry	394	289	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 394		µg/kg dry	394	151	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 394		µg/kg dry	394	367	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 394		µg/kg dry	394	124	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229906	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
20B SB61032-09	183572.4445.0710	Caulk/Glaze	28-Nov-12 13:45	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 180		µg/kg dry	180	90.1	1	SW846 8082A	05-Dec-12	10-Dec-12	BLM	1229993	X
11104-28-2	Aroclor-1221	< 180		µg/kg dry	180	162	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 180		µg/kg dry	180	116	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 180		µg/kg dry	180	106	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 180		µg/kg dry	180	88.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	406		µg/kg dry	180	132	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 180		µg/kg dry	180	69.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 180		µg/kg dry	180	168	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 180		µg/kg dry	180	56.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229906	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
20C SB61032-10	183572.4445.0710	Caulk/Glaze	28-Nov-12 14:01	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 944		µg/kg dry	944	472	1	SW846 8082A	05-Dec-12	10-Dec-12	BLM	1229993	X
11104-28-2	Aroclor-1221	< 944		µg/kg dry	944	851	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 944		µg/kg dry	944	606	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 944		µg/kg dry	944	556	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 944		µg/kg dry	944	463	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 944		µg/kg dry	944	693	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 944		µg/kg dry	944	362	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 944		µg/kg dry	944	880	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 944		µg/kg dry	944	297	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229906	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229993 - SW846 3540C										
Blank (1229993-BLK1)					Prepared: 05-Dec-12 Analyzed: 09-Dec-12					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*26.0*		µg/kg wet		*20.0*		*130*	*30-150*		
LCS (1229993-BS1)					Prepared: 05-Dec-12 Analyzed: 09-Dec-12					
Aroclor-1016	**192**		µg/kg wet	20.0	250		77	40-140		
Aroclor-1016 [2C]	**210**		µg/kg wet	20.0	250		84	40-140		
Aroclor-1260	**164**		µg/kg wet	20.0	250		66	40-140		
Aroclor-1260 [2C]	**147**		µg/kg wet	20.0	250		59	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.0*		µg/kg wet		*20.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS Dup (1229993-BSD1)					Prepared: 05-Dec-12 Analyzed: 09-Dec-12					
Aroclor-1016	**203**		µg/kg wet	20.0	250		81	40-140	6	30
Aroclor-1016 [2C]	**217**		µg/kg wet	20.0	250		87	40-140	3	30
Aroclor-1260	**165**		µg/kg wet	20.0	250		66	40-140	0.6	30
Aroclor-1260 [2C]	**146**		µg/kg wet	20.0	250		58	40-140	0.7	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Duplicate (1229993-DUP1)			**Source: SB61032-02**		Prepared: 05-Dec-12 Analyzed: 09-Dec-12					
Aroclor-1016	< 152		µg/kg dry	152		BRL				30
Aroclor-1016 [2C]	< 152		µg/kg dry	152		BRL				30
Aroclor-1221	< 152		µg/kg dry	152		BRL				30
Aroclor-1221 [2C]	< 152		µg/kg dry	152		BRL				30
Aroclor-1232	< 152		µg/kg dry	152		BRL				30
Aroclor-1232 [2C]	< 152		µg/kg dry	152		BRL				30
Aroclor-1242	< 152		µg/kg dry	152		BRL				30
Aroclor-1242 [2C]	< 152		µg/kg dry	152		BRL				30
Aroclor-1248	< 152		µg/kg dry	152		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229993 - SW846 3540C										
Duplicate (1229993-DUP1)			**Source: SB61032-02**		Prepared: 05-Dec-12 Analyzed: 09-Dec-12					
Aroclor-1248 [2C]	< 152		µg/kg dry	152		BRL				30
Aroclor-1254	**602**		µg/kg dry	152		407			21	30
Aroclor-1254 [2C]	**510**		µg/kg dry	152		447			13	30
Aroclor-1260	**122**	J	µg/kg dry	152		112			9	30
Aroclor-1260 [2C]	**106**	J	µg/kg dry	152		112			5	30
Aroclor-1262	< 152		µg/kg dry	152		BRL				30
Aroclor-1262 [2C]	< 152		µg/kg dry	152		BRL				30
Aroclor-1268	< 152		µg/kg dry	152		BRL				30
Aroclor-1268 [2C]	< 152		µg/kg dry	152		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*198*		µg/kg dry		*152*		*130*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*183*		µg/kg dry		*152*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*137*		µg/kg dry		*152*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*183*		µg/kg dry		*152*		*120*	*30-150*		
Matrix Spike (1229993-MS1)			**Source: SB61032-02**		Prepared: 05-Dec-12 Analyzed: 09-Dec-12					
Aroclor-1016	**1750**		µg/kg dry	142	1780	BRL	99	40-140		
Aroclor-1016 [2C]	**1730**		µg/kg dry	142	1780	BRL	98	40-140		
Aroclor-1260	**1460**		µg/kg dry	142	1780	112	76	40-140		
Aroclor-1260 [2C]	**1290**		µg/kg dry	142	1780	112	67	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*178*		µg/kg dry		*142*		*125*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*163*		µg/kg dry		*142*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*128*		µg/kg dry		*142*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*185*		µg/kg dry		*142*		*130*	*30-150*		
Matrix Spike Dup (1229993-MSD1)			**Source: SB61032-02**		Prepared: 05-Dec-12 Analyzed: 09-Dec-12					
Aroclor-1016	**2030**		µg/kg dry	158	1980	BRL	102	40-140	4	30
Aroclor-1016 [2C]	**2040**		µg/kg dry	158	1980	BRL	103	40-140	6	30
Aroclor-1260	**1660**		µg/kg dry	158	1980	112	78	40-140	3	30
Aroclor-1260 [2C]	**1570**		µg/kg dry	158	1980	112	74	40-140	10	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*206*		µg/kg dry		*158*		*130*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*190*		µg/kg dry		*158*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*150*		µg/kg dry		*158*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*214*		µg/kg dry		*158*		*135*	*30-150*		

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
R01	The Reporting Limit has been raised to account for matrix interference.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

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

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

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

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

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

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

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

Validated by:
June O'Connor
Kimberly Wisk

* Utilize CTDAS contract Rates *

SB61032 OK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

Report To: TRC
21 Griffin Rd North
Windsor, CT 06095
Telephone #: 860-298-5692
Project Mgr. Henry Laliberte

Invoice To: Henry Laliberte
TRC
21 Griffin Rd North
Windsor CT 06095
P.O. No.: 0183572 RQN:

Project No.: 183572-4445-00710
Site Name: BIA-Terminal B-Concourse A
Location: Windsor Locks State: CT
Sampler(s): T Martin / G Kaczynski

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

List preservative code below:

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

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: PCB 8082/3540C

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCB 8082/3540C
61032-01	17A	11/28/12	1325	G	X1			1		X
02	17B		1338					1		X
03	17C		1346					1		X
04	18A		1321					1		X
05	19A		1350					1		X
06	19B		1400					1		X
07	19C		1405					1		X
08	20A		1337					1		X
09	20B		1345					1		X
10	20C		1401					1		X

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other _____

State-specific reporting standards:

C10 - ext, east side south
- ext, " "
- ", west side
C11 - ext, NE side
C12 - ", east side south
- ", bridge area east
- "
C13 - ", east side
- ", NW side
should be C13 ", west side north

Relinquished by:	Received by:	Date:	Time:	Temp°C
		12-3-12	9:12	
		11/30/12	16:30	
		12-3-12	17:20	3.0

☐ EDD Format _____
☒ E-mail to HLaliberte@TRCsolutions.com

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

Report Date:
13-Dec-12 10:23

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Gregory Kaczynski

Project: BIA-Terminal B-Concourse A-Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB61373-01	21A	Caulk/Glaze	28-Nov-12 14:30	06-Dec-12 15:49
SB61373-02	23A	Caulk/Glaze	28-Nov-12 10:00	06-Dec-12 15:49
SB61373-03	24A	Caulk/Glaze	28-Nov-12 10:14	06-Dec-12 15:49
SB61373-04	24B	Caulk/Glaze	28-Nov-12 10:20	06-Dec-12 15:49
SB61373-05	25A	Caulk/Glaze	28-Nov-12 10:32	06-Dec-12 15:49
SB61373-06	25B	Caulk/Glaze	28-Nov-12 10:41	06-Dec-12 15:49

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

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

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 11 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

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

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: B1A-Terminal B-Concourse A-Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
11/28/2012

Laboratory Sample ID(s):
SB61373-01 through SB61373-06

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes No
3	Were samples received at an appropriate temperature?	✓ Yes No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	✓ Yes No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes ✓ No Yes No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes ✓ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 12/13/2012

CASE NARRATIVE:

The samples were received 3.0 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.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

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

SW846 8082A

Samples:

SB61373-02 *23A*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61373-03 *24A*

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

Aroclor-1254

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
21A SB61373-01	183572.4445.0710	Caulk/Glaze	28-Nov-12 14:30	06-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 183		µg/kg dry	183	91.7	1	SW846 8082A	10-Dec-12	12-Dec-12	IMR	1230300	X
11104-28-2	Aroclor-1221	< 183		µg/kg dry	183	165	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 183		µg/kg dry	183	118	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 183		µg/kg dry	183	108	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 183		µg/kg dry	183	90.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 183		µg/kg dry	183	135	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 183		µg/kg dry	183	70.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 183		µg/kg dry	183	171	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 183		µg/kg dry	183	57.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*135*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	10-Dec-12	10-Dec-12	DT	1230334	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
23A SB61373-02	183572.4445.0710	Caulk/Glaze	28-Nov-12 10:00	06-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 671	R01	µg/kg dry	671	335	1	SW846 8082A	10-Dec-12	12-Dec-12	IMR	1230300	X
11104-28-2	Aroclor-1221	< 671	R01	µg/kg dry	671	604	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 671	R01	µg/kg dry	671	431	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 671	R01	µg/kg dry	671	395	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 671	R01	µg/kg dry	671	329	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 671	R01	µg/kg dry	671	492	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 671	R01	µg/kg dry	671	257	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 671	R01	µg/kg dry	671	625	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 671	R01	µg/kg dry	671	211	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*135*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	10-Dec-12	10-Dec-12	DT	1230334	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
24A SB61373-03	183572.4445.0710	Caulk/Glaze	28-Nov-12 10:14	06-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 197		µg/kg dry	197	98.4	1	SW846 8082A	10-Dec-12	12-Dec-12	IMR	1230300	X
11104-28-2	Aroclor-1221	< 197		µg/kg dry	197	177	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 197		µg/kg dry	197	126	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 197		µg/kg dry	197	116	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 197		µg/kg dry	197	96.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 394	R01	µg/kg dry	394	289	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 197		µg/kg dry	197	75.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 197		µg/kg dry	197	183	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 197		µg/kg dry	197	61.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	10-Dec-12	10-Dec-12	DT	1230334	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
24B	183572.4445.0710	Caulk/Glaze	28-Nov-12 10:20	06-Dec-12
SB61373-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 171		µg/kg dry	171	85.4	1	SW846 8082A	10-Dec-12	12-Dec-12	IMR	1230300	X
11104-28-2	Aroclor-1221	< 171		µg/kg dry	171	154	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 171		µg/kg dry	171	110	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 171		µg/kg dry	171	101	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 171		µg/kg dry	171	83.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 171		µg/kg dry	171	125	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 171		µg/kg dry	171	65.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 171		µg/kg dry	171	159	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 171		µg/kg dry	171	53.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	10-Dec-12	10-Dec-12	DT	1230334	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
25A SB61373-05	183572.4445.0710	Caulk/Glaze	28-Nov-12 10:32	06-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 166		µg/kg dry	166	83.0	1	SW846 8082A	10-Dec-12	12-Dec-12	IMR	1230300	X
11104-28-2	Aroclor-1221	< 166		µg/kg dry	166	150	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 166		µg/kg dry	166	107	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 166		µg/kg dry	166	97.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 166		µg/kg dry	166	81.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 166		µg/kg dry	166	122	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 166		µg/kg dry	166	63.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 166		µg/kg dry	166	155	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 166		µg/kg dry	166	52.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	10-Dec-12	10-Dec-12	DT	1230335	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
25B	183572.4445.0710	Caulk/Glaze	28-Nov-12 10:41	06-Dec-12
SB61373-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 146		µg/kg dry	146	73.0	1	SW846 8082A	10-Dec-12	12-Dec-12	IMR	1230300	X
11104-28-2	Aroclor-1221	< 146		µg/kg dry	146	132	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 146		µg/kg dry	146	93.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 146		µg/kg dry	146	86.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 146		µg/kg dry	146	71.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 146		µg/kg dry	146	107	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 146		µg/kg dry	146	56.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 146		µg/kg dry	146	136	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 146		µg/kg dry	146	45.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	10-Dec-12	10-Dec-12	DT	1230335	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1230300 - SW846 3540C										
Blank (1230300-BLK1)					Prepared: 10-Dec-12 Analyzed: 11-Dec-12					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.0*		µg/kg wet		*20.0*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
LCS (1230300-BS1)					Prepared: 10-Dec-12 Analyzed: 11-Dec-12					
Aroclor-1016	**251**		µg/kg wet	20.0	250		100	40-140		
Aroclor-1016 [2C]	**254**		µg/kg wet	20.0	250		102	40-140		
Aroclor-1260	**188**		µg/kg wet	20.0	250		75	40-140		
Aroclor-1260 [2C]	**164**		µg/kg wet	20.0	250		66	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS Dup (1230300-BSD1)					Prepared: 10-Dec-12 Analyzed: 11-Dec-12					
Aroclor-1016	**240**		µg/kg wet	20.0	250		96	40-140	4	30
Aroclor-1016 [2C]	**247**		µg/kg wet	20.0	250		99	40-140	3	30
Aroclor-1260	**182**		µg/kg wet	20.0	250		73	40-140	3	30
Aroclor-1260 [2C]	**163**		µg/kg wet	20.0	250		65	40-140	0.6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		

Notes and Definitions

R01	The Reporting Limit has been raised to account for matrix interference.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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

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

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

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

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

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

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

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

Validated by:
June O'Connor
Kimberly Wisk

SB61373 BY

TRC

21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

Edition: September 2007
Supersede Previous Edition

CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME	PARAMETERS	CONTAINERS	TURNAROUND TIME
183572.4445.0710	ConnDOT-BIA			X Standard TAT 7-10 Days; Rush TAT; Date Needed:
SIGNATURE	INSPECTOR: G.Kaczynski/Tom Martin			

Lab ID:	SAMPLE ID:	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1=Caulk/glaze)	Preservative	NOTES
01	21A	11/28/12	14:30		X		X		1	X1	N/A	DWG4
02	23A	11/28/12	10:00		X		X		1	X1	N/A	C14
03	24A	11/28/12	10:14		X		X		1	X1	N/A	C15
04	24B	11/28/12	10:20		X		X		1	X1	N/A	C15
05	25A	11/28/12	10:32		X		X		1	X1	N/A	C16
06	25B	11/28/12	10:41		X		X		1	X1	N/A	C16

Matrix is Caulk/Glaze for all samples.

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	12/6/12			12/6/12	
(Printed) Gregory Kaczynski	Time: 1640	(Printed) ELIE MAKHOUL	(Printed)	Time: 15:49	(Printed)

Remarks: Standard QA/QC Reporting Level
Report to: Henry Laliberte (hlaliberte@trcsolutions.com) (860) 298-6266
Include CT DPH RCP Report

Condition upon Receipt:

3.0 Ref.

Report Date:
19-Aug-13 17:08

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: Bradley International Airport-Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB74849-01	1	Caulk	08-Aug-13 09:17	12-Aug-13 12:50
SB74849-02	2	Caulk	08-Aug-13 09:25	12-Aug-13 12:50
SB74849-03	3	Caulk	08-Aug-13 08:55	12-Aug-13 12:50
SB74849-04	4	Caulk	08-Aug-13 09:06	12-Aug-13 12:50

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

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

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 11 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

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

Concourse A Bulks

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Bradley International Airport-Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
8/8/2013

Laboratory Sample ID(s):
SB74849-01 through SB74849-04

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes	✓ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 8/19/2013

CASE NARRATIVE:

The samples were received 1.4 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.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

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

SW846 8082A

Samples:

SB74849-01 *1*

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

Aroclor-1254

SB74849-02 *2*

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

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

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

SB74849-03 *3*

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

SW846 8082A

Samples:

SB74849-03 *3*

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

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

SB74849-04 *4*

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

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

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

Sample Acceptance Check Form

Client:	TRC - Windsor, CT
Project:	Bradley International Airport-Windsor Locks, CT / 183572.4445.0710
Work Order:	SB74849
Sample(s) received on:	8/12/2013
Received by:	Tanya Krivolenko

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

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1 SB74849-01	183572.4445.0710	Caulk	08-Aug-13 09:17	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 141		µg/kg dry	141	105	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319508	X
11104-28-2	Aroclor-1221	< 141		µg/kg dry	141	127	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 141		µg/kg dry	141	90.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 141		µg/kg dry	141	84.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 141		µg/kg dry	141	73.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,840	P	µg/kg dry	141	117	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	2,390		µg/kg dry	141	70.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 141		µg/kg dry	141	131	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 141		µg/kg dry	141	58.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*30*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*35*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.6		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319389	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
2				
SB74849-02	183572.4445.0710	Caulk	08-Aug-13 09:25	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 17300	D	µg/kg dry	17300	12900	100	SW846 8082A	14-Aug-13	19-Aug-13	BLM	1319508	X
11104-28-2	Aroclor-1221	< 17300	D	µg/kg dry	17300	15600	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 17300	D	µg/kg dry	17300	11100	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 17300	D	µg/kg dry	17300	10400	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 17300	D	µg/kg dry	17300	8990	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 17300	D	µg/kg dry	17300	14400	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 17300	D	µg/kg dry	17300	10700	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	291,000	D	µg/kg dry	17300	16100	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 17300	D	µg/kg dry	17300	7130	100	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.9		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319389	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
3 SB74849-03	183572.4445.0710	Caulk	08-Aug-13 08:55	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 31200	D	µg/kg dry	31200	23300	200	SW846 8082A	14-Aug-13	19-Aug-13	BLM	1319508	X
11104-28-2	Aroclor-1221	< 31200	D	µg/kg dry	31200	28100	200	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 31200	D	µg/kg dry	31200	20000	200	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 31200	D	µg/kg dry	31200	18800	200	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 31200	D	µg/kg dry	31200	16200	200	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	1,720,000	D	µg/kg dry	31200	18300	200	"	"	"	"	"	X
11096-82-5	Aroclor-1260	1,370,000	D	µg/kg dry	31200	19300	200	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 31200	D	µg/kg dry	31200	29000	200	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 31200	D	µg/kg dry	31200	12900	200	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.2		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319389	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
4 SB74849-04	183572.4445.0710	Caulk	08-Aug-13 09:06	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 16500	D	µg/kg dry	16500	12300	100	SW846 8082A	14-Aug-13	19-Aug-13	BLM	1319508	X
11104-28-2	Aroclor-1221	< 16500	D	µg/kg dry	16500	14900	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 16500	D	µg/kg dry	16500	10600	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 16500	D	µg/kg dry	16500	9920	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 16500	D	µg/kg dry	16500	8580	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	654,000	D	µg/kg dry	16500	9660	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260	320,000	D	µg/kg dry	16500	10200	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 16500	D	µg/kg dry	16500	15400	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 16500	D	µg/kg dry	16500	6810	100	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.9		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319389	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1319508 - SW846 3540C										
Blank (1319508-BLK1)					Prepared: 14-Aug-13 Analyzed: 16-Aug-13					
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*76.7*		µg/kg wet		*66.7*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
LCS (1319508-BS1)					Prepared: 14-Aug-13 Analyzed: 16-Aug-13					
Aroclor-1016	**820**		µg/kg wet	66.7	833		98	40-140		
Aroclor-1016 [2C]	**707**		µg/kg wet	66.7	833		85	40-140		
Aroclor-1260	**863**		µg/kg wet	66.7	833		104	40-140		
Aroclor-1260 [2C]	**663**		µg/kg wet	66.7	833		80	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*76.7*		µg/kg wet		*66.7*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*83.3*		µg/kg wet		*66.7*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
LCS Dup (1319508-BSD1)					Prepared: 14-Aug-13 Analyzed: 16-Aug-13					
Aroclor-1016	**823**		µg/kg wet	66.7	833		99	40-140	0.4	30
Aroclor-1016 [2C]	**743**		µg/kg wet	66.7	833		89	40-140	5	30
Aroclor-1260	**780**		µg/kg wet	66.7	833		94	40-140	10	30
Aroclor-1260 [2C]	**757**		µg/kg wet	66.7	833		91	40-140	13	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*76.7*		µg/kg wet		*66.7*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*83.3*		µg/kg wet		*66.7*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*63.3*		µg/kg wet		*66.7*		*95*	*30-150*		

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
P	Difference between the two GC columns is greater than 40%.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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

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

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

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

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

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

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

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

Validated by:
Kimberly Wisk

CT D[illegible] Rates Apply

SB 748[illegible] UIC

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day.
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Henry Laliberte
21 Griffin Rd North
Windsor, CT 06095
Telephone #: 860-798-5689
Project Mgr. Henry Laliberte

Invoice To: Same
P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710
Site Name: Bradley International Airport Concourse A
Location: Windsor Locks State: CT
Sampler(s): MKostrobe, G Kaczynski

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

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: 8082/2540C

Lab ID:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/2540C	State-specific reporting standards:
74844-01	1	8/8/13	0917	G	XI			1		X	WCa - Concourse A Hall entrance next to Rm 111A
02	2		0925								WCa - Concourse A Rm G-10
03	3		0855								CCI - Concourse A Rm 111
04	4		0906								CCI - Concourse A Rm G-10

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	8-12-13	1200	
[signature]	[signature]	8/9/13	1600	
	[signature]	8-12-13	12:50	

☐ EDD Format
☐ E-mail to HLaliberte@trsolutions.com

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

24/1/14 R02

Report Date:
03-Oct-13 15:41

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: BIA-Terminal B-Concourse A-Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB77722-01	CA-WCa-CM3-0"	Concrete	26-Sep-13 16:45	01-Oct-13 16:10
SB77722-02	CA-WCa-CM3-3"	Concrete	26-Sep-13 16:41	01-Oct-13 16:10
SB77722-03	1-DWG1	Caulk	23-Sep-13 13:52	01-Oct-13 16:10
SB77722-04	2-DWG1	Caulk	23-Sep-13 13:35	01-Oct-13 16:10
SB77722-05	3-DWG3	Caulk	23-Sep-13 14:35	01-Oct-13 16:10
SB77722-06	4-DWG5	Caulk	26-Sep-13 17:35	01-Oct-13 16:10

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

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

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 14 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

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

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.

Project Location: BIA-Terminal B-Concourse A-Windsor Locks, CT

Project Name and Number: BIA-Terminal B-Concourse A-Windsor Locks, CT / 183572.4445.0710

This form provides certification for the following data set: SB77722-01 through SB77722-06

Sample matrices:	**Analytical methods used:**
Caulk	SM2540 G Mod.
Concrete	SW846 8082A

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes	☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes	☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes	☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☑ Yes	☐ No *

* The compounds and/or elements reported are as 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.

Negative responses for A, B and C 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.

Nicole Leja

Nicole Leja
Laboratory Director
Date: 10/3/2013

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: BIA-Terminal B-Concourse A-Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
9/23/2013 through 9/26/2013

Laboratory Sample ID(s):
SB77722-01 through SB77722-06

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	✓ Yes	No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 10/3/2013

CASE NARRATIVE:

The samples were received 2.5 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

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

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

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

Sample Acceptance Check Form

Client:	TRC - Windsor, CT
Project:	BIA-Terminal B-Concourse A-Windsor Locks, CT / 183572.4445.0710
Work Order:	SB77722
Sample(s) received on:	10/1/2013
Received by:	Tanya Krivolenko

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

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-WCa-CM3-0"	183572.4445.0710	Concrete	26-Sep-13 16:45	01-Oct-13
SB77722-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.2		µg/kg dry	64.2	47.9	1	SW846 8082A	01-Oct-13	02-Oct-13	IMR	1323697	X
11104-28-2	Aroclor-1221	< 64.2		µg/kg dry	64.2	57.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.2		µg/kg dry	64.2	41.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.2		µg/kg dry	64.2	38.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.2		µg/kg dry	64.2	33.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.2		µg/kg dry	64.2	53.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	173		µg/kg dry	64.2	39.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.2		µg/kg dry	64.2	59.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.2		µg/kg dry	64.2	26.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	02-Oct-13	02-Oct-13	DT	1323771	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-WCa-CM3-3"	183572.4445.0710	Concrete	26-Sep-13 16:41	01-Oct-13
SB77722-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 53.5		µg/kg dry	53.5	40.0	1	SW846 8082A	01-Oct-13	02-Oct-13	IMR	1323697	X
11104-28-2	Aroclor-1221	< 53.5		µg/kg dry	53.5	48.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 53.5		µg/kg dry	53.5	34.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 53.5		µg/kg dry	53.5	32.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 53.5		µg/kg dry	53.5	27.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 53.5		µg/kg dry	53.5	44.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	110		µg/kg dry	53.5	33.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 53.5		µg/kg dry	53.5	49.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 53.5		µg/kg dry	53.5	22.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	02-Oct-13	02-Oct-13	DT	1323771	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1-DWG1	183572.4445.0710	Caulk	23-Sep-13 13:52	01-Oct-13
SB77722-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 122		µg/kg dry	122	91.1	1	SW846 8082A	01-Oct-13	02-Oct-13	IMR	1323697	X
11104-28-2	Aroclor-1221	< 122		µg/kg dry	122	110	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 122		µg/kg dry	122	78.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 122		µg/kg dry	122	73.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 122		µg/kg dry	122	63.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 122		µg/kg dry	122	102	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 122		µg/kg dry	122	75.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 122		µg/kg dry	122	114	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 122		µg/kg dry	122	50.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*135*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	02-Oct-13	02-Oct-13	DT	1323771	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
2-DWG1	183572.4445.0710	Caulk	23-Sep-13 13:35	01-Oct-13
SB77722-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 135		µg/kg dry	135	101	1	SW846 8082A	01-Oct-13	02-Oct-13	IMR	1323697	X
11104-28-2	Aroclor-1221	< 135		µg/kg dry	135	121	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 135		µg/kg dry	135	86.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 135		µg/kg dry	135	81.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 135		µg/kg dry	135	70.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 135		µg/kg dry	135	112	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 135		µg/kg dry	135	83.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 135		µg/kg dry	135	125	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 135		µg/kg dry	135	55.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	02-Oct-13	02-Oct-13	DT	1323771	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
3-DWG3 S[illegible]722-05	183572.4445.0710	Caulk	23-Sep-13 14:35	01-Oct-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 108		µg/kg dry	108	80.4	1	SW846 8082A	01-Oct-13	02-Oct-13	IMR	1323697	X
11104-28-2	Aroclor-1221	< 108		µg/kg dry	108	96.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 108		µg/kg dry	108	69.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 108		µg/kg dry	108	64.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 108		µg/kg dry	108	55.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 108		µg/kg dry	108	89.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 108		µg/kg dry	108	66.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 108		µg/kg dry	108	100	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 108		µg/kg dry	108	44.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*30*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*35*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	02-Oct-13	02-Oct-13	DT	1323771	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
4-DWG5	183572.4445.0710	Caulk	26-Sep-13 17:35	01-Oct-13
SB77722-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 155		µg/kg dry	155	116	1	SW846 8082A	01-Oct-13	02-Oct-13	IMR	1323697	X
11104-28-2	Aroclor-1221	< 155		µg/kg dry	155	139	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 155		µg/kg dry	155	99.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 155		µg/kg dry	155	93.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 155		µg/kg dry	155	80.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 155		µg/kg dry	155	129	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 155		µg/kg dry	155	96.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 155		µg/kg dry	155	144	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 155		µg/kg dry	155	63.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*35*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	02-Oct-13	02-Oct-13	DT	1323771	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1323697 - SW846 3540C										
Blank (1323697-BLK1)						Prepared: 01-Oct-13 Analyzed: 02-Oct-13				
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*43.3*		µg/kg wet		*66.7*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*40.0*		µg/kg wet		*66.7*		*60*	*30-150*		
LCS (1323697-BS1)						Prepared: 01-Oct-13 Analyzed: 02-Oct-13				
Aroclor-1016	**740**		µg/kg wet	66.7	833		89	40-140		
Aroclor-1016 [2C]	**683**		µg/kg wet	66.7	833		82	40-140		
Aroclor-1260	**617**		µg/kg wet	66.7	833		74	40-140		
Aroclor-1260 [2C]	**580**		µg/kg wet	66.7	833		70	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*40.0*		µg/kg wet		*66.7*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*40.0*		µg/kg wet		*66.7*		*60*	*30-150*		
LCS Dup (1323697-BSD1)						Prepared: 01-Oct-13 Analyzed: 02-Oct-13				
Aroclor-1016	**737**		µg/kg wet	66.7	833		88	40-140	0.5	30
Aroclor-1016 [2C]	**697**		µg/kg wet	66.7	833		84	40-140	2	30
Aroclor-1260	**610**		µg/kg wet	66.7	833		73	40-140	1	30
Aroclor-1260 [2C]	**600**		µg/kg wet	66.7	833		72	40-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*43.3*		µg/kg wet		*66.7*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*33.3*		µg/kg wet		*66.7*		*50*	*30-150*		
Duplicate (1323697-DUP1)			**Source: SB77722-02**			Prepared: 01-Oct-13 Analyzed: 02-Oct-13				
Aroclor-1016	< 63.6		µg/kg dry	63.6		BRL				30
Aroclor-1016 [2C]	< 63.6		µg/kg dry	63.6		BRL				30
Aroclor-1221	< 63.6		µg/kg dry	63.6		BRL				30
Aroclor-1221 [2C]	< 63.6		µg/kg dry	63.6		BRL				30
Aroclor-1232	< 63.6		µg/kg dry	63.6		BRL				30
Aroclor-1232 [2C]	< 63.6		µg/kg dry	63.6		BRL				30
Aroclor-1242	< 63.6		µg/kg dry	63.6		BRL				30
Aroclor-1242 [2C]	< 63.6		µg/kg dry	63.6		BRL				30
Aroclor-1248	< 63.6		µg/kg dry	63.6		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1323697 - SW846 3540C										
Duplicate (1323697-DUP1)			**Source: SB77722-02**		Prepared: 01-Oct-13 Analyzed: 02-Oct-13					
Aroclor-1248 [2C]	< 63.6		µg/kg dry	63.6		BRL				30
Aroclor-1254	< 63.6		µg/kg dry	63.6		BRL				30
Aroclor-1254 [2C]	< 63.6		µg/kg dry	63.6		BRL				30
Aroclor-1260	**108**		µg/kg dry	63.6		110			1	30
Aroclor-1260 [2C]	**95.3**		µg/kg dry	63.6		99.0			4	30
Aroclor-1262	< 63.6		µg/kg dry	63.6		BRL				30
Aroclor-1262 [2C]	< 63.6		µg/kg dry	63.6		BRL				30
Aroclor-1268	< 63.6		µg/kg dry	63.6		BRL				30
Aroclor-1268 [2C]	< 63.6		µg/kg dry	63.6		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*50.9*		µg/kg dry		*63.6*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*57.2*		µg/kg dry		*63.6*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*41.3*		µg/kg dry		*63.6*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*35.0*		µg/kg dry		*63.6*		*55*	*30-150*		
Matrix Spike (1323697-MS1)			**Source: SB77722-02**		Prepared: 01-Oct-13 Analyzed: 02-Oct-13					
Aroclor-1016	**542**		µg/kg dry	52.9	661	BRL	62	40-140		
Aroclor-1016 [2C]	**672**		µg/kg dry	52.9	661	BRL	102	40-140		
Aroclor-1260	**579**		µg/kg dry	52.9	661	110	71	40-140		
Aroclor-1260 [2C]	**611**		µg/kg dry	52.9	661	99.0	77	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*39.7*		µg/kg dry		*52.9*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*44.9*		µg/kg dry		*52.9*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*31.7*		µg/kg dry		*52.9*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*34.4*		µg/kg dry		*52.9*		*65*	*30-150*		
Matrix Spike Dup (1323697-MSD1)			**Source: SB77722-02**		Prepared: 01-Oct-13 Analyzed: 02-Oct-13					
Aroclor-1016	**541**		µg/kg dry	56.2	703	BRL	91	40-140	11	30
Aroclor-1016 [2C]	**686**		µg/kg dry	56.2	703	BRL	98	40-140	4	30
Aroclor-1260	**692**		µg/kg dry	56.2	703	110	83	40-140	15	30
Aroclor-1260 [2C]	**641**		µg/kg dry	56.2	703	99.0	77	40-140	0.4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*45.0*		µg/kg dry		*56.2*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*42.2*		µg/kg dry		*56.2*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*39.4*		µg/kg dry		*56.2*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*36.6*		µg/kg dry		*56.2*		*65*	*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.

Validated by:
June O'Connor

Utilize CT DAS Rates

V 10/7/13

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

~~Special Handling:~~
☐ ~~Standard TAT - 7 to 10 business days~~
☒ Rush TAT - Date Needed: 2 Day
· All TATs subject to laboratory approval.
· Min. ~~24-hour notification needed~~ for rushes.
· Samples disposed of after 60 days unless otherwise instructed.

Report To: TRC Environmental
21 Griffin Rd North
Windsor, CT 06095

Telephone #:

Project Mgr. Henry Laliberte

Invoice To: (Same as Report)

P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710
Site Name: ConnDOT-BIA - Concourse A
Location: Windsor Locks, CT State: CT
Sampler(s): Mike Kostrubala, Tom Martin

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

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Containers: Analyses:

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C	
1122-01	CA-WCa-CM3-0"	9/26/13	1145	G	X1		1			X	Mech 115A
02	CA-WCa-CM3-3"	9/26/13	1641	G	X1		1			X	↓
03	1-DW61	9/23/13	1352	↓	X2		↓			↓	~~Grab~~ Grab/Ctr-Mid stairwell
04	2-DW61	↓	1335								↓ ↓
05	3-DW63	↓	1435								Grab/Ctr - Rm 113
06	4-DW65	9/26/13	1735	↓	↓		↓			↓	Roop B6

351-1/25 IR02

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	10·1·13	935	
[signature]	[signature]	10-1-13	16:10	

☐ EDD Format
☒ E-mail to HLaliberte@TRCsolutions.com
GKaczynski@TRC " "

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

Report Date:
10-Dec-12 17:11

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: BIA-Terminal B-Concourse A-Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB61039-01	1A	Caulk/Glaze	26-Nov-12 08:51	03-Dec-12 17:00
SB61039-02	1B	Caulk/Glaze	26-Nov-12 08:58	03-Dec-12 17:00
SB61039-03	2A	Caulk/Glaze	26-Nov-12 13:00	03-Dec-12 17:00
SB61039-04	2B	Caulk/Glaze	26-Nov-12 13:05	03-Dec-12 17:00
SB61039-05	2C	Caulk/Glaze	26-Nov-12 13:11	03-Dec-12 17:00
SB61039-06	3A	Caulk/Glaze	26-Nov-12 10:45	03-Dec-12 17:00
SB61039-07	3B	Caulk/Glaze	26-Nov-12 10:55	03-Dec-12 17:00
SB61039-08	3C	Caulk/Glaze	26-Nov-12 11:05	03-Dec-12 17:00
SB61039-09	4A	Caulk/Glaze	26-Nov-12 14:30	03-Dec-12 17:00
SB61039-10	4B	Caulk/Glaze	26-Nov-12 14:40	03-Dec-12 17:00
SB61039-11	4C	Caulk/Glaze	26-Nov-12 14:45	03-Dec-12 17:00
SB61039-12	5A	Caulk/Glaze	26-Nov-12 13:18	03-Dec-12 17:00
SB61039-13	5B	Caulk/Glaze	26-Nov-12 14:05	03-Dec-12 17:00
SB61039-14	5C	Caulk/Glaze	26-Nov-12 14:10	03-Dec-12 17:00
SB61039-15	6A	Caulk/Glaze	26-Nov-12 13:33	03-Dec-12 17:00
SB61039-16	6B	Caulk/Glaze	26-Nov-12 13:38	03-Dec-12 17:00
SB61039-17	6C	Caulk/Glaze	26-Nov-12 13:40	03-Dec-12 17:00
SB61039-18	7A	Caulk/Glaze	26-Nov-12 13:45	03-Dec-12 17:00
SB61039-19	8A	Caulk/Glaze	26-Nov-12 14:35	03-Dec-12 17:00
SB61039-20	8B	Caulk/Glaze	26-Nov-12 14:40	03-Dec-12 17:00
SB61039-21	8C	Caulk/Glaze	26-Nov-12 15:00	03-Dec-12 17:00
SB61039-22	9A	Caulk/Glaze	26-Nov-12 11:40	03-Dec-12 17:00
SB61039-23	9B	Caulk/Glaze	26-Nov-12 11:42	03-Dec-12 17:00
SB61039-24	9C	Caulk/Glaze	26-Nov-12 11:45	03-Dec-12 17:00
SB61039-25	10A	Caulk/Glaze	27-Nov-12 08:08	03-Dec-12 17:00
SB61039-26	10B	Caulk/Glaze	27-Nov-12 08:12	03-Dec-12 17:00
SB61039-27	10C	Caulk/Glaze	26-Nov-12 08:18	03-Dec-12 17:00
SB61039-28	11A	Caulk/Glaze	26-Nov-12 11:39	03-Dec-12 17:00
SB61039-29	11B	Caulk/Glaze	29-Nov-12 11:41	03-Dec-12 17:00
SB61039-30	11C	Caulk/Glaze	29-Nov-12 11:45	03-Dec-12 17:00
SB61039-31	12A	Caulk/Glaze	26-Nov-12 11:15	03-Dec-12 17:00
SB61039-32	12B	Caulk/Glaze	26-Nov-12 11:30	03-Dec-12 17:00
SB61039-33	13A	Caulk/Glaze	27-Nov-12 10:38	03-Dec-12 17:00
SB61039-34	13B	Caulk/Glaze	27-Nov-12 10:48	03-Dec-12 17:00
SB61039-35	13C	Caulk/Glaze	27-Nov-12 11:22	03-Dec-12 17:00
SB61039-36	14A	Caulk/Glaze	27-Nov-12 08:25	03-Dec-12 17:00
SB61039-37	14B	Caulk/Glaze	27-Nov-12 08:30	03-Dec-12 17:00

SB61039-38	15A	Caulk/Glaze	27-Nov-12 10:40	03-Dec-12 17:00
SB61039-39	15B	Caulk/Glaze	27-Nov-12 10:45	03-Dec-12 17:00
SB61039-40	15C	Caulk/Glaze	27-Nov-12 10:50	03-Dec-12 17:00
SB61039-41	16A	Caulk/Glaze	27-Nov-12 08:55	03-Dec-12 17:00
SB61039-42	16B	Caulk/Glaze	27-Nov-12 09:10	03-Dec-12 17:00
SB61039-43	16C	Caulk/Glaze	27-Nov-12 09:10	03-Dec-12 17:00
SB61039-44	17A	Caulk/Glaze	27-Nov-12 08:48	03-Dec-12 17:00
SB61039-45	SI1A	Caulk/Glaze	27-Nov-12 11:45	03-Dec-12 17:00
SB61039-46	SI1B	Caulk/Glaze	27-Nov-12 11:50	03-Dec-12 17:00
SB61039-47	SI1C	Caulk/Glaze	27-Nov-12 11:55	03-Dec-12 17:00
SB61039-48	SI2A	Caulk/Glaze	27-Nov-12 12:00	03-Dec-12 17:00

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

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

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 64 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

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

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: BIA-Terminal B-Concourse A-Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
11/26/2012 through 11/29/2012

Laboratory Sample ID(s):
SB61039-01 through SB61039-48

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 12/10/2012

CASE NARRATIVE:

The samples were received 3.0 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.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

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

SW846 8082A

Spikes:

1229991-MS1 *Source: SB61039-16*

The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.

Aroclor-1016
Aroclor-1016 [2C]

1229991-MSD1 *Source: SB61039-16*

The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.

Aroclor-1016
Aroclor-1016 [2C]

Duplicates:

1229991-DUP1 *Source: SB61039-16*

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

Aroclor-1248
Aroclor-1248 [2C]
Aroclor-1254
Aroclor-1254 [2C]

Samples:

S215399-CCV1

SW846 8082A

Samples:

S215399-CCV1

Analyte percent difference is outside individual acceptance criteria (15), but within overall method allowances.

Aroclor-1016 (5) (15.1%)

This affected the following samples:

1229991-BLK1
2A
2B
2C
3A
3B
3C
5A
5B
5C
6A
6B
6C
7A
8A
8B

SB61039-01 *1A*

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

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

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

SB61039-02 *1B*

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

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

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

SB61039-09 *4A*

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

SB61039-10 *4B*

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

SW846 8082A

Samples:

SB61039-10 *4B*

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

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

SB61039-11 *4C*

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

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

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

SB61039-18 *7A*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61039-21 *8C*

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

SB61039-24 *9C*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61039-28 *11A*

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

Aroclor-1260
Aroclor-1262
Aroclor-1268

SW846 8082A

Samples:

SB61039-28 *11A*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SB61039-29 *11B*

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

Aroclor-1260
Aroclor-1262
Aroclor-1268

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SB61039-30 *11C*

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

Aroclor-1260
Aroclor-1262
Aroclor-1268

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SB61039-31 *12A*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61039-32 *12B*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61039-36 *14A*

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

SW846 8082A

Samples:

SB61039-37 *14B*

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

SB61039-38 *15A*

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

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

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

SB61039-39 *15B*

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

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

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

SB61039-40 *15C*

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

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

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

SB61039-41 *16A*

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

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

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

SB61039-42 *16B*

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

SW846 8082A

Samples:

SB61039-42 *16B*

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

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

SB61039-43 *16C*

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

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

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

SB61039-44 *17A*

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

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1A SB61039-01	183572.4445.0710	Caulk/Glaze	26-Nov-12 08:51	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 15700	D	µg/kg dry	15700	7850	100	SW846 8082A	05-Dec-12	10-Dec-12	IMR	1229891	X
11104-28-2	Aroclor-1221	< 15700	D	µg/kg dry	15700	14200	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 15700	D	µg/kg dry	15700	10100	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 15700	D	µg/kg dry	15700	9260	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 15700	D	µg/kg dry	15700	7710	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254	136,000	D	µg/kg dry	15700	11500	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260	29,100	D	µg/kg dry	15700	6030	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 15700	D	µg/kg dry	15700	14600	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 15700	D	µg/kg dry	15700	4940	100	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.4		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229906	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1B S[illegible]1039-02	183572.4445.0710	Caulk/Glaze	26-Nov-12 08:58	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 13500	D	µg/kg dry	13500	6730	100	SW846 8082A	05-Dec-12	10-Dec-12	IMR	1229991	X
11104-28-2	Aroclor-1221	< 13500	D	µg/kg dry	13500	12100	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 13500	D	µg/kg dry	13500	8650	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 13500	D	µg/kg dry	13500	7940	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13500	D	µg/kg dry	13500	6610	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**148,000**	D	µg/kg dry	13500	9880	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**26,300**	D	µg/kg dry	13500	5160	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 13500	D	µg/kg dry	13500	12500	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 13500	D	µg/kg dry	13500	4230	100	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**99.8**		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229906	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
2A SB61039-03	183572.4445.0710	Caulk/Glaze	26-Nov-12 13:00	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 140		µg/kg dry	140	69.8	1	SW846 8082A	05-Dec-12	08-Dec-12	BLM	1229991	X
11104-28-2	Aroclor-1221	< 140		µg/kg dry	140	126	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 140		µg/kg dry	140	89.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 140		µg/kg dry	140	82.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	1,310		µg/kg dry	140	68.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,640		µg/kg dry	140	59.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	566		µg/kg dry	140	62.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 140		µg/kg dry	140	130	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 140		µg/kg dry	140	43.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.3		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229906	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
2B S[illegible]039-04	183572.4445.0710	Caulk/Glaze	26-Nov-12 13:05	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 135		µg/kg dry	135	67.6	1	SW846 8082A	05-Dec-12	08-Dec-12	BLM	1229991	X
11104-28-2	Aroclor-1221	< 135		µg/kg dry	135	122	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 135		µg/kg dry	135	86.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 135		µg/kg dry	135	79.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	1,460		µg/kg dry	135	66.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,880		µg/kg dry	135	57.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	534		µg/kg dry	135	51.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 135		µg/kg dry	135	126	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 135		µg/kg dry	135	42.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.6		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229907	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
2C SB61039-05	183572.4445.0710	Caulk/Glaze	26-Nov-12 13:11	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 184		µg/kg dry	184	91.8	1	SW846 8082A	05-Dec-12	08-Dec-12	BLM	1229991	X
11104-28-2	Aroclor-1221	< 184		µg/kg dry	184	166	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 184		µg/kg dry	184	116	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 184		µg/kg dry	184	108	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 184		µg/kg dry	184	90.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	14,100		µg/kg dry	184	78.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	1,860		µg/kg dry	184	82.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 184		µg/kg dry	184	171	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 184		µg/kg dry	184	57.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.2		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229907	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
3A S[illegible]039-06	183572.4445.0710	Caulk/Glaze	26-Nov-12 10:45	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 182		µg/kg dry	182	90.8	1	SW846 8082A	05-Dec-12	08-Dec-12	BLM	1229991	X
11104-28-2	Aroclor-1221	< 182		µg/kg dry	182	164	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 182		µg/kg dry	182	117	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 182		µg/kg dry	182	107	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	3,730		µg/kg dry	182	73.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 182		µg/kg dry	182	133	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 182		µg/kg dry	182	69.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 182		µg/kg dry	182	169	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 182		µg/kg dry	182	57.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229907	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
3B SB61039-07	183572.4445.0710	Caulk/Glaze	26-Nov-12 10:55	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 145		µg/kg dry	145	72.4	1	SW846 8082A	05-Dec-12	08-Dec-12	BLM	1229991	X
11104-28-2	Aroclor-1221	< 145		µg/kg dry	145	131	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 145		µg/kg dry	145	93.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 145		µg/kg dry	145	85.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	1,670		µg/kg dry	145	58.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 145		µg/kg dry	145	106	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 145		µg/kg dry	145	55.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 145		µg/kg dry	145	135	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 145		µg/kg dry	145	45.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229907	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
3C SB61039-08	183572.4445.0710	Caulk/Glaze	26-Nov-12 11:05	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 143		µg/kg dry	143	71.5	1	SW846 8082A	05-Dec-12	08-Dec-12	BLM	1229991	X
11104-28-2	Aroclor-1221	< 143		µg/kg dry	143	129	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 143		µg/kg dry	143	91.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 143		µg/kg dry	143	84.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 143		µg/kg dry	143	70.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	5,300		µg/kg dry	143	60.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	20,300		µg/kg dry	143	54.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 143		µg/kg dry	143	133	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 143		µg/kg dry	143	44.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.4		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229907	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
4A SB61039-09	183572.4445.0710	Caulk/Glaze	26-Nov-12 14:30	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 3620	D	µg/kg dry	3620	1810	20	SW846 8082A	05-Dec-12	10-Dec-12	IMR	1229991	X
11104-28-2	Aroclor-1221	< 3620	D	µg/kg dry	3620	3270	20	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 3620	D	µg/kg dry	3620	2330	20	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 3620	D	µg/kg dry	3620	2130	20	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 3620	D	µg/kg dry	3620	1780	20	"	"	"	"	"	X
11097-69-1	Aroclor-1254	160,000	D	µg/kg dry	3620	1540	20	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 3620	D	µg/kg dry	3620	1390	20	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 3620	D	µg/kg dry	3620	3380	20	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 3620	D	µg/kg dry	3620	1140	20	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229907	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
4B S[illegible]939-10	183572.4445.0710	Caulk/Glaze	26-Nov-12 14:40	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 8780	D	µg/kg dry	8780	4390	50	SW846 8082A	05-Dec-12	10-Dec-12	IMR	1229991	X
11104-28-2	Aroclor-1221	< 8780	D	µg/kg dry	8780	7910	50	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 8780	D	µg/kg dry	8780	5630	50	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 8780	D	µg/kg dry	8780	5170	50	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 8780	D	µg/kg dry	8780	4310	50	"	"	"	"	"	X
11097-69-1	Aroclor-1254	272,000	D	µg/kg dry	8780	3720	50	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 8780	D	µg/kg dry	8780	3360	50	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 8780	D	µg/kg dry	8780	8180	50	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 8780	D	µg/kg dry	8780	2760	50	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229907	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
4C SB61039-11	183572.4445.0710	Caulk/Glaze	26-Nov-12 14:45	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 9130	D	µg/kg dry	9130	4560	50	SW846 8082A	05-Dec-12	10-Dec-12	IMR	1229991	X
11104-28-2	Aroclor-1221	< 9130	D	µg/kg dry	9130	8220	50	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 9130	D	µg/kg dry	9130	5860	50	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 9130	D	µg/kg dry	9130	5380	50	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 9130	D	µg/kg dry	9130	4480	50	"	"	"	"	"	X
11097-69-1	Aroclor-1254	290,000	D	µg/kg dry	9130	3870	50	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 9130	D	µg/kg dry	9130	3500	50	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 9130	D	µg/kg dry	9130	8500	50	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 9130	D	µg/kg dry	9130	2870	50	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	100		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229907	

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* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
5A S[illegible]039-12	183572.4445.0710	Caulk/Glaze	26-Nov-12 13:18	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 161		µg/kg dry	161	80.4	1	SW846 8082A	05-Dec-12	08-Dec-12	BLM	1229991	X
11104-28-2	Aroclor-1221	< 161		µg/kg dry	161	145	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 161		µg/kg dry	161	103	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 161		µg/kg dry	161	94.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	2,270		µg/kg dry	161	65.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,400		µg/kg dry	161	68.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	402		µg/kg dry	161	61.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 161		µg/kg dry	161	150	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 161		µg/kg dry	161	50.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229907	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
5B SB61039-13	183572.4445.0710	Caulk/Glaze	26-Nov-12 14:05	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 191		µg/kg dry	191	95.4	1	SW846 8082A	05-Dec-12	08-Dec-12	BLM	1229991	X
11104-28-2	Aroclor-1221	< 191		µg/kg dry	191	172	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 191		µg/kg dry	191	123	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 191		µg/kg dry	191	112	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	2,100		µg/kg dry	191	77.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,980		µg/kg dry	191	140	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	993		µg/kg dry	191	73.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 191		µg/kg dry	191	178	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 191		µg/kg dry	191	59.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229907	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
5C [illegible]1039-14	183572.4445.0710	Caulk/Glaze	26-Nov-12 14:10	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 175		µg/kg dry	175	87.3	1	SW846 8082A	05-Dec-12	08-Dec-12	BLM	1229991	X
11104-28-2	Aroclor-1221	< 175		µg/kg dry	175	157	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 175		µg/kg dry	175	112	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 175		µg/kg dry	175	103	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**2,100**		µg/kg dry	175	70.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**1,210**		µg/kg dry	175	74.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**253**		µg/kg dry	175	67.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 175		µg/kg dry	175	163	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 175		µg/kg dry	175	54.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.9		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229907	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
6A SB61039-15	183572.4445.0710	Caulk/Glaze	26-Nov-12 13:33	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 148		µg/kg dry	148	74.2	1	SW846 8082A	05-Dec-12	08-Dec-12	BLM	1229991	X
11104-28-2	Aroclor-1221	< 148		µg/kg dry	148	134	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 148		µg/kg dry	148	95.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 148		µg/kg dry	148	87.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	1,340		µg/kg dry	148	72.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,380		µg/kg dry	148	63.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	408		µg/kg dry	148	56.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 148		µg/kg dry	148	138	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 148		µg/kg dry	148	46.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229907	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
6B [redacted]939-16	183572.4445.0710	Caulk/Glaze	26-Nov-12 13:38	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 165		µg/kg dry	165	82.6	1	SW846 8082A	05-Dec-12	08-Dec-12	BLM	1229991	X
11104-28-2	Aroclor-1221	< 165		µg/kg dry	165	149	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 165		µg/kg dry	165	106	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 165		µg/kg dry	165	97.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	934		µg/kg dry	165	67.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	273		µg/kg dry	165	121	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 165		µg/kg dry	165	63.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 165		µg/kg dry	165	154	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 165		µg/kg dry	165	51.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229907	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
6C SB61039-17	183572.4445.0710	Caulk/Glaze	26-Nov-12 13:40	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 109		µg/kg dry	109	54.6	1	SW846 8082A	05-Dec-12	08-Dec-12	BLM	1229991	X
11104-28-2	Aroclor-1221	< 109		µg/kg dry	109	98.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 109		µg/kg dry	109	70.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 109		µg/kg dry	109	64.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 109		µg/kg dry	109	53.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	961		µg/kg dry	109	46.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	213		µg/kg dry	109	41.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 109		µg/kg dry	109	102	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 109		µg/kg dry	109	34.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229907	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
7A S[illegible]039-18	183572.4445.0710	Caulk/Glaze	26-Nov-12 13:45	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 514	R01	µg/kg dry	514	257	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229991	X
11104-28-2	Aroclor-1221	< 514	R01	µg/kg dry	514	463	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 514	R01	µg/kg dry	514	330	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 514	R01	µg/kg dry	514	303	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 514	R01	µg/kg dry	514	252	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 514	R01	µg/kg dry	514	377	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 514	R01	µg/kg dry	514	197	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 514	R01	µg/kg dry	514	479	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 514	R01	µg/kg dry	514	161	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.9		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229907	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
8A SB61039-19	183572.4445.0710	Caulk/Glaze	26-Nov-12 14:35	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 190		µg/kg dry	190	94.8	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229991	X
11104-28-2	Aroclor-1221	< 190		µg/kg dry	190	171	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 190		µg/kg dry	190	122	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 190		µg/kg dry	190	112	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 190		µg/kg dry	190	93.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	10,100		µg/kg dry	190	80.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 190		µg/kg dry	190	72.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 190		µg/kg dry	190	177	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 190		µg/kg dry	190	59.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229907	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
8B S[illegible]039-20	183572.4445.0710	Caulk/Glaze	26-Nov-12 14:40	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 161		µg/kg dry	161	80.6	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229991	X
11104-28-2	Aroclor-1221	< 161		µg/kg dry	161	145	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 161		µg/kg dry	161	104	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 161		µg/kg dry	161	95.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 161		µg/kg dry	161	79.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	17,100		µg/kg dry	161	68.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 161		µg/kg dry	161	61.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 161		µg/kg dry	161	150	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 161		µg/kg dry	161	50.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229907	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
8C SB61039-21	183572.4445.0710	Caulk/Glaze	26-Nov-12 15:00	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1770	D	µg/kg dry	1770	884	10	SW846 8082A	05-Dec-12	10-Dec-12	IMR	1229992	X
11104-28-2	Aroclor-1221	< 1770	D	µg/kg dry	1770	1590	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1770	D	µg/kg dry	1770	1140	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1770	D	µg/kg dry	1770	1040	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**23,100**	D	µg/kg dry	1770	869	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**93,400**	D	µg/kg dry	1770	1300	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1770	D	µg/kg dry	1770	679	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1770	D	µg/kg dry	1770	1650	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1770	D	µg/kg dry	1770	556	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229907	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
9A S[illegible]9-22	183572.4445.0710	Caulk/Glaze	26-Nov-12 11:40	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 195		µg/kg dry	195	97.3	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229992	X
11104-28-2	Aroclor-1221	< 195		µg/kg dry	195	175	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 195		µg/kg dry	195	125	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 195		µg/kg dry	195	115	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 195		µg/kg dry	195	95.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 195		µg/kg dry	195	143	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 195		µg/kg dry	195	74.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 195		µg/kg dry	195	181	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 195		µg/kg dry	195	61.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	06-Dec-12	05-Dec-12	DT	1229907	

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* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
9B SB61039-23	183572.4445.0710	Caulk/Glaze	26-Nov-12 11:42	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 194		µg/kg dry	194	97.1	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229992	X
11104-28-2	Aroclor-1221	< 194		µg/kg dry	194	175	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 194		µg/kg dry	194	125	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 194		µg/kg dry	194	114	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 194		µg/kg dry	194	95.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 194		µg/kg dry	194	143	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 194		µg/kg dry	194	74.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 194		µg/kg dry	194	181	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 194		µg/kg dry	194	61.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229907	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
9C S[illegible]39-24	183572.4445.0710	Caulk/Glaze	26-Nov-12 11:45	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 826	R01	µg/kg dry	826	413	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229992	X
11104-28-2	Aroclor-1221	< 826	R01	µg/kg dry	826	744	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 826	R01	µg/kg dry	826	530	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 826	R01	µg/kg dry	826	486	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 826	R01	µg/kg dry	826	405	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 826	R01	µg/kg dry	826	606	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 826	R01	µg/kg dry	826	317	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 826	R01	µg/kg dry	826	769	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 826	R01	µg/kg dry	826	259	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.7		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229908	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
10A	183572.4445.0710	Caulk/Glaze	27-Nov-12 08:08	03-Dec-12
SB61039-25				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 183		µg/kg dry	183	91.3	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229992	X
11104-28-2	Aroclor-1221	< 183		µg/kg dry	183	165	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 183		µg/kg dry	183	117	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 183		µg/kg dry	183	108	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	3,130		µg/kg dry	183	74.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,350		µg/kg dry	183	77.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 183		µg/kg dry	183	70.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 183		µg/kg dry	183	170	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 183		µg/kg dry	183	57.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229908	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
10B	183572.4445.0710	Caulk/Glaze	27-Nov-12 08:12	03-Dec-12
S[illegible]939-26				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 200		µg/kg dry	200	100	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229992	X
11104-28-2	Aroclor-1221	< 200		µg/kg dry	200	180	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 200		µg/kg dry	200	128	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 200		µg/kg dry	200	118	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	6,820		µg/kg dry	200	81.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	4,930		µg/kg dry	200	84.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 200		µg/kg dry	200	76.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 200		µg/kg dry	200	186	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 200		µg/kg dry	200	62.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229908	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
10C SB61039-27	183572.4445.0710	Caulk/Glaze	26-Nov-12 08:18	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 182		µg/kg dry	182	90.7	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229992	X
11104-28-2	Aroclor-1221	< 182		µg/kg dry	182	164	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 182		µg/kg dry	182	117	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 182		µg/kg dry	182	107	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 182		µg/kg dry	182	89.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	735		µg/kg dry	182	133	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 182		µg/kg dry	182	69.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 182		µg/kg dry	182	169	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 182		µg/kg dry	182	57.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229908	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
11A S[illegible]39-28	183572.4445.0710	Caulk/Glaze	26-Nov-12 11:39	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 134		µg/kg dry	134	66.9	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229992	X
11104-28-2	Aroclor-1221	< 134		µg/kg dry	134	121	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 134		µg/kg dry	134	85.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 134		µg/kg dry	134	78.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 134		µg/kg dry	134	65.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,730		µg/kg dry	134	98.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 268	R01	µg/kg dry	268	103	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 268	R01	µg/kg dry	268	249	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 268	R01	µg/kg dry	268	84.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*35*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*610*	S02		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229908	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
11B	183572.4445.0710	Caulk/Glaze	29-Nov-12 11:41	03-Dec-12
SB61039-29				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 120		µg/kg dry	120	59.8	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229992	X
11104-28-2	Aroclor-1221	< 120		µg/kg dry	120	108	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 120		µg/kg dry	120	76.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 120		µg/kg dry	120	70.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 120		µg/kg dry	120	58.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,000		µg/kg dry	120	50.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 239	R01	µg/kg dry	239	91.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 239	R01	µg/kg dry	239	223	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 239	R01	µg/kg dry	239	75.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*2040*	S02		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229908	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
11C S[illegible]39-30	183572.4445.0710	Caulk/Glaze	29-Nov-12 11:45	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 124		µg/kg dry	124	62.1	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229992	X
11104-28-2	Aroclor-1221	< 124		µg/kg dry	124	112	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 124		µg/kg dry	124	79.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 124		µg/kg dry	124	73.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 124		µg/kg dry	124	61.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,040		µg/kg dry	124	52.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 249	R01	µg/kg dry	249	95.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 249	R01	µg/kg dry	249	232	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 249	R01	µg/kg dry	249	78.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*3650*	S02		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.2		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229908	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
12A SB61039-31	183572.4445.0710	Caulk/Glaze	26-Nov-12 11:15	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 717	R01	µg/kg dry	717	358	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229992	X
11104-28-2	Aroclor-1221	< 717	R01	µg/kg dry	717	646	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 717	R01	µg/kg dry	717	460	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 717	R01	µg/kg dry	717	422	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 717	R01	µg/kg dry	717	352	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 717	R01	µg/kg dry	717	526	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 717	R01	µg/kg dry	717	275	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 717	R01	µg/kg dry	717	668	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 717	R01	µg/kg dry	717	225	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.4		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229908	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
12B SB61039-32	183572.4445.0710	Caulk/Glaze	26-Nov-12 11:30	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 870	R01	µg/kg dry	870	435	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229992	X
11104-28-2	Aroclor-1221	< 870	R01	µg/kg dry	870	784	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 870	R01	µg/kg dry	870	559	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 870	R01	µg/kg dry	870	513	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 870	R01	µg/kg dry	870	427	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 870	R01	µg/kg dry	870	638	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 870	R01	µg/kg dry	870	334	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 870	R01	µg/kg dry	870	811	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 870	R01	µg/kg dry	870	273	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229908	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
13A SB61039-33	183572.4445.0710	Caulk/Glaze	27-Nov-12 10:38	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 166		µg/kg dry	166	82.7	1	SW846 8082A	05-Dec-12	10-Dec-12	IMR	1229992	X
11104-28-2	Aroclor-1221	< 166		µg/kg dry	166	149	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 166		µg/kg dry	166	106	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 166		µg/kg dry	166	97.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 166		µg/kg dry	166	81.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,350		µg/kg dry	166	70.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	331		µg/kg dry	166	63.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 166		µg/kg dry	166	154	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 166		µg/kg dry	166	52.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.9		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229908	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
13B S[redacted]39-34	183572.4445.0710	Caulk/Glaze	27-Nov-12 10:48	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 144		µg/kg dry	144	71.8	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229992	X
11104-28-2	Aroclor-1221	< 144		µg/kg dry	144	129	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 144		µg/kg dry	144	92.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 144		µg/kg dry	144	84.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	352		µg/kg dry	144	58.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	352		µg/kg dry	144	60.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 144		µg/kg dry	144	55.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 144		µg/kg dry	144	134	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 144		µg/kg dry	144	45.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	98.2		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229908	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
13C SB61039-35	183572.4445.0710	Caulk/Glaze	27-Nov-12 11:22	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 189		µg/kg dry	189	94.4	1	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229992	X
11104-28-2	Aroclor-1221	< 189		µg/kg dry	189	170	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 189		µg/kg dry	189	121	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 189		µg/kg dry	189	111	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	406		µg/kg dry	189	76.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	916		µg/kg dry	189	80.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	1,660		µg/kg dry	189	72.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 189		µg/kg dry	189	176	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 189		µg/kg dry	189	59.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229908	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
14A SB61039-36	183572.4445.0710	Caulk/Glaze	27-Nov-12 08:25	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1840	D	µg/kg dry	1840	917	10	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229992	X
11104-28-2	Aroclor-1221	< 1840	D	µg/kg dry	1840	1650	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1840	D	µg/kg dry	1840	1180	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1840	D	µg/kg dry	1840	1080	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1840	D	µg/kg dry	1840	901	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**57,100**	D	µg/kg dry	1840	1350	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1840	D	µg/kg dry	1840	704	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1840	D	µg/kg dry	1840	1710	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1840	D	µg/kg dry	1840	577	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**99.1**		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229908	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
14B	183572.4445.0710	Caulk/Glaze	27-Nov-12 08:30	03-Dec-12
SB61039-37				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1680	D	µg/kg dry	1680	841	10	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229992	X
11104-28-2	Aroclor-1221	< 1680	D	µg/kg dry	1680	1520	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1680	D	µg/kg dry	1680	1080	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1680	D	µg/kg dry	1680	992	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**12,300**	D	µg/kg dry	1680	826	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**39,100**	D	µg/kg dry	1680	1240	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1680	D	µg/kg dry	1680	646	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1680	D	µg/kg dry	1680	1570	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1680	D	µg/kg dry	1680	529	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**99.1**		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229908	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
15A S[illegible]39-38	183572.4445.0710	Caulk/Glaze	27-Nov-12 10:40	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 990000	D	µg/kg dry	990000	495000	5000	SW846 8082A	05-Dec-12	10-Dec-12	IMR	1229992	X
11104-28-2	Aroclor-1221	< 990000	D	µg/kg dry	990000	892000	5000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 990000	D	µg/kg dry	990000	636000	5000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 990000	D	µg/kg dry	990000	583000	5000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 990000	D	µg/kg dry	990000	486000	5000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	10,800,000	D	µg/kg dry	990000	726000	5000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 990000	D	µg/kg dry	990000	380000	5000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 990000	D	µg/kg dry	990000	922000	5000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 990000	D	µg/kg dry	990000	311000	5000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	95.5		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229908	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
15B SB61039-39	183572.4445.0710	Caulk/Glaze	27-Nov-12 10:45	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 980000	D	µg/kg dry	980000	490000	5000	SW846 8082A	05-Dec-12	10-Dec-12	IMR	1229992	X
11104-28-2	Aroclor-1221	< 980000	D	µg/kg dry	980000	883000	5000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 980000	D	µg/kg dry	980000	629000	5000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 980000	D	µg/kg dry	980000	578000	5000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 980000	D	µg/kg dry	980000	481000	5000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**11,700,000**	D	µg/kg dry	980000	719000	5000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 980000	D	µg/kg dry	980000	376000	5000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 980000	D	µg/kg dry	980000	913000	5000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 980000	D	µg/kg dry	980000	308000	5000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.3		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229908	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
15C SB61039-40	183572.4445.0710	Caulk/Glaze	27-Nov-12 10:50	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 920000	D	µg/kg dry	920000	460000	5000	SW846 8082A	05-Dec-12	10-Dec-12	IMR	1229992	X
11104-28-2	Aroclor-1221	< 920000	D	µg/kg dry	920000	829000	5000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 920000	D	µg/kg dry	920000	590000	5000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 920000	D	µg/kg dry	920000	542000	5000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 920000	D	µg/kg dry	920000	451000	5000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	9,840,000	D	µg/kg dry	920000	675000	5000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 920000	D	µg/kg dry	920000	353000	5000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 920000	D	µg/kg dry	920000	857000	5000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 920000	D	µg/kg dry	920000	289000	5000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.0		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229908	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
16A SB61039-41	183572.4445.0710	Caulk/Glaze	27-Nov-12 08:55	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 208000	D	µg/kg dry	208000	104000	1000	SW846 8082A	05-Dec-12	10-Dec-12	BLM	1229993	X
11104-28-2	Aroclor-1221	< 208000	D	µg/kg dry	208000	187000	1000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 208000	D	µg/kg dry	208000	133000	1000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 208000	D	µg/kg dry	208000	122000	1000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 208000	D	µg/kg dry	208000	102000	1000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,210,000	D	µg/kg dry	208000	88100	1000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 208000	D	µg/kg dry	208000	79600	1000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 208000	D	µg/kg dry	208000	193000	1000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 208000	D	µg/kg dry	208000	65200	1000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	93.9		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229908	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
16B S[illegible]039-42	183572.4445.0710	Caulk/Glaze	27-Nov-12 09:10	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 209000	D	µg/kg dry	209000	104000	1000	SW846 8082A	05-Dec-12	10-Dec-12	BLM	1229993	X
11104-28-2	Aroclor-1221	< 209000	D	µg/kg dry	209000	188000	1000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 209000	D	µg/kg dry	209000	134000	1000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 209000	D	µg/kg dry	209000	123000	1000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 209000	D	µg/kg dry	209000	103000	1000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	11,800,000	D	µg/kg dry	209000	153000	1000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 209000	D	µg/kg dry	209000	80100	1000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 209000	D	µg/kg dry	209000	195000	1000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 209000	D	µg/kg dry	209000	65600	1000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	93.4		%			1	SM2540 G Mod.	05-Dec-12	06-Dec-12	DT	1229908	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
16C SB61039-43	183572.4445.0710	Caulk/Glaze	27-Nov-12 09:10	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1060000	D	µg/kg dry	1060000	530000	5000	SW846 8082A	05-Dec-12	10-Dec-12	BLM	1229993	X
11104-28-2	Aroclor-1221	< 1060000	D	µg/kg dry	1060000	956000	5000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1060000	D	µg/kg dry	1060000	681000	5000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1060000	D	µg/kg dry	1060000	625000	5000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1060000	D	µg/kg dry	1060000	521000	5000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	21,500,000	D	µg/kg dry	1060000	450000	5000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1060000	D	µg/kg dry	1060000	407000	5000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1060000	D	µg/kg dry	1060000	988000	5000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1060000	D	µg/kg dry	1060000	333000	5000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	94.2		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229908	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
17A S[illegible]039-44	183572.4445.0710	Caulk/Glaze	27-Nov-12 08:48	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1920	D	µg/kg dry	1920	957	10	SW846 8082A	05-Dec-12	10-Dec-12	BLM	1229993	X
11104-28-2	Aroclor-1221	< 1920	D	µg/kg dry	1920	1730	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1920	D	µg/kg dry	1920	1230	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1920	D	µg/kg dry	1920	1130	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1920	D	µg/kg dry	1920	940	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 1920	D	µg/kg dry	1920	1400	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1920	D	µg/kg dry	1920	734	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1920	D	µg/kg dry	1920	1780	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1920	D	µg/kg dry	1920	601	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*700*	S02		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229917	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SI1A	183572.4445.0710	Caulk/Glaze	27-Nov-12 11:45	03-Dec-12
SB61039-45				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 176		µg/kg dry	176	88.1	1	SW846 8082A	05-Dec-12	10-Dec-12	BLM	1229993	X
11104-28-2	Aroclor-1221	< 176		µg/kg dry	176	159	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 176		µg/kg dry	176	113	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 176		µg/kg dry	176	104	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 176		µg/kg dry	176	86.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	4,350		µg/kg dry	176	74.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	2,420		µg/kg dry	176	67.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 176		µg/kg dry	176	164	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 176		µg/kg dry	176	55.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229917	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SI1B	183572.4445.0710	Caulk/Glaze	27-Nov-12 11:50	03-Dec-12
S[illegible]039-46				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 170		µg/kg dry	170	85.0	1	SW846 8082A	05-Dec-12	10-Dec-12	BLM	1229993	X
11104-28-2	Aroclor-1221	< 170		µg/kg dry	170	153	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 170		µg/kg dry	170	109	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 170		µg/kg dry	170	100	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 170		µg/kg dry	170	83.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**5,700**		µg/kg dry	170	72.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**961**		µg/kg dry	170	65.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 170		µg/kg dry	170	158	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 170		µg/kg dry	170	53.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*145*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**98.6**		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229917	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SI1C SB61039-47	183572.4445.0710	Caulk/Glaze	27-Nov-12 11:55	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 177		µg/kg dry	177	88.4	1	SW846 8082A	05-Dec-12	10-Dec-12	BLM	1229993	X
11104-28-2	Aroclor-1221	< 177		µg/kg dry	177	159	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 177		µg/kg dry	177	114	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 177		µg/kg dry	177	104	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 177		µg/kg dry	177	86.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	593		µg/kg dry	177	130	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 177		µg/kg dry	177	67.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 177		µg/kg dry	177	165	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 177		µg/kg dry	177	55.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229917	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SI2A	183572.4445.0710	Caulk/Glaze	27-Nov-12 12:00	03-Dec-12
S[illegible]039-48				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 179		µg/kg dry	179	89.7	1	SW846 8082A	05-Dec-12	10-Dec-12	BLM	1229993	X
11104-28-2	Aroclor-1221	< 179		µg/kg dry	179	162	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 179		µg/kg dry	179	115	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 179		µg/kg dry	179	106	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 179		µg/kg dry	179	88.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	673		µg/kg dry	179	132	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 179		µg/kg dry	179	68.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 179		µg/kg dry	179	167	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 179		µg/kg dry	179	56.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229917	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229991 - SW846 3540C										
Blank (1229991-BLK1)						Prepared: 05-Dec-12 Analyzed: 08-Dec-12				
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
LCS (1229991-BS1)						Prepared: 05-Dec-12 Analyzed: 08-Dec-12				
Aroclor-1016	**199**		µg/kg wet	20.0	250		80	40-140		
Aroclor-1016 [2C]	**221**		µg/kg wet	20.0	250		88	40-140		
Aroclor-1260	**167**		µg/kg wet	20.0	250		67	40-140		
Aroclor-1260 [2C]	**152**		µg/kg wet	20.0	250		61	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.0*		µg/kg wet		*20.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS Dup (1229991-BSD1)						Prepared: 05-Dec-12 Analyzed: 08-Dec-12				
Aroclor-1016	**205**		µg/kg wet	20.0	250		82	40-140	3	30
Aroclor-1016 [2C]	**224**		µg/kg wet	20.0	250		90	40-140	1	30
Aroclor-1260	**172**		µg/kg wet	20.0	250		69	40-140	3	30
Aroclor-1260 [2C]	**166**		µg/kg wet	20.0	250		66	40-140	9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.0*		µg/kg wet		*20.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Duplicate (1229991-DUP1)			**Source: SB61039-16**			Prepared: 05-Dec-12 Analyzed: 08-Dec-12				
Aroclor-1016	< 173		µg/kg dry	173		BRL				30
Aroclor-1016 [2C]	< 173		µg/kg dry	173		BRL				30
Aroclor-1221	< 173		µg/kg dry	173		BRL				30
Aroclor-1221 [2C]	< 173		µg/kg dry	173		BRL				30
Aroclor-1232	< 173		µg/kg dry	173		BRL				30
Aroclor-1232 [2C]	< 173		µg/kg dry	173		BRL				30
Aroclor-1242	< 173		µg/kg dry	173		BRL				30
Aroclor-1242 [2C]	< 173		µg/kg dry	173		BRL				30
Aroclor-1248	**1610**	QM4	µg/kg dry	173		835			63	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229991 - SW846 3540C										
Duplicate (1229991-DUP1)			Source: SB61039-16		Prepared: 05-Dec-12 Analyzed: 08-Dec-12					
Aroclor-1248 [2C]	**1580**	QM4	µg/kg dry	173		934			51	30
Aroclor-1254	**1260**	QM4	µg/kg dry	173		273			129	30
Aroclor-1254 [2C]	**1280**	QM4	µg/kg dry	173		265			132	30
Aroclor-1260	**156**	J	µg/kg dry	173		BRL				30
Aroclor-1260 [2C]	**164**	J	µg/kg dry	173		BRL				30
Aroclor-1262	< 173		µg/kg dry	173		BRL				30
Aroclor-1262 [2C]	< 173		µg/kg dry	173		BRL				30
Aroclor-1268	< 173		µg/kg dry	173		BRL				30
Aroclor-1268 [2C]	< 173		µg/kg dry	173		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*190*		µg/kg dry		*173*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*208*		µg/kg dry		*173*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*164*		µg/kg dry		*173*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*216*		µg/kg dry		*173*		*125*	*30-150*		
Matrix Spike (1229991-MS1)			Source: SB61039-16		Prepared: 05-Dec-12 Analyzed: 08-Dec-12					
Aroclor-1016	**3140**	QM1	µg/kg dry	163	2040	BRL	154	40-140		
Aroclor-1016 [2C]	**3320**	QM1	µg/kg dry	163	2040	BRL	163	40-140		
Aroclor-1260	**1970**		µg/kg dry	163	2040	BRL	97	40-140		
Aroclor-1260 [2C]	**1950**		µg/kg dry	163	2040	BRL	96	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*195*		µg/kg dry		*163*		*120*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*228*		µg/kg dry		*163*		*140*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*179*		µg/kg dry		*163*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*244*		µg/kg dry		*163*		*150*	*30-150*		
Matrix Spike Dup (1229991-MSD1)			Source: SB61039-16		Prepared: 05-Dec-12 Analyzed: 08-Dec-12					
Aroclor-1016	**3560**	QM1	µg/kg dry	186	2320	BRL	153	40-140	0.5	30
Aroclor-1016 [2C]	**3570**	QM1	µg/kg dry	186	2320	BRL	154	40-140	6	30
Aroclor-1260	**2250**		µg/kg dry	186	2320	BRL	97	40-140	0.00003	30
Aroclor-1260 [2C]	**2120**		µg/kg dry	186	2320	BRL	91	40-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*279*		µg/kg dry		*186*		*150*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*242*		µg/kg dry		*186*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*195*		µg/kg dry		*186*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*260*		µg/kg dry		*186*		*140*	*30-150*		
Batch 1229992 - SW846 3540C										
Blank (1229992-BLK1)					Prepared: 05-Dec-12 Analyzed: 09-Dec-12					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229992 - SW846 3540C										
Blank (1229992-BLK1)					Prepared: 05-Dec-12 Analyzed: 09-Dec-12					
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
LCS (1229992-BS1)					Prepared: 05-Dec-12 Analyzed: 09-Dec-12					
Aroclor-1016	**201**		µg/kg wet	20.0	250		80	40-140		
Aroclor-1016 [2C]	**202**		µg/kg wet	20.0	250		81	40-140		
Aroclor-1260	**171**		µg/kg wet	20.0	250		68	40-140		
Aroclor-1260 [2C]	**156**		µg/kg wet	20.0	250		62	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS Dup (1229992-BSD1)					Prepared: 05-Dec-12 Analyzed: 09-Dec-12					
Aroclor-1016	**202**		µg/kg wet	20.0	250		81	40-140	0.5	30
Aroclor-1016 [2C]	**208**		µg/kg wet	20.0	250		83	40-140	3	30
Aroclor-1260	**172**		µg/kg wet	20.0	250		69	40-140	0.6	30
Aroclor-1260 [2C]	**159**		µg/kg wet	20.0	250		64	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Duplicate (1229992-DUP1)			**Source: SB61039-33**		Prepared: 05-Dec-12 Analyzed: 09-Dec-12					
Aroclor-1016	< 177		µg/kg dry	177		BRL				30
Aroclor-1016 [2C]	< 177		µg/kg dry	177		BRL				30
Aroclor-1221	< 177		µg/kg dry	177		BRL				30
Aroclor-1221 [2C]	< 177		µg/kg dry	177		BRL				30
Aroclor-1232	< 177		µg/kg dry	177		BRL				30
Aroclor-1232 [2C]	< 177		µg/kg dry	177		BRL				30
Aroclor-1242	< 177		µg/kg dry	177		BRL				30
Aroclor-1242 [2C]	< 177		µg/kg dry	177		BRL				30
Aroclor-1248	< 177		µg/kg dry	177		BRL				30
Aroclor-1248 [2C]	< 177		µg/kg dry	177		BRL				30
Aroclor-1254	**1100**		µg/kg dry	177		1180			7	30
Aroclor-1254 [2C]	**1280**		µg/kg dry	177		1350			5	30
Aroclor-1260	**388**		µg/kg dry	177		331			16	30
Aroclor-1260 [2C]	**397**		µg/kg dry	177		315			23	30
Aroclor-1262	< 177		µg/kg dry	177		BRL				30
Aroclor-1262 [2C]	< 177		µg/kg dry	177		BRL				30
Aroclor-1268	< 177		µg/kg dry	177		BRL				30
Aroclor-1268 [2C]	< 177		µg/kg dry	177		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*168*		µg/kg dry		*177*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*168*		µg/kg dry		*177*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*141*		µg/kg dry		*177*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*168*		µg/kg dry		*177*		*95*	*30-150*		
Matrix Spike (1229992-MS1)			**Source: SB61039-33**		Prepared: 05-Dec-12 Analyzed: 09-Dec-12					
Aroclor-1016	**2480**		µg/kg dry	197	2460	BRL	101	40-140		
Aroclor-1016 [2C]	**2920**		µg/kg dry	197	2460	BRL	119	40-140		
Aroclor-1260	**2180**		µg/kg dry	197	2460	331	75	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229992 - SW846 3540C										
Matrix Spike (1229992-MS1)			**Source: SB61039-33**		Prepared: 05-Dec-12 Analyzed: 09-Dec-12					
Aroclor-1260 [2C]	**2030**		µg/kg dry	197	2460	315	70	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*246*		µg/kg dry		*197*		*125*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*256*		µg/kg dry		*197*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*197*		µg/kg dry		*197*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*226*		µg/kg dry		*197*		*115*	*30-150*		
Matrix Spike Dup (1229992-MSD1)			**Source: SB61039-33**		Prepared: 05-Dec-12 Analyzed: 09-Dec-12					
Aroclor-1016	**2320**		µg/kg dry	182	2270	BRL	102	40-140	2	30
Aroclor-1016 [2C]	**2480**		µg/kg dry	182	2270	BRL	109	40-140	8	30
Aroclor-1260	**1800**		µg/kg dry	182	2270	331	65	40-140	15	30
Aroclor-1260 [2C]	**1740**		µg/kg dry	182	2270	315	63	40-140	10	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*227*		µg/kg dry		*182*		*125*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*227*		µg/kg dry		*182*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*154*		µg/kg dry		*182*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*200*		µg/kg dry		*182*		*110*	*30-150*		
Batch 1229993 - SW846 3540C										
Blank (1229993-BLK1)					Prepared: 05-Dec-12 Analyzed: 09-Dec-12					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*26.0*		µg/kg wet		*20.0*		*130*	*30-150*		
LCS (1229993-BS1)					Prepared: 05-Dec-12 Analyzed: 09-Dec-12					
Aroclor-1016	**192**		µg/kg wet	20.0	250		77	40-140		
Aroclor-1016 [2C]	**210**		µg/kg wet	20.0	250		84	40-140		
Aroclor-1260	**164**		µg/kg wet	20.0	250		66	40-140		
Aroclor-1260 [2C]	**147**		µg/kg wet	20.0	250		59	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.0*		µg/kg wet		*20.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS Dup (1229993-BSD1)					Prepared: 05-Dec-12 Analyzed: 09-Dec-12					
Aroclor-1016	**203**		µg/kg wet	20.0	250		81	40-140	6	30
Aroclor-1016 [2C]	**217**		µg/kg wet	20.0	250		87	40-140	3	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229993 - SW846 3540C										
LCS Dup (1229993-BSD1)					Prepared: 05-Dec-12 Analyzed: 09-Dec-12					
Aroclor-1260	**165**		µg/kg wet	20.0	250		66	40-140	0.6	30
Aroclor-1260 [2C]	**146**		µg/kg wet	20.0	250		58	40-140	0.7	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229907 - General Preparation										
Duplicate (1229907-DUP1)			Source: SB61039-04			Prepared & Analyzed: 05-Dec-12				
% Solids	**95.9**		%			97.5			2	20
Batch 1229908 - General Preparation										
Duplicate (1229908-DUP1)			Source: SB61039-24			Prepared & Analyzed: 05-Dec-12				
% Solids	**98.7**		%			97.7			1	20

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QM1	The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
QM4	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
R01	The Reporting Limit has been raised to account for matrix interference.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

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

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

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

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

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

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

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

Validated by:
June O'Connor
Kimberly Wisk
Nicole Leja

Utilize CT DAS Contract Rates

SB 61039 OK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 5

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

Report To: TRC
21 Griffin Rd North
Windsor CT 06095

Telephone #: 860 298 6266
Project Mgr. H. Laliberte

Invoice To: Henry Laliberte
TRC
21 Griffin Rd North
Windsor, CT 06095
P.O. No.: C183572 RQN: _____

Project No.: 183572-4445-00710
Site Name: BIA - Terminal B - Conc. B
Location: Windsor Locks State: CT
Sampler(s): YM / GK

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

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= caulk/glaze 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	PCB 8082/3540C								State-specific reporting standards:
61039-01	1A	11/26/12	1851	G	X1			1		X								C1 - int, room 147 (dr)
02	1B		0858					1		X								-
03	2A		1300					1		X								C2 - ext, door caulk
04	2B		1305					1		X								- ext, dr/vent caulk
05	2C		1311					1		X								- ext, east window
06	3A		1045					1		X								C3 - Gate B20 ramp
07	3B		1055					1		X								- room 130
08	3C		1105					1		X								- " 124B
09	4A		1430					1		X								C4 - ext, west side - south
10	4B		1440					1		X								-

Containers: Analyses:

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

QA/QC Reporting Level
- [x] Standard
- [ ] No QC
- [ ] DQA*
- [ ] NY ASP A*
- [ ] NY ASP B*
- [ ] NJ Reduced*
- [ ] NJ Full*
- [ ] TIER II*
- [ ] TIER IV*
- [ ] Other _____

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	11/30/12	1630	
	[signature]	12/3/12	1700	30

- [ ] EDD Format _____
- [x] E-mail to HLaliberte@TRCsolutions.com

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

3B61039

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 5

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

Report To: Same

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: C183572 RQN:

Project No.: 183572-4445-00710

Site Name: BFA-Term B - Concourse B

Location: Windsor Locks State: CT

Sampler(s): TM / GK

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

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=Caulk/Glazing 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	PCB 8082/3540C								State-specific reporting standards:
61039-11	4C	11/26/12	1445	G	X1			1		X								C4-ext, west side south
12	5A		1318					1		X								C5-ext, room 147 (dr)
13	5B		1405					1		X								–
14	5C		1410					1		X								–
15	6A		1333					1		X								C6-ext, window sill
16	6B		1338					1		X								–
17	6C		1340					1		X								–
18	7A		1345					1		X								C7-ext, wall joint/seam
19	8A		1435					1		X								C8-ext, last slate window
20	8B		1440					1		X								–

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	11/30/12	1130	
[signature]	[signature]	12/3/12	1700	3C

- [ ] EDD Format _____
- [x] E-mail to tlolibert@TRCsolutions.com

Condition upon receipt:
- [ ] Ambient
- [ ] Iced
- [x] Refrigerated
- [ ] DI VOA Frozen
- [ ] Soil Jar Frozen

MA DEP MCP CAM Report: Yes [ ] No [ ]
CT DPH RCP Report: Yes [x] No [ ]

QA/QC Reporting Level
- [x] Standard
- [ ] No QC
- [ ] DQA*
- [ ] NY ASP A*
- [ ] NY ASP B*
- [ ] NJ Reduced*
- [ ] NJ Full*
- [ ] TIER II*
- [ ] TIER IV*
- [ ] Other _____

SB61039

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 5

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
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- Samples disposed of after 60 days unless otherwise instructed.

Report To: same

Telephone #:

Project Mgr.

Invoice To: same

P.O. No.: C 183572 RQN:

Project No.: 183572-4445-00710

Site Name: BIA - Term B - Concourse B

Location: Windsor Locks State: CT

Sampler(s): JM / GK

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

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Caulk/Glazing 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	PCB 8082/3540C								
61039-31	8C	11/26/12	1500	G	X1			1		X								C8 - west side south left
32	9A		1140					1		X								C9 - at B17 boarding ramp
33	9B		1142					1		X								-
34	9C		1145					1		X								-
35	10A	11/27/12	0808					1		X								C10 - TWA Hold room
36	10B		0812					1		X								-
37	10C	11/26/12	0812					1		X								-
38	11A		1139					1		X								C11 - SE corner near TMB
39	11B	11/29/12	1141					1		X								-
40	11C		1145					1		X								-

Relinquished by:	Received by:	Date:	Time:	Temp°C
		12-3-12	9:12	
		11/30/12	1630	
	12/3/12	12-3-12	17:00	3.0

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV* ☐ Other _____

State-specific reporting standards:

☐ EDD Format _____

☒ E-mail to HLaliberte@TRCsolutions.com

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

SB61039

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 5

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
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- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: C 183572 RQN:

Project No.: 183572-4445-00710

Site Name: BIA - Term B - Concourse B

Location: Windsor Locks State: CT

Sampler(s): TM / GK

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

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: RCB 8082/3540C

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV* ☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	RCB 8082/3540C	State-specific reporting standards:
61039-31	12A	11/26/12	1115	G	X1			1		X	C12 - B20 boarding, stg 1
32	12B	↓	1130	↓	↓			1		X	- ↓
33	13A	11/27/12	1038					1		X	WG1 - int/ext, rm 130
34	13B		1048					1		X	- ↓
35	13C		1122					1		X	- int/ext, rm 123E
36	14A		0825					1		X	WG2 - TWA Hold room
37	14B		0830					1		X	- ↓
38	15A		1040					1		X	WG3 - ext, west side south
39	15B		1045					1		X	- ↓
40	15C	↓	1050	↓	↓			1		X	- ext, end of bldg

Relinquished by:	Received by:	Date:	Time:	Temp°C
		11/30/12	1630	
		12-3-12	17:00	3.0

☐ EDD Format _____

☒ E-mail to Hhaliberte@TRCsolutions.com

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

SB61039 OK

SPECTRUM ANALYTICAL, INC.
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CHAIN OF CUSTODY RECORD

Page 5 of 5

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
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- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: C 183572 RQN:

Project No.: 183572-4445-00710

Site Name: BIA-Term B-Concourse B

Location: Windsor Locks State: CT

Sampler(s): TM/GK

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

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: PCB 8082/3540C

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NYASP A* ☐ NYASP 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	PCB 8082/3540C	State-specific reporting standards:
61039-41	16A	11/27/12	0855	G	X1			1		X	WG4-ext, end of bldg
42	16B	↓	0910	↓	↓			1		X	– ↓
43	16C		0910					1		X	– B20 boarding ramp
44	17A		0848					1		X	DWG1-ext, B20 boarding ramp
45	SI1A		1145					1		X	SI1A-Room 126
46	SI1B		1150					1		X	– bridge
47	SI1C		1155					1		X	– ext, west side south
48	SI2A	↓	1200	↓	↓			1		X	SI2A-ext, TWA Hall rm

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	11/30/12	1630	
[signature]	[signature]	12-3-12	17:00	3C

☐ EDD Format

☒ E-mail to HLaliberte@TRCsolutions.com

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

Report Date:
19-Aug-13 16:10

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: Bradley International Airport-Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB74847-01	1	Caulk	09-Aug-13 10:20	12-Aug-13 12:50
SB74847-02	2	Caulk	09-Aug-13 11:21	12-Aug-13 12:50
SB74847-03	3	Caulk	09-Aug-13 11:44	12-Aug-13 12:50

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

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

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 10 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

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

Concourse B Bulks

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Bradley International Airport-Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
8/9/2013

Laboratory Sample ID(s):
SB74847-01 through SB74847-03

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes	✓ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 8/19/2013

CASE NARRATIVE:

The samples were received 1.4 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.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

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

SW846 8082A

Samples:

SB74847-01 *1*

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

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

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

SB74847-02 *2*

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

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

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

SB74847-03 *3*

SW846 8082A

Samples:

SB74847-03 *3*

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

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

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

Sample Acceptance Check Form

Client:	TRC - Windsor, CT
Project:	Bradley International Airport-Windsor Locks, CT / 183572.4445.0710
Work Order:	SB74847
Sample(s) received on:	8/12/2013
Received by:	Tanya Krivolenko

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

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1 S[illegible]847-01	183572.4445.0710	Caulk	09-Aug-13 10:20	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 164000	D	µg/kg dry	164000	123000	1000	SW846 8082A	14-Aug-13	19-Aug-13	BLM	1319508	X
11104-28-2	Aroclor-1221	< 164000	D	µg/kg dry	164000	148000	1000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 164000	D	µg/kg dry	164000	105000	1000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 164000	D	µg/kg dry	164000	98700	1000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 164000	D	µg/kg dry	164000	85300	1000	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	1,770,000	D	µg/kg dry	164000	96100	1000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 164000	D	µg/kg dry	164000	102000	1000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	1,850,000	D	µg/kg dry	164000	153000	1000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 164000	D	µg/kg dry	164000	67700	1000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	95.9		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319389	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
2 SB74847-02	183572.4445.0710	Caulk	09-Aug-13 11:21	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 34400	D	µg/kg dry	34400	25700	200	SW846 8082A	14-Aug-13	19-Aug-13	BLM	1319508	X
11104-28-2	Aroclor-1221	< 34400	D	µg/kg dry	34400	31000	200	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 34400	D	µg/kg dry	34400	22100	200	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 34400	D	µg/kg dry	34400	20700	200	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 34400	D	µg/kg dry	34400	17900	200	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	1,470,000	D	µg/kg dry	34400	20200	200	"	"	"	"	"	X
11096-82-5	Aroclor-1260	1,120,000	D	µg/kg dry	34400	21300	200	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 34400	D	µg/kg dry	34400	32100	200	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 34400	D	µg/kg dry	34400	14200	200	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	95.8		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319389	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
3 SP[illegible]847-03	183572.4445.0710	Caulk	09-Aug-13 11:44	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 18200	D	µg/kg dry	18200	13600	100	SW846 8082A	14-Aug-13	19-Aug-13	BLM	1319508	X
11104-28-2	Aroclor-1221	< 18200	D	µg/kg dry	18200	16400	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 18200	D	µg/kg dry	18200	11700	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 18200	D	µg/kg dry	18200	11000	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 18200	D	µg/kg dry	18200	9480	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	365,000	D	µg/kg dry	18200	10700	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 18200	D	µg/kg dry	18200	11300	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	3,350,000	D	µg/kg dry	18200	17000	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 18200	D	µg/kg dry	18200	7520	100	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	95.7		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319389	

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

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1319508 - SW846 3540C										
Blank (1319508-BLK1)					Prepared: 14-Aug-13 Analyzed: 16-Aug-13					
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*76.7*		µg/kg wet		*66.7*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
LCS (1319508-BS1)					Prepared: 14-Aug-13 Analyzed: 16-Aug-13					
Aroclor-1016	**820**		µg/kg wet	66.7	833		98	40-140		
Aroclor-1016 [2C]	**707**		µg/kg wet	66.7	833		85	40-140		
Aroclor-1260	**863**		µg/kg wet	66.7	833		104	40-140		
Aroclor-1260 [2C]	**663**		µg/kg wet	66.7	833		80	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*76.7*		µg/kg wet		*66.7*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*83.3*		µg/kg wet		*66.7*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
LCS Dup (1319508-BSD1)					Prepared: 14-Aug-13 Analyzed: 16-Aug-13					
Aroclor-1016	**823**		µg/kg wet	66.7	833		99	40-140	0.4	30
Aroclor-1018 [2C]	**743**		µg/kg wet	66.7	833		89	40-140	5	30
Aroclor-1260	**780**		µg/kg wet	66.7	833		94	40-140	10	30
Aroclor-1260 [2C]	**757**		µg/kg wet	66.7	833		91	40-140	13	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*76.7*		µg/kg wet		*66.7*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*83.3*		µg/kg wet		*66.7*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*63.3*		µg/kg wet		*66.7*		*95*	*30-150*		

Notes and Definitions

D	Data reported from a dilution
S1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
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 proeess.

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

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

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

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

Validated by:
Kimberly Wisk

CT DAS Rates Apply

SB 74847 OK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☑ Rush TAT - Date Needed: 5 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Henry Caliberte
21 Griffin Rd North
Windsor CT 06095
Telephone #: 860-798-5689
Project Mgr. Same

Invoice To: Same
P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710
Site Name: Bradley International Airport Concourse B
Location: Windsor Locks State: CT
Sampler(s): M Kostrubs, G Kaczynski

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

List preservative code below: 1

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Cool 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	Analyses: Fuel/3560 C							
74847-01	1	8/9/13	1020	G	X1			1		X							
02	2		1121														
03	3		1144														

Containers:

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

QA/QC Reporting Level
☑ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV* ☐ Other

State-specific reporting standards:
CCI - Concourse B - Hold Room - North side
CCI - Concourse B - Hold Room - East
CCI - Concourse B RM 147A

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	8-12-13	1200	
[signature]	[signature]	8/9/13	1100	
	[signature]	8-12-13	12:50	

☐ EDD Format
☐ E-mail to HCaliberte@trcsolutions.com

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

24/-1/14 IR02

Report Date:
03-Oct-13 15:10

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Concourse B

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: Conn DOT - Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB77709-01	1-DWG1	Caulk	27-Sep-13 16:35	01-Oct-13 16:10

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

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

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 8 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

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

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.

Project Location: Conn DOT - Windsor Locks, CT

Project Name and Number: Conn DOT - Windsor Locks, CT / 183572.4445.0710

This form provides certification for the following data set: SB77709-01

Sample matrices:	**Analytical methods used:**
Caulk	SM2540 G Mod. SW846 8082A

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes	☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes	☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes	☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☑ Yes	☐ No *

* The compounds and/or elements reported are as 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.

Negative responses for A, B and C 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.

Nicole Leja

Nicole Leja
Laboratory Director
Date: 10/3/2013

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Conn DOT - Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
9/27/2013

Laboratory Sample ID(s):
SB77709-01

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	✓ Yes	No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes	✓ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 10/3/2013

CASE NARRATIVE:

The samples were received 2.5 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

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

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

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

SW846 8082A

Samples:

SB77709-01 *1-DWG1*

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

Sample Acceptance Check Form

ient:	TRC - Windsor, CT
Project:	Conn DOT - Windsor Locks, CT / 183572.4445.0710
Work Order:	SB77709
Sample(s) received on:	10/1/2013
Received by:	Tanya Krivolenko

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

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1-DWG1 SB77709-01	183572.4445.0710	Caulk	27-Sep-13 16:35	01-Oct-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 376	D	µg/kg dry	376	281	2	SW846 8082A	01-Oct-13	02-Oct-13	IMR	1323682	X
11104-28-2	Aroclor-1221	< 376	D	µg/kg dry	376	339	2	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 376	D	µg/kg dry	376	242	2	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 376	D	µg/kg dry	376	226	2	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 376	D	µg/kg dry	376	196	2	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 376	D	µg/kg dry	376	314	2	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 376	D	µg/kg dry	376	233	2	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 376	D	µg/kg dry	376	351	2	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 376	D	µg/kg dry	376	155	2	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	02-Oct-13	02-Oct-13	DT	1323771	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1323682 - SW846 3540C										
Blank (1323682-BLK1)					Prepared: 01-Oct-13 Analyzed: 02-Oct-13					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS (1323682-BS1)					Prepared: 01-Oct-13 Analyzed: 02-Oct-13					
Aroclor-1016	**214**		µg/kg wet	20.0	250		86	40-140		
Aroclor-1016 [2C]	**217**		µg/kg wet	20.0	250		87	40-140		
Aroclor-1260	**201**		µg/kg wet	20.0	250		80	40-140		
Aroclor-1260 [2C]	**209**		µg/kg wet	20.0	250		84	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
LCS Dup (1323682-BSD1)					Prepared: 01-Oct-13 Analyzed: 02-Oct-13					
Aroclor-1016	**214**		µg/kg wet	20.0	250		86	40-140	0	30
Aroclor-1016 [2C]	**207**		µg/kg wet	20.0	250		83	40-140	5	30
Aroclor-1260	**194**		µg/kg wet	20.0	250		78	40-140	4	30
Aroclor-1260 [2C]	**205**		µg/kg wet	20.0	250		82	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		

Notes and Definitions

D	Data reported from a dilution
R01	The Reporting Limit has been raised to account for matrix interference.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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

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

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

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

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

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

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

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

Validated by:
June O'Connor

Utilize CT DAS Rules

SB77209KM

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 2 Day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: TRC Environmental
21 Griffin Rd North
Windsor, CT 06095

Telephone #: 860-298-9692
Project Mgr. Hugh Lalibre

Invoice To: (Same as Report)

P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710
Site Name: ConnDOT - BIA - Contract #8
Location: Windsor Locks, CT State: CT
Sampler(s): Mike Kostak

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

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		Analyses: 8082/3540C							
SB77209	1-DWG1	9/27/13	1635	G	X1		1				X							820 Bandy Ramp

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	10-1-13	955	
[signature]	[signature]	10-1-13	1610	

☐ EDD Format
☒ E-mail to HLalibrte@TRCsolutions.com
GKaczynski@TRCsolutions.com

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

3 1/1/25 IR 02

Report Date:
03-Dec-12 15:20

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Erik Plimpton

Project: Bradley International Airport-Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB60550-01	1-A	Caulk	19-Nov-12 08:55	21-Nov-12 13:15
SB60550-02	1-B	Caulk	19-Nov-12 09:10	21-Nov-12 13:15
SB60550-03	1-C	Caulk	19-Nov-12 09:15	21-Nov-12 13:15
SB60550-04	2-A	Caulk	19-Nov-12 09:20	21-Nov-12 13:15
SB60550-05	2-B	Caulk	19-Nov-12 10:20	21-Nov-12 13:15
SB60550-06	2-C	Caulk	19-Nov-12 10:30	21-Nov-12 13:15
SB60550-07	3-A	Caulk	19-Nov-12 09:25	21-Nov-12 13:15
SB60550-08	3-B	Caulk	19-Nov-12 11:05	21-Nov-12 13:15
SB60550-09	3-C	Caulk	19-Nov-12 11:40	21-Nov-12 13:15
SB60550-10	4-A	Glaze	19-Nov-12 09:30	21-Nov-12 13:15
SB60550-11	4-B	Glaze	19-Nov-12 09:40	21-Nov-12 13:15
SB60550-12	4-C	Glaze	19-Nov-12 09:48	21-Nov-12 13:15
SB60550-13	5-A	Caulk	19-Nov-12 15:24	21-Nov-12 13:15
SB60550-14	5-B	Caulk	19-Nov-12 15:15	21-Nov-12 13:15
SB60550-15	5-C	Caulk	19-Nov-12 15:18	21-Nov-12 13:15
SB60550-16	6-A	Caulk	19-Nov-12 09:40	21-Nov-12 13:15
SB60550-17	6-B	Caulk	19-Nov-12 14:10	21-Nov-12 13:15
SB60550-18	6-C	Caulk	19-Nov-12 14:20	21-Nov-12 13:15
SB60550-19	7-A	Caulk	19-Nov-12 10:00	21-Nov-12 13:15
SB60550-20	7-B	Caulk	19-Nov-12 10:04	21-Nov-12 13:15
SB60550-21	8-A	Caulk	19-Nov-12 10:10	21-Nov-12 13:15
SB60550-22	9-A	Glaze	19-Nov-12 10:30	21-Nov-12 13:15
SB60550-23	9-B	Glaze	19-Nov-12 10:54	21-Nov-12 13:15
SB60550-24	10-A	Glaze	19-Nov-12 11:15	21-Nov-12 13:15
SB60550-25	10-B	Glaze	19-Nov-12 11:27	21-Nov-12 13:15
SB60550-26	10-C	Glaze	19-Nov-12 11:39	21-Nov-12 13:15
SB60550-27	11-A	Caulk	19-Nov-12 14:00	21-Nov-12 13:15
SB60550-28	11-B	Caulk	19-Nov-12 14:10	21-Nov-12 13:15
SB60550-29	11-C	Caulk	19-Nov-12 14:19	21-Nov-12 13:15
SB60550-30	12-A	Caulk	19-Nov-12 14:50	21-Nov-12 13:15
SB60550-31	12-B	Caulk	19-Nov-12 15:00	21-Nov-12 13:15
SB60550-32	13-A	Glaze	19-Nov-12 15:05	21-Nov-12 13:15
SB60550-33	13-B	Glaze	19-Nov-12 15:06	21-Nov-12 13:15
SB60550-34	14-A	Glaze	19-Nov-12 13:50	21-Nov-12 13:15
SB60550-35	14-B	Glaze	19-Nov-12 13:45	21-Nov-12 13:15
SB60550-36	14-C	Glaze	19-Nov-12 13:55	21-Nov-12 13:15
SB60550-37	15-A	Glaze	19-Nov-12 09:50	21-Nov-12 13:15

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

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

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 53 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

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

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Bradley International Airport-Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
11/19/2012

Laboratory Sample ID(s):
SB60550-01 through SB60550-38

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	✓ Yes	No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: **For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."**

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 12/3/2012

CASE NARRATIVE:

The samples were received 1.4 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.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

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

SW846 8082A

Spikes:

1229093-MS1 *Source: SB60550-01*

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

The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

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

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

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

1229093-MSD1 *Source: SB60550-01*

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

SW846 8082A

Spikes:

1229093-MSD1 *Source: SB60550-01*

The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

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

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

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

1229094-MS1 *Source: SB60550-18*

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

The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

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

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

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

1229094-MSD1 *Source: SB60550-18*

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

The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

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

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

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

Duplicates:

1229093-DUP1 *Source: SB60550-01*

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

SW846 8082A

Duplicates:

1229093-DUP1 *Source: SB60550-01*

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

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

1229094-DUP1 *Source: SB60550-18*

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

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

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

Samples:

SB60550-01 *1-A*

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

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

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

SB60550-02 *1-B*

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

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

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

SB60550-03 *1-C*

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

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

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

SB60550-04 *2-A*

SW846 8082A

Samples:

SB60550-04 *2-A*

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

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

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

SB60550-05 *2-B*

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

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

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

SB60550-06 *2-C*

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

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

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

SB60550-10 *4-A*

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

SB60550-11 *4-B*

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

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

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

SB60550-12 *4-C*

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

SW846 8082A

Samples:

SB60550-12 *4-C*

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

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

SB60550-16 *6-A*

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

SB60550-17 *6-B*

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

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

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

SB60550-18 *6-C*

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

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

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

SB60550-19 *7-A*

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

SB60550-20 *7-B*

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

SB60550-21 *8-A*

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

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

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

SB60550-22 *9-A*

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

SB60550-23 *9-B*

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

SW846 8082A

Samples:

SB60550-24 *10-A*

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

SB60550-25 *10-B*

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

SB60550-26 *10-C*

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

SB60550-32 *13-A*

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

SB60550-33 *13-B*

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

SB60550-34 *14-A*

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

SB60550-35 *14-B*

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

SB60550-36 *14-C*

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

SB60550-38 *16-A*

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1-A SB60550-01	183572.4445.0710	Caulk	19-Nov-12 08:55	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 16300	D	µg/kg dry	16300	8160	100	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229093	X
11104-28-2	Aroclor-1221	< 16300	D	µg/kg dry	16300	14700	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 16300	D	µg/kg dry	16300	10500	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 16300	D	µg/kg dry	16300	9620	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 16300	D	µg/kg dry	16300	8010	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 16300	D	µg/kg dry	16300	12000	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 16300	D	µg/kg dry	16300	6260	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 16300	D	µg/kg dry	16300	15200	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 16300	D	µg/kg dry	16300	5130	100	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229186	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1-B S[illegible]0550-02	183572.4445.0710	Caulk	19-Nov-12 09:10	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 17900	D	µg/kg dry	17900	8930	100	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229093	X
11104-28-2	Aroclor-1221	< 17900	D	µg/kg dry	17900	16100	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 17900	D	µg/kg dry	17900	11500	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 17900	D	µg/kg dry	17900	10500	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 17900	D	µg/kg dry	17900	8770	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 17900	D	µg/kg dry	17900	13100	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 17900	D	µg/kg dry	17900	6850	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 17900	D	µg/kg dry	17900	16700	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 17900	D	µg/kg dry	17900	5810	100	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.6		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229186	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1-C SB60550-03	183572.4445.0710	Caulk	19-Nov-12 09:15	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 19300	D	µg/kg dry	19300	9630	100	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229093	X
11104-28-2	Aroclor-1221	< 19300	D	µg/kg dry	19300	17400	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19300	D	µg/kg dry	19300	12400	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 19300	D	µg/kg dry	19300	11400	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 19300	D	µg/kg dry	19300	9460	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 19300	D	µg/kg dry	19300	14100	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 19300	D	µg/kg dry	19300	7390	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19300	D	µg/kg dry	19300	18000	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 19300	D	µg/kg dry	19300	6050	100	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229186	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
2-A SP[illegible]550-04	183572.4445.0710	Caulk	19-Nov-12 09:20	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 2100000	D	µg/kg dry	2100000	1050000	10000	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229093	X
11104-28-2	Aroclor-1221	< 2100000	D	µg/kg dry	2100000	1900000	10000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 2100000	D	µg/kg dry	2100000	1350000	10000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 2100000	D	µg/kg dry	2100000	1240000	10000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 2100000	D	µg/kg dry	2100000	1030000	10000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	114,000,000	D	µg/kg dry	2100000	893000	10000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 2100000	D	µg/kg dry	2100000	807000	10000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 2100000	D	µg/kg dry	2100000	1960000	10000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 2100000	D	µg/kg dry	2100000	661000	10000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	93.6		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229186	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
2-B SB60550-05	183572.4445.0710	Caulk	19-Nov-12 10:20	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 2000000	D	µg/kg dry	2000000	998000	10000	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229093	X
11104-28-2	Aroclor-1221	< 2000000	D	µg/kg dry	2000000	1800000	10000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 2000000	D	µg/kg dry	2000000	1280000	10000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 2000000	D	µg/kg dry	2000000	1180000	10000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 2000000	D	µg/kg dry	2000000	980000	10000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**120,000,000**	D	µg/kg dry	2000000	848000	10000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 2000000	D	µg/kg dry	2000000	766000	10000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 2000000	D	µg/kg dry	2000000	1860000	10000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 2000000	D	µg/kg dry	2000000	627000	10000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	91.2		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229186	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
2-C SD60550-06	183572.4445.0710	Caulk	19-Nov-12 10:30	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1730000	D	µg/kg dry	1730000	863000	10000	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229093	X
11104-28-2	Aroclor-1221	< 1730000	D	µg/kg dry	1730000	1560000	10000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1730000	D	µg/kg dry	1730000	1110000	10000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1730000	D	µg/kg dry	1730000	1020000	10000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1730000	D	µg/kg dry	1730000	847000	10000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	83,200,000	D	µg/kg dry	1730000	733000	10000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1730000	D	µg/kg dry	1730000	662000	10000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1730000	D	µg/kg dry	1730000	1610000	10000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1730000	D	µg/kg dry	1730000	542000	10000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	94.5		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229186	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
3-A SB60550-07	183572.4445.0710	Caulk	19-Nov-12 09:25	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 193		µg/kg dry	193	96.5	1	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229093	X
11104-28-2	Aroclor-1221	< 193		µg/kg dry	193	174	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 193		µg/kg dry	193	124	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 193		µg/kg dry	193	114	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 193		µg/kg dry	193	94.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	42,700		µg/kg dry	193	81.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 193		µg/kg dry	193	74.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 193		µg/kg dry	193	180	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 193		µg/kg dry	193	60.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229190	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
3-B [illegible]550-08	183572.4445.0710	Caulk	19-Nov-12 11:05	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 170		µg/kg dry	170	85.1	1	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229093	X
11104-28-2	Aroclor-1221	< 170		µg/kg dry	170	153	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 170		µg/kg dry	170	109	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 170		µg/kg dry	170	100	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 170		µg/kg dry	170	83.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	9,780		µg/kg dry	170	72.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 170		µg/kg dry	170	65.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 170		µg/kg dry	170	159	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 170		µg/kg dry	170	53.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229190	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
3-C SB60550-09	183572.4445.0710	Caulk	19-Nov-12 11:40	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 184		µg/kg dry	184	91.9	1	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229093	X
11104-28-2	Aroclor-1221	< 184		µg/kg dry	184	166	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 184		µg/kg dry	184	118	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 184		µg/kg dry	184	108	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 184		µg/kg dry	184	90.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,300		µg/kg dry	184	78.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 184		µg/kg dry	184	70.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 184		µg/kg dry	184	171	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 184		µg/kg dry	184	57.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.1		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229190	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
4-A [illegible]0550-10	183572.4445.0710	Glaze	19-Nov-12 09:30	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 293	D	µg/kg dry	293	146	2	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229093	X
11104-28-2	Aroclor-1221	< 293	D	µg/kg dry	293	264	2	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 293	D	µg/kg dry	293	188	2	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 293	D	µg/kg dry	293	172	2	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 293	D	µg/kg dry	293	144	2	"	"	"	"	"	X
11097-69-1	Aroclor-1254	12,400	D	µg/kg dry	293	215	2	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 293	D	µg/kg dry	293	112	2	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 293	D	µg/kg dry	293	273	2	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 293	D	µg/kg dry	293	91.9	2	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*40*			*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]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.2		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229190	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
4-B	183572.4445.0710	Glaze	19-Nov-12 09:40	21-Nov-12
SB60550-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 9140	D	µg/kg dry	9140	4570	50	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229093	X
11104-28-2	Aroclor-1221	< 9140	D	µg/kg dry	9140	8240	50	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 9140	D	µg/kg dry	9140	5870	50	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 9140	D	µg/kg dry	9140	5380	50	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 9140	D	µg/kg dry	9140	4490	50	"	"	"	"	"	X
11097-69-1	Aroclor-1254	349,000	D	µg/kg dry	9140	3880	50	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 9140	D	µg/kg dry	9140	3500	50	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 9140	D	µg/kg dry	9140	8520	50	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 9140	D	µg/kg dry	9140	2870	50	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229190	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
4-C S[illegible]550-12	183572.4445.0710	Glaze	19-Nov-12 09:48	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 15600	D	µg/kg dry	15600	7780	100	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229093	X
11104-28-2	Aroclor-1221	< 15600	D	µg/kg dry	15600	14000	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 15600	D	µg/kg dry	15600	10000	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 15600	D	µg/kg dry	15600	9170	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 15600	D	µg/kg dry	15600	7640	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254	46,000	D	µg/kg dry	15600	11400	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 15600	D	µg/kg dry	15600	5970	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 15600	D	µg/kg dry	15600	14500	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 15600	D	µg/kg dry	15600	4890	100	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.8		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229190	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
5-A SB60550-13	183572.4445.0710	Caulk	19-Nov-12 15:24	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 171		µg/kg dry	171	85.5	1	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229093	X
11104-28-2	Aroclor-1221	< 171		µg/kg dry	171	154	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 171		µg/kg dry	171	110	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 171		µg/kg dry	171	101	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 171		µg/kg dry	171	84.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	12,800		µg/kg dry	171	72.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 171		µg/kg dry	171	65.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 171		µg/kg dry	171	159	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 171		µg/kg dry	171	53.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229190	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
5-B S[illegible]50-14	183572.4445.0710	Caulk	19-Nov-12 15:15	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 188		µg/kg dry	188	94.1	1	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229093	X
11104-28-2	Aroclor-1221	< 188		µg/kg dry	188	170	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 188		µg/kg dry	188	121	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 188		µg/kg dry	188	111	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 188		µg/kg dry	188	92.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	10,700		µg/kg dry	188	79.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 188		µg/kg dry	188	72.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 188		µg/kg dry	188	175	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 188		µg/kg dry	188	59.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.5		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229190	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
5-C SB60550-15	183572.4445.0710	Caulk	19-Nov-12 15:18	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 186		µg/kg dry	186	93.0	1	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229093	X
11104-28-2	Aroclor-1221	< 186		µg/kg dry	186	168	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 186		µg/kg dry	186	119	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 186		µg/kg dry	186	110	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 186		µg/kg dry	186	91.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	8,390		µg/kg dry	186	78.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 186		µg/kg dry	186	71.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 186		µg/kg dry	186	173	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 186		µg/kg dry	186	58.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229190	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
6-A SB60550-16	183572.4445.0710	Caulk	19-Nov-12 09:40	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1790	D	µg/kg dry	1790	892	10	SW846 8082A	27-Nov-12	30-Nov-12	IMR	1229094	X
11104-28-2	Aroclor-1221	< 1790	D	µg/kg dry	1790	1610	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1790	D	µg/kg dry	1790	1150	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1790	D	µg/kg dry	1790	1050	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1790	D	µg/kg dry	1790	876	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,930	D	µg/kg dry	1790	1310	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1790	D	µg/kg dry	1790	684	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1790	D	µg/kg dry	1790	1660	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1790	D	µg/kg dry	1790	561	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229190	

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* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
6-B SB60550-17	183572.4445.0710	Caulk	19-Nov-12 14:10	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1590000	D	µg/kg dry	1590000	795000	10000	SW846 8082A	27-Nov-12	30-Nov-12	IMR	1229094	X
11104-28-2	Aroclor-1221	< 1590000	D	µg/kg dry	1590000	1430000	10000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1590000	D	µg/kg dry	1590000	1020000	10000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1590000	D	µg/kg dry	1590000	937000	10000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1590000	D	µg/kg dry	1590000	781000	10000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	99,100,000	D	µg/kg dry	1590000	675000	10000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1590000	D	µg/kg dry	1590000	610000	10000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1590000	D	µg/kg dry	1590000	1480000	10000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1590000	D	µg/kg dry	1590000	500000	10000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.3		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229190	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
6-C [redacted]550-18	183572.4445.0710	Caulk	19-Nov-12 14:20	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 14400	D	µg/kg dry	14400	7220	100	SW846 8082A	27-Nov-12	30-Nov-12	IMR	1229094	X
11104-28-2	Aroclor-1221	< 14400	D	µg/kg dry	14400	13000	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 14400	D	µg/kg dry	14400	9270	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 14400	D	µg/kg dry	14400	8510	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14400	D	µg/kg dry	14400	7090	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 14400	D	µg/kg dry	14400	10600	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 14400	D	µg/kg dry	14400	5540	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 14400	D	µg/kg dry	14400	13500	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 14400	D	µg/kg dry	14400	4530	100	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.9		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229190	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
7-A SB60550-19	183572.4445.0710	Caulk	19-Nov-12 10:00	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C			R01										
12674-11-2	Aroclor-1016	< 1980	D	µg/kg dry	1980	991	10	SW846 8082A	27-Nov-12	30-Nov-12	IMR	1229094	X
11104-28-2	Aroclor-1221	< 1980	D	µg/kg dry	1980	1790	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1980	D	µg/kg dry	1980	1270	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1980	D	µg/kg dry	1980	1170	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1980	D	µg/kg dry	1980	973	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	10,100	D	µg/kg dry	1980	842	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1980	D	µg/kg dry	1980	760	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1980	D	µg/kg dry	1980	1850	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1980	D	µg/kg dry	1980	623	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	95.7		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229190	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
7-B [redacted]50-20	183572.4445.0710	Caulk	19-Nov-12 10:04	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1960	D	µg/kg dry	1960	981	10	SW846 8082A	27-Nov-12	30-Nov-12	IMR	1229094	X
11104-28-2	Aroclor-1221	< 1960	D	µg/kg dry	1960	1770	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1960	D	µg/kg dry	1960	1260	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1960	D	µg/kg dry	1960	1160	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1960	D	µg/kg dry	1960	963	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	5,690	D	µg/kg dry	1960	833	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1960	D	µg/kg dry	1960	753	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1960	D	µg/kg dry	1960	1830	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1960	D	µg/kg dry	1960	616	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.3		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229190	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
8-A SB60550-21	183572.4445.0710	Caulk	19-Nov-12 10:10	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1950	D	µg/kg dry	1950	977	10	SW846 8082A	27-Nov-12	30-Nov-12	IMR	1229094	X
11104-28-2	Aroclor-1221	< 1950	D	µg/kg dry	1950	1760	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1950	D	µg/kg dry	1950	1250	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1950	D	µg/kg dry	1950	1150	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1950	D	µg/kg dry	1950	959	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,930	D	µg/kg dry	1950	829	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1950	D	µg/kg dry	1950	749	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1950	D	µg/kg dry	1950	1820	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1950	D	µg/kg dry	1950	614	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*150*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.5		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229190	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
9-A [redacted]50-22	183572.4445.0710	Glaze	19-Nov-12 10:30	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1270	D	µg/kg dry	1270	634	10	SW846 8082A	27-Nov-12	30-Nov-12	IMR	1229094	X
11104-28-2	Aroclor-1221	< 1270	D	µg/kg dry	1270	1140	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1270	D	µg/kg dry	1270	815	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1270	D	µg/kg dry	1270	748	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1270	D	µg/kg dry	1270	623	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 1270	D	µg/kg dry	1270	931	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1270	D	µg/kg dry	1270	487	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1270	D	µg/kg dry	1270	1180	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1270	D	µg/kg dry	1270	399	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229190	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
9-B SB60550-23	183572.4445.0710	Glaze	19-Nov-12 10:54	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1630	D	µg/kg dry	1630	816	10	SW846 8082A	27-Nov-12	30-Nov-12	IMR	1229094	X
11104-28-2	Aroclor-1221	< 1630	D	µg/kg dry	1630	1470	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1630	D	µg/kg dry	1630	1050	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1630	D	µg/kg dry	1630	962	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1630	D	µg/kg dry	1630	802	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 1630	D	µg/kg dry	1630	1200	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1630	D	µg/kg dry	1630	626	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1630	D	µg/kg dry	1630	1520	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1630	D	µg/kg dry	1630	513	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229190	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
10-A SD[illegible]550-24	183572.4445.0710	Glaze	19-Nov-12 11:15	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1830	D	µg/kg dry	1830	915	10	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229094	X
11104-28-2	Aroclor-1221	< 1830	D	µg/kg dry	1830	1650	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1830	D	µg/kg dry	1830	1180	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1830	D	µg/kg dry	1830	1080	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1830	D	µg/kg dry	1830	899	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	5,590	D	µg/kg dry	1830	1340	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1830	D	µg/kg dry	1830	702	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1830	D	µg/kg dry	1830	1710	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1830	D	µg/kg dry	1830	575	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.9		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229190	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
10-B SB60550-25	183572.4445.0710	Glaze	19-Nov-12 11:27	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 2020	D	µg/kg dry	2020	1010	10	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229094	X
11104-28-2	Aroclor-1221	< 2020	D	µg/kg dry	2020	1820	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 2020	D	µg/kg dry	2020	1300	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 2020	D	µg/kg dry	2020	1190	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 2020	D	µg/kg dry	2020	990	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	10,300	D	µg/kg dry	2020	1480	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 2020	D	µg/kg dry	2020	774	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 2020	D	µg/kg dry	2020	1880	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 2020	D	µg/kg dry	2020	634	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.7		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229190	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
10-C S[illegible]50-26	183572.4445.0710	Glaze	19-Nov-12 11:39	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1730	D	µg/kg dry	1730	862	10	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229094	X
11104-28-2	Aroclor-1221	< 1730	D	µg/kg dry	1730	1560	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1730	D	µg/kg dry	1730	1110	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1730	D	µg/kg dry	1730	1020	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1730	D	µg/kg dry	1730	847	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	7,680	D	µg/kg dry	1730	1270	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1730	D	µg/kg dry	1730	662	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1730	D	µg/kg dry	1730	1610	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1730	D	µg/kg dry	1730	542	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.0		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229190	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
11-A	183572.4445.0710	Caulk	19-Nov-12 14:00	21-Nov-12
SB60550-27				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 113		µg/kg dry	113	56.3	1	SW846 8082A	27-Nov-12	30-Nov-12	IMR	1229094	X
11104-28-2	Aroclor-1221	< 113		µg/kg dry	113	102	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 113		µg/kg dry	113	72.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 113		µg/kg dry	113	66.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 113		µg/kg dry	113	55.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,280		µg/kg dry	113	47.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 113		µg/kg dry	113	43.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 113		µg/kg dry	113	105	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 113		µg/kg dry	113	35.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229192	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
11-B	183572.4445.0710	Caulk	19-Nov-12 14:10	21-Nov-12
S[illegible]550-28				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 125		µg/kg dry	125	62.6	1	SW846 8082A	27-Nov-12	30-Nov-12	IMR	1229094	X
11104-28-2	Aroclor-1221	< 125		µg/kg dry	125	113	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 125		µg/kg dry	125	80.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 125		µg/kg dry	125	73.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	1,040		µg/kg dry	125	50.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,330		µg/kg dry	125	53.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 125		µg/kg dry	125	48.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 125		µg/kg dry	125	117	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 125		µg/kg dry	125	39.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229192	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
11-C SB60550-29	183572.4445.0710	Caulk	19-Nov-12 14:19	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 182		µg/kg dry	182	90.9	1	SW846 8082A	27-Nov-12	30-Nov-12	IMR	1229094	X
11104-28-2	Aroclor-1221	< 182		µg/kg dry	182	164	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 182		µg/kg dry	182	117	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 182		µg/kg dry	182	107	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	1,140		µg/kg dry	182	89.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,500		µg/kg dry	182	133	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 182		µg/kg dry	182	69.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 182		µg/kg dry	182	169	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 182		µg/kg dry	182	57.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229192	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
12-A SB60550-30	183572.4445.0710	Caulk	19-Nov-12 14:50	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 178		µg/kg dry	178	88.9	1	SW846 8082A	27-Nov-12	30-Nov-12	IMR	1229094	X
11104-28-2	Aroclor-1221	< 178		µg/kg dry	178	160	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 178		µg/kg dry	178	114	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 178		µg/kg dry	178	105	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 178		µg/kg dry	178	87.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	14,200		µg/kg dry	178	75.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 178		µg/kg dry	178	68.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 178		µg/kg dry	178	166	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 178		µg/kg dry	178	55.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229192	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
12-B	183572.4445.0710	Caulk	19-Nov-12 15:00	21-Nov-12
SB60550-31				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 181		µg/kg dry	181	90.2	1	SW846 8082A	27-Nov-12	30-Nov-12	IMR	1229094	X
11104-28-2	Aroclor-1221	< 181		µg/kg dry	181	163	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 181		µg/kg dry	181	116	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 181		µg/kg dry	181	106	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 181		µg/kg dry	181	88.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	17,300		µg/kg dry	181	76.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 181		µg/kg dry	181	69.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 181		µg/kg dry	181	168	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 181		µg/kg dry	181	56.7	1	"	"	"	"	"	X
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)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229192	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
13-A SD60550-32	183572.4445.0710	Glaze	19-Nov-12 15:05	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C			R01										
12674-11-2	Aroclor-1016	< 243	D	µg/kg dry	243	121	2	SW846 8082A	27-Nov-12	30-Nov-12	IMR	1229094	X
11104-28-2	Aroclor-1221	< 243	D	µg/kg dry	243	219	2	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 243	D	µg/kg dry	243	156	2	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 243	D	µg/kg dry	243	143	2	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 243	D	µg/kg dry	243	119	2	"	"	"	"	"	X
11097-69-1	Aroclor-1254	437	D	µg/kg dry	243	103	2	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 243	D	µg/kg dry	243	93.0	2	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 243	D	µg/kg dry	243	226	2	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 243	D	µg/kg dry	243	76.2	2	"	"	"	"	"	X
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)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229192	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
13-B SB60550-33	183572.4445.0710	Glaze	19-Nov-12 15:06	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 349	D	µg/kg dry	349	174	2	SW846 8082A	27-Nov-12	30-Nov-12	IMR	1229094	X
11104-28-2	Aroclor-1221	< 349	D	µg/kg dry	349	315	2	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 349	D	µg/kg dry	349	224	2	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 349	D	µg/kg dry	349	206	2	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 349	D	µg/kg dry	349	171	2	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,550	D	µg/kg dry	349	148	2	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 349	D	µg/kg dry	349	134	2	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 349	D	µg/kg dry	349	325	2	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 349	D	µg/kg dry	349	110	2	"	"	"	"	"	X
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)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229192	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
14-A S[illegible]50-34	183572.4445.0710	Glaze	19-Nov-12 13:50	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 856	D	µg/kg dry	856	428	5	SW846 8082A	27-Nov-12	30-Nov-12	IMR	1229094	X
11104-28-2	Aroclor-1221	< 856	D	µg/kg dry	856	772	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 856	D	µg/kg dry	856	550	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 856	D	µg/kg dry	856	504	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	**119,000**	D	µg/kg dry	856	347	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**172,000**	D	µg/kg dry	856	363	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**4,840**	D	µg/kg dry	856	382	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 856	D	µg/kg dry	856	798	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 856	D	µg/kg dry	856	269	5	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**96.5**		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229192	

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* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
14-B	183572.4445.0710	Glaze	19-Nov-12 13:45	21-Nov-12
SB60550-35				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1280	D	µg/kg dry	1280	637	10	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229094	X
11104-28-2	Aroclor-1221	< 1280	D	µg/kg dry	1280	1150	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1280	D	µg/kg dry	1280	819	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1280	D	µg/kg dry	1280	751	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1280	D	µg/kg dry	1280	626	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	38,700	D	µg/kg dry	1280	541	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	5,040	D	µg/kg dry	1280	569	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1280	D	µg/kg dry	1280	1190	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1280	D	µg/kg dry	1280	401	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.3		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229192	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
14-C	183572.4445.0710	Glaze	19-Nov-12 13:55	21-Nov-12
S[illegible]50-36				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 369	D	µg/kg dry	369	184	2	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229093	X
11104-28-2	Aroclor-1221	< 369	D	µg/kg dry	369	332	2	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 369	D	µg/kg dry	369	237	2	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 369	D	µg/kg dry	369	217	2	"	"	"	"	"	X
12672-29-6	Aroclor-1248	17,100	D	µg/kg dry	369	150	2	"	"	"	"	"	X
11097-69-1	Aroclor-1254	47,700	D	µg/kg dry	369	157	2	"	"	"	"	"	X
11096-82-5	Aroclor-1260	2,910	D	µg/kg dry	369	165	2	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 369	D	µg/kg dry	369	344	2	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 369	D	µg/kg dry	369	116	2	"	"	"	"	"	X
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)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.8		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229192	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
15-A SB60550-37	183572.4445.0710	Glaze	19-Nov-12 09:50	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 389		µg/kg dry	389	194	1	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229093	X
11104-28-2	Aroclor-1221	< 389		µg/kg dry	389	350	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 389		µg/kg dry	389	250	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 389		µg/kg dry	389	229	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 389		µg/kg dry	389	191	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 389		µg/kg dry	389	285	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 389		µg/kg dry	389	149	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 389		µg/kg dry	389	362	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 389		µg/kg dry	389	122	1	"	"	"	"	"	X
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]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.5		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229192	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
16-A [illegible]550-38	183572.4445.0710	Glaze	19-Nov-12 13:00	21-Nov-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 349	D	µg/kg dry	349	174	2	SW846 8082A	27-Nov-12	01-Dec-12	IMR	1229093	X
11104-28-2	Aroclor-1221	< 349	D	µg/kg dry	349	314	2	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 349	D	µg/kg dry	349	224	2	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 349	D	µg/kg dry	349	205	2	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 349	D	µg/kg dry	349	171	2	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,950	D	µg/kg dry	349	148	2	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 349	D	µg/kg dry	349	134	2	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 349	D	µg/kg dry	349	325	2	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 349	D	µg/kg dry	349	109	2	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	28-Nov-12	28-Nov-12	DT	1229192	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229093 - SW846 3540C										
Blank (1229093-BLK1)					Prepared: 27-Nov-12 Analyzed: 30-Nov-12					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*27.0*		µg/kg wet		*20.0*		*135*	*30-150*		
LCS (1229093-BS1)					Prepared: 27-Nov-12 Analyzed: 30-Nov-12					
Aroclor-1016	**191**		µg/kg wet	20.0	250		76	40-140		
Aroclor-1016 [2C]	**216**		µg/kg wet	20.0	250		86	40-140		
Aroclor-1260	**160**		µg/kg wet	20.0	250		64	40-140		
Aroclor-1260 [2C]	**156**		µg/kg wet	20.0	250		62	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
LCS Dup (1229093-BSD1)					Prepared: 27-Nov-12 Analyzed: 30-Nov-12					
Aroclor-1016	**191**		µg/kg wet	20.0	250		76	40-140	0	30
Aroclor-1016 [2C]	**220**		µg/kg wet	20.0	250		88	40-140	2	30
Aroclor-1260	**160**		µg/kg wet	20.0	250		64	40-140	0	30
Aroclor-1260 [2C]	**155**		µg/kg wet	20.0	250		62	40-140	0.6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Duplicate (1229093-DUP1)		R01	**Source: SB60550-01**		Prepared: 27-Nov-12 Analyzed: 30-Nov-12					
Aroclor-1016	< 17700	D	µg/kg dry	17700		BRL				30
Aroclor-1016 [2C]	< 17700	D	µg/kg dry	17700		BRL				30
Aroclor-1221	< 17700	D	µg/kg dry	17700		BRL				30
Aroclor-1221 [2C]	< 17700	D	µg/kg dry	17700		BRL				30
Aroclor-1232	< 17700	D	µg/kg dry	17700		BRL				30
Aroclor-1232 [2C]	< 17700	D	µg/kg dry	17700		BRL				30
Aroclor-1242	< 17700	D	µg/kg dry	17700		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229093 - SW846 3540C										
Duplicate (1229093-DUP1)		R01	Source: SB60550-01		Prepared: 27-Nov-12 Analyzed: 30-Nov-12					
Aroclor-1242 [2C]	< 17700	D	µg/kg dry	17700		BRL				30
Aroclor-1248	< 17700	D	µg/kg dry	17700		BRL				30
Aroclor-1248 [2C]	< 17700	D	µg/kg dry	17700		BRL				30
Aroclor-1254	< 17700	D	µg/kg dry	17700		BRL				30
Aroclor-1254 [2C]	< 17700	D	µg/kg dry	17700		BRL				30
Aroclor-1260	< 17700	D	µg/kg dry	17700		BRL				30
Aroclor-1260 [2C]	< 17700	D	µg/kg dry	17700		BRL				30
Aroclor-1262	< 17700	D	µg/kg dry	17700		BRL				30
Aroclor-1262 [2C]	< 17700	D	µg/kg dry	17700		BRL				30
Aroclor-1268	< 17700	D	µg/kg dry	17700		BRL				30
Aroclor-1268 [2C]	< 17700	D	µg/kg dry	17700		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*177*			*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*177*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*177*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*177*			*30-150*		
Matrix Spike (1229093-MS1)		R01	Source: SB60550-01		Prepared: 27-Nov-12 Analyzed: 01-Dec-12					
Aroclor-1016	< 18600	QM4X, D	µg/kg dry	18600	2320	BRL		40-140		
Aroclor-1016 [2C]	< 18600	QM4X, D	µg/kg dry	18600	2320	BRL		40-140		
Aroclor-1260	< 18600	QM4X, D	µg/kg dry	18600	2320	BRL		40-140		
Aroclor-1260 [2C]	< 18600	QM4X, D	µg/kg dry	18600	2320	BRL		40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*186*			*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*186*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*186*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*186*			*30-150*		
Matrix Spike Dup (1229093-MSD1)		R01	Source: SB60550-01		Prepared: 27-Nov-12 Analyzed: 01-Dec-12					
Aroclor-1016	< 19600	QM4X, D	µg/kg dry	19600	2450	BRL		40-140		30
Aroclor-1016 [2C]	< 19600	QM4X, D	µg/kg dry	19600	2450	BRL		40-140		30
Aroclor-1260	< 19600	QM4X, D	µg/kg dry	19600	2450	BRL		40-140		30
Aroclor-1260 [2C]	< 19600	QM4X, D	µg/kg dry	19600	2450	BRL		40-140		30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*196*			*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*196*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*196*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*196*			*30-150*		
Batch 1229094 - SW846 3540C										
Blank (1229094-BLK1)					Prepared: 27-Nov-12 Analyzed: 30-Nov-12					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229094 - SW846 3540C										
Blank (1229094-BLK1)						Prepared: 27-Nov-12	Analyzed: 30-Nov-12			
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*27.0*		µg/kg wet		*20.0*		*135*	*30-150*		
LCS (1229094-BS1)						Prepared: 27-Nov-12	Analyzed: 30-Nov-12			
Aroclor-1016	**209**		µg/kg wet	20.0	250		84	40-140		
Aroclor-1016 [2C]	**216**		µg/kg wet	20.0	250		86	40-140		
Aroclor-1260	**182**		µg/kg wet	20.0	250		73	40-140		
Aroclor-1260 [2C]	**156**		µg/kg wet	20.0	250		62	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
LCS Dup (1229094-BSD1)						Prepared: 27-Nov-12	Analyzed: 30-Nov-12			
Aroclor-1016	**203**		µg/kg wet	20.0	250		81	40-140	3	30
Aroclor-1016 [2C]	**220**		µg/kg wet	20.0	250		88	40-140	2	30
Aroclor-1260	**178**		µg/kg wet	20.0	250		71	40-140	2	30
Aroclor-1260 [2C]	**161**		µg/kg wet	20.0	250		64	40-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.0*		µg/kg wet		*20.0*		*125*	*30-150*		
Duplicate (1229094-DUP1)		R01	**Source: SB60550-18**			Prepared: 27-Nov-12	Analyzed: 30-Nov-12			
Aroclor-1016	< 18700	D	µg/kg dry	18700		BRL				30
Aroclor-1016 [2C]	< 18700	D	µg/kg dry	18700		BRL				30
Aroclor-1221	< 18700	D	µg/kg dry	18700		BRL				30
Aroclor-1221 [2C]	< 18700	D	µg/kg dry	18700		BRL				30
Aroclor-1232	< 18700	D	µg/kg dry	18700		BRL				30
Aroclor-1232 [2C]	< 18700	D	µg/kg dry	18700		BRL				30
Aroclor-1242	< 18700	D	µg/kg dry	18700		BRL				30
Aroclor-1242 [2C]	< 18700	D	µg/kg dry	18700		BRL				30
Aroclor-1248	< 18700	D	µg/kg dry	18700		BRL				30
Aroclor-1248 [2C]	< 18700	D	µg/kg dry	18700		BRL				30
Aroclor-1254	< 18700	D	µg/kg dry	18700		BRL				30
Aroclor-1254 [2C]	< 18700	D	µg/kg dry	18700		BRL				30
Aroclor-1260	< 18700	D	µg/kg dry	18700		BRL				30
Aroclor-1260 [2C]	< 18700	D	µg/kg dry	18700		BRL				30
Aroclor-1262	< 18700	D	µg/kg dry	18700		BRL				30
Aroclor-1262 [2C]	< 18700	D	µg/kg dry	18700		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229094 - SW846 3540C										
Duplicate (1229094-DUP1)		R01	**Source: SB60550-18**		Prepared: 27-Nov-12 Analyzed: 30-Nov-12					
Aroclor-1268	< 18700	D	µg/kg dry	18700		BRL				30
Aroclor-1268 [2C]	< 18700	D	µg/kg dry	18700		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*187*			*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*187*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*187*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*187*			*30-150*		
Matrix Spike (1229094-MS1)		R01	**Source: SB60550-18**		Prepared: 27-Nov-12 Analyzed: 30-Nov-12					
Aroclor-1016	< 18700	QM4X, D	µg/kg dry	18700	2340	BRL		40-140		
Aroclor-1016 [2C]	< 18700	QM4X, D	µg/kg dry	18700	2340	BRL		40-140		
Aroclor-1260	< 18700	QM4X, D	µg/kg dry	18700	2340	BRL		40-140		
Aroclor-1260 [2C]	< 18700	QM4X, D	µg/kg dry	18700	2340	BRL		40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*187*			*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*187*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*187*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*187*			*30-150*		
Matrix Spike Dup (1229094-MSD1)		R01	**Source: SB60550-18**		Prepared: 27-Nov-12 Analyzed: 30-Nov-12					
Aroclor-1016	< 20200	QM4X, D	µg/kg dry	20200	2530	BRL		40-140		30
Aroclor-1016 [2C]	< 20200	QM4X, D	µg/kg dry	20200	2530	BRL		40-140		30
Aroclor-1260	< 20200	QM4X, D	µg/kg dry	20200	2530	BRL		40-140		30
Aroclor-1260 [2C]	< 20200	QM4X, D	µg/kg dry	20200	2530	BRL		40-140		30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*202*			*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*202*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*202*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*202*			*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229190 - General Preparation										
Duplicate (1229190-DUP1)			**Source: SB60550-07**			Prepared & Analyzed: 28-Nov-12				
% Solids	99.9		%			98.9			1	20

Notes and Definitions

D	Data reported from a dilution
S1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QM4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
R01	The Reporting Limit has been raised to account for matrix interference.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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

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

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

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

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

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

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

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

Validated by:
Kimberly Wisk
Nicole Leja

CT DAS Rates Apply

SB 60550

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 4

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

Report To: Erik Plimpton
EPlimpton@tresolutions.com
Telephone #: 860-298-6280
Project Mgr. Erik Plimpton

Invoice To: Same
P.O. No.: _____ RQN: _____

Project No.: 183572.4445.0710
Site Name: Bradley International Airport - IAB
Location: Windsor Locks State: CT
Sampler(s): MKostrzebe

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

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

MA DEP MCP CAM Report: Yes [ ] No [x]
CT DPH RCP Report: Yes [x] No [ ]

QA/QC Reporting Level
[x] Standard [ ] No QC [ ] DQA* [ ] NY ASP A* [ ] NY 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	8082/3540C	State-specific reporting standards:
60550-01	1-A	11/19/12	0855	G	X1			1			C1-Northwest-Exterior
-02	1-B		0910								C1 " "
-03	1-C		0915								C1 " "
-04	2-A		0920								C2-Exterior-TSA Entry Arside
-05	2-B		1020								C2-Bay 1-Interior
-06	2-C		1320								C2-Public side-Exterior-Overhang No end
-07	3-A		0925								C3-Exterior-Arside-TSA Entry
-08	3-B		1105								C3-Interior-Ground Floor-Stairway 1
-09	3-C		1140								C3-Exterior-Public side-southeast-
10	4-A		0930		X2						Lot 1-Exterior-Arside-TSA Entry

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	11/20/12	1530	
[signature]	[signature]	11/21/12		1.4
	[signature]	11/21/12	1315	1.4

[ ] EDD Format _____
[ ] E-mail to _____

Condition upon receipt: [ ] Ambient [ ] Iced [x] Refrigerated [ ] DI VOA Frozen [ ] Soil Jar Frozen

CT DAS Rates Apply

C00550

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 4

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
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- Samples disposed of after 60 days unless otherwise instructed.

Report To: Erik Plimpton
eplimpton@tetsolutions.com
Telephone #: 860-298-6280
Project Mgr. Erik Plimpton

Invoice To: Same
P.O. No.: _____ RQN: _____

Project No.: 183572.4445.0310
Site Name: Bradley International Airport - IAB
Location: Windsor Locks State: CT
Sampler(s): M Kostrubiak

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

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: 8260 / 8540 C

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8260 / 8540 C	State-specific reporting standards:
C0550-11	4-B	11/19/12	0940	G	X1			1		X	W1-Exterior-Airside-Ob 13 4
-12	4-C		0948								W1-Exterior-Airside-Northern
-13	5-A		1524		X1						W2A Interior-B23 Area
-14	5-B		1518								W2A-Interior B22 Area
-15	5-C		1518								W1A-Interior B22 Area
-16	6-A		0940								C4-Exterior-Airside-Northern
-17	6-B		1410								C4-Exterior-Public Side-Ryckman
-18	6-C		1420								C4-Exterior-Public Side-Northern
-19	7-A		1000								C5-Exterior-Airside-Ts Center
-20	7-B		1004								C5-" "

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	11/20/12	1530	
[signature]	[signature]	11/21/12	1325	1.4

☐ EDD Format _____
☐ E-mail to _____

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

CTDAS Rates Apply

60550

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 4

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

Report To: Eric Plimpton
Eplimpton@trcsolutions.com
Telephone #: 860-298-6280
Project Mgr.

Invoice To: Same
P.O. No.: _____ RQN: _____

Project No.: 183572.4445.0010
Site Name: Bradley International Airport [IAB]
Location: Windsor Locks State: CT
Sampler(s): M. Kostrubas

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

List preservative code below: 11

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

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: 8082/3540C

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C	State-specific reporting standards:
60550-21	8-A	11/19/12	1010	G	X1			1		X	C6-Exterior-Airside ofTS4
-22	9-A		1030		X2						W6-2-Southside ofRm172 (exterior
-23	9-B		1054								W6-2-Southside exterior ofRm167
-24	10-A		1115								W6-3-Interior-Rm171A
-25	10-B		1127								W6-3-Interior-Rm171
-26	10-C		1139								W6-3Interior-Rm167
-27	11-A		1400		X1						C7-Exterior-Upper entry door
-28	11-B		1410								C7-Exterior-Lower entry door-North
-29	11-C		1419								C7-Exterior-" "
-30	12-A		1450								C8-Interior-Rth corridor-Northentry

Relinquished by:	Received by:	Date:	Time	Temp°C
[signature]	[signature]	11/20/12	1530	
	JLH	11/21/12	1315	1.4

☐ EDD Format _____
☐ E-mail to _____

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

QA/QC Reporting Notes:
* additional charges may apply

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV*
☐ Other _____

State-specific reporting standards:

CT DAS Rates Apply

L0550

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Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 4

Special Handling:
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- ☐ Rush TAT - Date Needed: _____
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- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Erik Plimpton
Eplimpton@trc solutions.com
Telephone #: 860-298-6280
Project Mgr. Erik Plimpton

Invoice To: Same
P.O. No.: _____ RQN: _____

Project No.: 183572.4445.0210
Site Name: Bradley International Airport [IAB]
Location: Windsor Locks State: CT
Sampler(s): Mkostriba

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

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply.

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

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

QA/QC Reporting Level
☑ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV* ☐ Other _____

State-specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		Analyses: 8082/3540C							State-specific reporting standards:
L0550-31	12-B	11/19/12	1500	G	X1			1			X							CT-Interior-Pilot room/Air Authority
32	13-A		1505		X2													WS-Interior-Area 3
33	13-B		1506															WS-Interior-Area 3
34	14-A		1350															WG4-Exterior-North side of airport
35	14-B		1345															WG4 " "
36	14-C		1355															WG4 " "
37	15-A		0950															OWG1-Exterior-B22 Parking Ramp
38	16-A		1300															OWG2-Interior (Area 1)

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	11/20/12	1530	
	[signature]	11/21/12	1315	1.4

☐ EDD Format _____
☐ E-mail to _____

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

Report Date:
27-Dec-12 16:26

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: BIA-Terminal B-Concourse A-Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB62088-01	6D	Caulk	17-Dec-12 08:40	19-Dec-12 15:10
SB62088-02	6E	Caulk	17-Dec-12 08:30	19-Dec-12 15:10
SB62088-03	6F	Caulk	17-Dec-12 08:31	19-Dec-12 15:10
SB62088-04	6G	Caulk	17-Dec-12 08:50	19-Dec-12 15:10

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

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

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 12 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

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

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: BIA-Terminal B-Concourse A-Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
12/17/2012

Laboratory Sample ID(s):
SB62088-01 through SB62088-04

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 12/27/2012

CASE NARRATIVE:

The samples were received 2.1 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.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

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

SW846 8082A

Spikes:

1231391-MS1 *Source: SB62088-02*

The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.

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

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

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

1231391-MSD1 *Source: SB62088-02*

The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.

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

SW846 8082A

Spikes:

1231391-MSD1 *Source: SB62088-02*

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

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

Duplicates:

1231391-DUP1 *Source: SB62088-02*

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

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

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

Samples:

SB62088-01 *6D*

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

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

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

SB62088-02 *6E*

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

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

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

SB62088-03 *6F*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SW846 8082A

Samples:

SB62088-04 *6G*

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

Aroclor-1260
Aroclor-1262
Aroclor-1268

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
6D [redacted]088-01	183572.4445.0710	Caulk	17-Dec-12 08:40	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 416000	D	µg/kg dry	416000	208000	2000	SW846 8082A	20-Dec-12	27-Dec-12	BLM	1231391	X
11104-28-2	Aroclor-1221	< 416000	D	µg/kg dry	416000	375000	2000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 416000	D	µg/kg dry	416000	267000	2000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 416000	D	µg/kg dry	416000	245000	2000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 416000	D	µg/kg dry	416000	204000	2000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	96,800,000	D	µg/kg dry	416000	305000	2000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 416000	D	µg/kg dry	416000	159000	2000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 416000	D	µg/kg dry	416000	387000	2000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 416000	D	µg/kg dry	416000	131000	2000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.0		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231347	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
6E SB62088-02	183572.4445.0710	Caulk	17-Dec-12 08:30	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 399000	D	µg/kg dry	399000	199000	2000	SW846 8082A	20-Dec-12	27-Dec-12	BLM	1231391	X
11104-28-2	Aroclor-1221	< 399000	D	µg/kg dry	399000	359000	2000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 399000	D	µg/kg dry	399000	256000	2000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 399000	D	µg/kg dry	399000	235000	2000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 399000	D	µg/kg dry	399000	196000	2000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	87,900,000	D	µg/kg dry	399000	292000	2000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 399000	D	µg/kg dry	399000	153000	2000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 399000	D	µg/kg dry	399000	371000	2000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 399000	D	µg/kg dry	399000	125000	2000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	95.1		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231407	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
6F S[illegible]88-03	183572.4445.0710	Caulk	17-Dec-12 08:31	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 982	R01	µg/kg dry	982	491	1	SW846 8082A	20-Dec-12	27-Dec-12	BLM	1231391	X
11104-28-2	Aroclor-1221	< 982	R01	µg/kg dry	982	885	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 982	R01	µg/kg dry	982	631	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 982	R01	µg/kg dry	982	579	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 982	R01	µg/kg dry	982	482	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 982	R01	µg/kg dry	982	720	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 982	R01	µg/kg dry	982	377	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 982	R01	µg/kg dry	982	915	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 982	R01	µg/kg dry	982	308	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231407	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
6G SB62088-04	183572.4445.0710	Caulk	17-Dec-12 08:50	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 183		µg/kg dry	183	91.6	1	SW846 8082A	20-Dec-12	22-Dec-12	BLM	1231391	X
11104-28-2	Aroclor-1221	< 183		µg/kg dry	183	165	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 183		µg/kg dry	183	118	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 183		µg/kg dry	183	108	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 183		µg/kg dry	183	89.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,620		µg/kg dry	183	77.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 916	R01	µg/kg dry	916	351	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 916	R01	µg/kg dry	916	854	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 916	R01	µg/kg dry	916	288	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231407	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1231391 - SW846 3540C										
Blank (1231391-BLK1)						Prepared: 20-Dec-12 Analyzed: 21-Dec-12				
Aroclor-1016	< 200		µg/kg wet	200						
Aroclor-1016 [2C]	< 200		µg/kg wet	200						
Aroclor-1221	< 200		µg/kg wet	200						
Aroclor-1221 [2C]	< 200		µg/kg wet	200						
Aroclor-1232	< 200		µg/kg wet	200						
Aroclor-1232 [2C]	< 200		µg/kg wet	200						
Aroclor-1242	< 200		µg/kg wet	200						
Aroclor-1242 [2C]	< 200		µg/kg wet	200						
Aroclor-1248	< 200		µg/kg wet	200						
Aroclor-1248 [2C]	< 200		µg/kg wet	200						
Aroclor-1254	< 200		µg/kg wet	200						
Aroclor-1254 [2C]	< 200		µg/kg wet	200						
Aroclor-1260	< 200		µg/kg wet	200						
Aroclor-1260 [2C]	< 200		µg/kg wet	200						
Aroclor-1262	< 200		µg/kg wet	200						
Aroclor-1262 [2C]	< 200		µg/kg wet	200						
Aroclor-1268	< 200		µg/kg wet	200						
Aroclor-1268 [2C]	< 200		µg/kg wet	200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*200*		µg/kg wet		*200*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*200*		µg/kg wet		*200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*210*		µg/kg wet		*200*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*180*		µg/kg wet		*200*		*90*	*30-150*		
LCS (1231391-BS1)						Prepared: 20-Dec-12 Analyzed: 21-Dec-12				
Aroclor-1016	**2640**		µg/kg wet	200	2500		106	40-140		
Aroclor-1016 [2C]	**2310**		µg/kg wet	200	2500		92	40-140		
Aroclor-1260	**2470**		µg/kg wet	200	2500		99	40-140		
Aroclor-1260 [2C]	**2050**		µg/kg wet	200	2500		82	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*210*		µg/kg wet		*200*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*190*		µg/kg wet		*200*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*210*		µg/kg wet		*200*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*190*		µg/kg wet		*200*		*95*	*30-150*		
LCS Dup (1231391-BSD1)						Prepared: 20-Dec-12 Analyzed: 22-Dec-12				
Aroclor-1016	**2660**		µg/kg wet	200	2500		106	40-140	0.8	30
Aroclor-1016 [2C]	**2240**		µg/kg wet	200	2500		90	40-140	3	30
Aroclor-1260	**2460**		µg/kg wet	200	2500		98	40-140	0.4	30
Aroclor-1260 [2C]	**2000**		µg/kg wet	200	2500		80	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*210*		µg/kg wet		*200*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*180*		µg/kg wet		*200*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*210*		µg/kg wet		*200*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*180*		µg/kg wet		*200*		*90*	*30-150*		
Duplicate (1231391-DUP1)		GS1	**Source: SB62088-02**			Prepared: 20-Dec-12 Analyzed: 27-Dec-12				
Aroclor-1016	< 376000	D	µg/kg dry	376000		BRL				30
Aroclor-1016 [2C]	< 376000	D	µg/kg dry	376000		BRL				30
Aroclor-1221	< 376000	D	µg/kg dry	376000		BRL				30
Aroclor-1221 [2C]	< 376000	D	µg/kg dry	376000		BRL				30
Aroclor-1232	< 376000	D	µg/kg dry	376000		BRL				30
Aroclor-1232 [2C]	< 376000	D	µg/kg dry	376000		BRL				30
Aroclor-1242	< 376000	D	µg/kg dry	376000		BRL				30
Aroclor-1242 [2C]	< 376000	D	µg/kg dry	376000		BRL				30
Aroclor-1248	< 376000	D	µg/kg dry	376000		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1231391 - SW846 3540C										
Duplicate (1231391-DUP1)		GS1	**Source: SB62088-02**		Prepared: 20-Dec-12 Analyzed: 27-Dec-12					
Aroclor-1248 [2C]	< 376000	D	µg/kg dry	376000		BRL				30
Aroclor-1254	**85500000**	D	µg/kg dry	376000		87900000			3	30
Aroclor-1254 [2C]	**86600000**	D	µg/kg dry	376000		78200000			10	30
Aroclor-1260	< 376000	D	µg/kg dry	376000		BRL				30
Aroclor-1260 [2C]	< 376000	D	µg/kg dry	376000		BRL				30
Aroclor-1262	< 376000	D	µg/kg dry	376000		BRL				30
Aroclor-1262 [2C]	< 376000	D	µg/kg dry	376000		BRL				30
Aroclor-1268	< 376000	D	µg/kg dry	376000		BRL				30
Aroclor-1268 [2C]	< 376000	D	µg/kg dry	376000		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*188*			*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*188*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*188*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*188*			*30-150*		
Matrix Spike (1231391-MS1)			**Source: SB62088-02**		Prepared: 20-Dec-12 Analyzed: 27-Dec-12					
Aroclor-1016	**875000**	QM1, D	µg/kg dry	398000	2490	BRL	35200	40-140		
Aroclor-1016 [2C]	**597000**	QM1, D	µg/kg dry	398000	2490	BRL	24000	40-140		
Aroclor-1260	**33400000**	QM1, D	µg/kg dry	398000	2490	BRL	1340000	40-140		
Aroclor-1260 [2C]	**17900000**	QM1, D	µg/kg dry	398000	2490	BRL	721000	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*199*			*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*199*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*199*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*199*			*30-150*		
Matrix Spike Dup (1231391-MSD1)			**Source: SB62088-02**		Prepared: 20-Dec-12 Analyzed: 27-Dec-12					
Aroclor-1016	**901000**	QM1, D	µg/kg dry	401000	2500	BRL	36000	40-140	2	30
Aroclor-1016 [2C]	**521000**	QM1, D	µg/kg dry	401000	2500	BRL	20800	40-140	14	30
Aroclor-1260	**35000000**	QM1, D	µg/kg dry	401000	2500	BRL	1400000	40-140	4	30
Aroclor-1260 [2C]	**18100000**	QM1, D	µg/kg dry	401000	2500	BRL	722000	40-140	0.1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*200*			*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*200*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*200*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*200*			*30-150*		

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QM1	The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
R01	The Reporting Limit has been raised to account for matrix interference.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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

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

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

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

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

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

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

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

Validated by:
June O'Connor

CT DAS RATES Apply SB62088 OK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

Report To: Henry Laliberte

Telephone #: 860-798-5689

Project Mgr. Henry Laliberte

Invoice To: Same

P.O. No.: C183572 RQN: _____

Project No.: 183572.4445.0010

Site Name: BIA - IAB (International Airport)

Location: Windsor State: CT

Sampler(s): Mike Kostrubi, Greg Kaczynski

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

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

G=Grab C=Composite

List preservative code below: 11

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: 8082/3540C

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C
62088-01	GD	12/17/12	0840	G	X1		1			X
02	GE		0830				1			
03	GF		0831				1			
04	GG		0850				1			

QA/QC Reporting Notes:
* additional charges may apply

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

QA/QC Reporting Level
☑ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV* ☐ Other _____

State-specific reporting standards:

C4-Ext, Public Side - Expansion
C4-Ext, Public Side - Expansion
C4-Ext, Public Side, West
C4-Ext, Air Side, Window frame

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	12/18/12	1650	
	[signature]	12/19/12	1390	2.1

☐ EDD Format _____
☒ E-mail to HLaliberte@trcSolutions.com

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

Report Date:
01-Aug-13 12:38

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

IAB #1
Bulk

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: BIA-Terminal B-Concourse A-Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB73891-01	01	Caulk	23-Jul-13 11:00	26-Jul-13 16:10

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

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

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 7 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

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

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: BIA-Terminal B-Concourse A-Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
7/23/2013

Laboratory Sample ID(s):
SB73891-01

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	✓ Yes	No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes	✓ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 8/1/2013

CASE NARRATIVE:

The samples were received 0.6 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

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

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

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

Sample Acceptance Check Form

Client:	TRC - Windsor, CT
Project:	BIA-Terminal B-Concourse A-Windsor Locks, CT / 183572.4445.0710
Work Order:	SB73891
Sample(s) received on:	7/26/2013
Received by:	Jessica Hoffman

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

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
01 S[illegible]891-01	183572.4445.0710	Caulk	23-Jul-13 11:00	26-Jul-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 158		µg/kg dry	158	118	1	SW846 8082A	29-Jul-13	31-Jul-13	BLM	1317915	X
11104-28-2	Aroclor-1221	< 158		µg/kg dry	158	142	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 158		µg/kg dry	158	101	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 158		µg/kg dry	158	94.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 158		µg/kg dry	158	81.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	796		µg/kg dry	158	131	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 158		µg/kg dry	158	97.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 158		µg/kg dry	158	147	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 158		µg/kg dry	158	65.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	29-Jul-13	29-Jul-13	DT	1317903	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1317915 - SW846 3540C										
Blank (1317915-BLK1)					Prepared: 29-Jul-13 Analyzed: 30-Jul-13					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*27.0*		µg/kg wet		*20.0*		*135*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*25.0*		µg/kg wet		*20.0*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*29.0*		µg/kg wet		*20.0*		*145*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*29.0*		µg/kg wet		*20.0*		*145*	*30-150*		
LCS (1317915-BS1)					Prepared: 29-Jul-13 Analyzed: 30-Jul-13					
Aroclor-1016	**298**		µg/kg wet	20.0	250		119	40-140		
Aroclor-1016 [2C]	**270**		µg/kg wet	20.0	250		108	40-140		
Aroclor-1260	**276**		µg/kg wet	20.0	250		110	40-140		
Aroclor-1260 [2C]	**315**		µg/kg wet	20.0	250		126	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*12.0*		µg/kg wet		*20.0*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*27.0*		µg/kg wet		*20.0*		*135*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*27.0*		µg/kg wet		*20.0*		*135*	*30-150*		
LCS Dup (1317915-BSD1)					Prepared: 29-Jul-13 Analyzed: 30-Jul-13					
Aroclor-1016	**294**		µg/kg wet	20.0	250		118	40-140	1	30
Aroclor-1016 [2C]	**273**		µg/kg wet	20.0	250		109	40-140	1	30
Aroclor-1260	**280**		µg/kg wet	20.0	250		112	40-140	1	30
Aroclor-1260 [2C]	**320**		µg/kg wet	20.0	250		128	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*27.0*		µg/kg wet		*20.0*		*135*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*27.0*		µg/kg wet		*20.0*		*135*	*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.

Validated by:
Kimberly Wisk

SB73891 JB

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Gregory Kaczynski
21 Griffin Rd North
Windsor, CT 06095
TRC Environmental
Telephone #: 860-298-9692
Project Mgr. Henry Lalibert

Invoice To: (Same as Report)
P.O. No.: C183572 RQN:

Project No.: 183572.0000.4445.0710
Site Name: RIA - IAB
Location: Windsor Locks State: CT
Sampler(s): Gregory Kaczynski

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

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: RCP 2002/8260 40X

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

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	RCP 2002/8260 40X	
73891-01	01	7/23/13	1100	G	X1			X		X	

CT-ext. Public site Location

RCP per Project Manual 7/27/13 JB

06/10/06 IR02

Relinquished by:	Received by:	Date:	Time:	Temp°C
DK	DK	7/26/13	9:50	
DK	JLH	7/26/13	1610	

☐ EDD Format
☐ E-mail to

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1-IA8 S[illegible]393-71	183572.4445.0710	Caulk	16-Aug-13 09:07	20-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 128		µg/kg dry	128	95.6	1	SW846 8082A	22-Aug-13	24-Aug-13	BLM	1320310	X
11104-28-2	Aroclor-1221	< 128		µg/kg dry	128	115	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 128		µg/kg dry	128	82.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 128		µg/kg dry	128	77.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 128		µg/kg dry	128	66.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	960		µg/kg dry	128	107	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 128		µg/kg dry	128	79.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 128		µg/kg dry	128	119	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 128		µg/kg dry	128	52.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320228	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
2-1A8 SB75393-72	183572.4445.0710	Caulk	16-Aug-13 09:13	20-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 123		µg/kg dry	123	91.6	1	SW846 8082A	22-Aug-13	24-Aug-13	BLM	1320310	X
11104-28-2	Aroclor-1221	< 123		µg/kg dry	123	110	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 123		µg/kg dry	123	78.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 123		µg/kg dry	123	73.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 123		µg/kg dry	123	63.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,370		µg/kg dry	123	102	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 123		µg/kg dry	123	76.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 123		µg/kg dry	123	114	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 123		µg/kg dry	123	50.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320228	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
3-MT SB75393-73	183572.4445.0710	Caulk	16-Aug-13 08:55	20-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 119000	D	µg/kg dry	119000	88900	1000	SW846 8082A	22-Aug-13	24-Aug-13	BLM	1320310	X
11104-28-2	Aroclor-1221	< 119000	D	µg/kg dry	119000	107000	1000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 119000	D	µg/kg dry	119000	76400	1000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 119000	D	µg/kg dry	119000	71600	1000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 119000	D	µg/kg dry	119000	61900	1000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**24,700,000**	D	µg/kg dry	119000	99200	1000	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	**2,740,000**	P, D	µg/kg dry	119000	59500	1000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 119000	D	µg/kg dry	119000	111000	1000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 119000	D	µg/kg dry	119000	49100	1000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**91.7**		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320228	

Utilize CT DAS Rates

8875393 JB

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CHAIN OF CUSTODY RECORD

Page 8 of 8

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: (Same as 1st Page)

Telephone #:

Project Mgr.

Invoice To: (Same as 1st Page)

P.O. No.: RQN:

Project No.: 183572.4445.0710

Site Name: BIA - IAB + MT

Location: Windsor Locks State: CT

Sampler(s): GK / MK

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

List preservative code below:

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

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: 8082/3546

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3546	Other Analyses	State-specific reporting standards:
75393 71	1-IAB	8/16/13	0907	G	X1			1		X		Brown caulk - Bldg 1
72	2-IAB	↓	0913	↓	↓			1		X		" " - Bldg 2
73	3-MT	↓	0855	↓	↓			1		X		Grey caulk - Bldg 4

QA/QC Reporting Notes:
* additional charges may apply

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	8/19/13	1620	
[signature]	[signature]	8/20/13	9m	
[signature]	[signature]	8-20-13	16:30	
2-1/-1/1.1 IR				

☐ EDD Format
☐ E-mail to

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

Report Date:
03-Oct-13 15:07

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

IAB

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: Conn DOT - Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB77706-01	C1-A	Caulk	26-Sep-13 18:05	01-Oct-13 16:10
SB77706-02	C1-B	Caulk	26-Sep-13 18:10	01-Oct-13 16:10
SB77706-03	C1-C	Caulk	26-Sep-13 18:00	01-Oct-13 16:10
SB77706-04	C4C-1	Caulk	26-Sep-13 18:20	01-Oct-13 16:10
SB77706-05	C4C-2	Caulk	26-Sep-13 18:25	01-Oct-13 16:10
SB77706-06	WG2(A)	Caulk	27-Sep-13 11:20	01-Oct-13 16:10
SB77706-07	WG2(B)	Caulk	27-Sep-13 11:35	01-Oct-13 16:10

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

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

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 15 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

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

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.

Project Location: Conn DOT - Windsor Locks, CT

Project Name and Number: Conn DOT - Windsor Locks, CT / 183572.4445.0710

This form provides certification for the following data set: SB77706-01 through SB77706-07

Sample matrices:	**Analytical methods used:**
Caulk	SM2540 G Mod. SW846 8082A

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes	☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes	☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes	☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☑ Yes	☐ No *

* The compounds and/or elements reported are as 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.

Negative responses for A, B and C 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.

Nicole Leja

Nicole Leja
Laboratory Director
Date: 10/3/2013

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Conn DOT - Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
9/26/2013 through 9/27/2013

Laboratory Sample ID(s):
SB77706-01 through SB77706-07

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes	✓ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 10/3/2013

CASE NARRATIVE:

The samples were received 2.5 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

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

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

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

SW846 8082A

Samples:

SB77706-01 *C1-A*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr)

SB77706-02 *C1-B*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr)

SW846 8082A

Samples:

SB77706-03 *C1-C*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr)

SB77706-04 *C4C-1*

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

SB77706-05 *C4C-2*

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

Sample Acceptance Check Form

Client:	TRC - Windsor, CT
Project:	Conn DOT - Windsor Locks, CT / 183572.4445.0710
Work Order:	SB77706
Sample(s) received on:	10/1/2013
Received by:	Tanya Krivolenko

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

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C1-A [redacted]706-01	183572.4445.0710	Caulk	26-Sep-13 18:05	01-Oct-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 140		µg/kg dry	140	104	1	SW846 8082A	01-Oct-13	02-Oct-13	IMR	1323682	X
11104-28-2	Aroclor-1221	< 140		µg/kg dry	140	126	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 140		µg/kg dry	140	89.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 140		µg/kg dry	140	84.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 140		µg/kg dry	140	72.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 699	R01	µg/kg dry	699	583	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 699	R01	µg/kg dry	699	434	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 699	R01	µg/kg dry	699	651	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 699	R01	µg/kg dry	699	288	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*205*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	02-Oct-13	02-Oct-13	DT	1323770	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C1-B SB77706-02	183572.4445.0710	Caulk	26-Sep-13 18:10	01-Oct-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 108		µg/kg dry	108	81.0	1	SW846 8082A	01-Oct-13	02-Oct-13	IMR	1323682	X
11104-28-2	Aroclor-1221	< 108		µg/kg dry	108	97.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 108		µg/kg dry	108	69.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 108		µg/kg dry	108	65.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 108		µg/kg dry	108	56.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 542	R01	µg/kg dry	542	452	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 542	R01	µg/kg dry	542	336	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 542	R01	µg/kg dry	542	505	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 542	R01	µg/kg dry	542	224	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*510*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	02-Oct-13	02-Oct-13	DT	1323770	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C1-C [redacted]06-03	183572.4445.0710	Caulk	26-Sep-13 18:00	01-Oct-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 133		µg/kg dry	133	99.1	1	SW846 8082A	01-Oct-13	02-Oct-13	IMR	1323682	X
11104-28-2	Aroclor-1221	< 133		µg/kg dry	133	119	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 133		µg/kg dry	133	85.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 133		µg/kg dry	133	79.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 133		µg/kg dry	133	69.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 663	R01	µg/kg dry	663	553	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 663	R01	µg/kg dry	663	411	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 663	R01	µg/kg dry	663	618	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 663	R01	µg/kg dry	663	274	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*1790*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*135*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.1		%			1	SM2540 G Mod.	02-Oct-13	02-Oct-13	DT	1323770	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C4C-1 SB77706-04	183572.4445.0710	Caulk	26-Sep-13 18:20	01-Oct-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 554		µg/kg dry	554	414	1	SW846 8082A	01-Oct-13	02-Oct-13	IMR	1323682	X
11104-28-2	Aroclor-1221	< 554		µg/kg dry	554	499	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 554		µg/kg dry	554	356	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 554		µg/kg dry	554	333	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 554		µg/kg dry	554	288	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 554		µg/kg dry	554	462	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 554		µg/kg dry	554	343	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 554		µg/kg dry	554	516	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 554		µg/kg dry	554	228	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	02-Oct-13	02-Oct-13	DT	1323770	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C4C-2 [illegible]706-05	183572.4445.0710	Caulk	26-Sep-13 18:25	01-Oct-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 704		µg/kg dry	704	526	1	SW846 8082A	01-Oct-13	02-Oct-13	IMR	1323682	X
11104-28-2	Aroclor-1221	< 704		µg/kg dry	704	635	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 704		µg/kg dry	704	452	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 704		µg/kg dry	704	424	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 704		µg/kg dry	704	366	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 704		µg/kg dry	704	587	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 704		µg/kg dry	704	437	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 704		µg/kg dry	704	656	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 704		µg/kg dry	704	291	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*40*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.4		%			1	SM2540 G Mod.	02-Oct-13	02-Oct-13	DT	1323771	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
WG2(A)	183572.4445.0710	Caulk	27-Sep-13 11:20	01-Oct-13
SB77706-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 146		µg/kg dry	146	109	1	SW846 8082A	01-Oct-13	02-Oct-13	IMR	1323682	X
11104-28-2	Aroclor-1221	< 146		µg/kg dry	146	132	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 146		µg/kg dry	146	93.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 146		µg/kg dry	146	87.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 146		µg/kg dry	146	76.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 146		µg/kg dry	146	122	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 146		µg/kg dry	146	90.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 146		µg/kg dry	146	136	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 146		µg/kg dry	146	60.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*30*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	02-Oct-13	02-Oct-13	DT	1323771	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
WG2(B)	183572.4445.0710	Caulk	27-Sep-13 11:35	01-Oct-13
S[illegible]706-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 121		µg/kg dry	121	90.4	1	SW846 8082A	01-Oct-13	02-Oct-13	IMR	1323682	X
11104-28-2	Aroclor-1221	< 121		µg/kg dry	121	109	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 121		µg/kg dry	121	77.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 121		µg/kg dry	121	72.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 121		µg/kg dry	121	62.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 121		µg/kg dry	121	101	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 121		µg/kg dry	121	75.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 121		µg/kg dry	121	113	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 121		µg/kg dry	121	49.9	1	"	"	"	"	"	X
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]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	02-Oct-13	02-Oct-13	DT	1323771	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1323682 - SW846 3540C										
Blank (1323682-BLK1)					Prepared: 01-Oct-13 Analyzed: 02-Oct-13					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS (1323682-BS1)					Prepared: 01-Oct-13 Analyzed: 02-Oct-13					
Aroclor-1016	**214**		µg/kg wet	20.0	250		86	40-140		
Aroclor-1016 [2C]	**217**		µg/kg wet	20.0	250		87	40-140		
Aroclor-1260	**201**		µg/kg wet	20.0	250		80	40-140		
Aroclor-1260 [2C]	**209**		µg/kg wet	20.0	250		84	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
LCS Dup (1323682-BSD1)					Prepared: 01-Oct-13 Analyzed: 02-Oct-13					
Aroclor-1016	**214**		µg/kg wet	20.0	250		86	40-140	0	30
Aroclor-1016 [2C]	**207**		µg/kg wet	20.0	250		83	40-140	5	30
Aroclor-1260	**194**		µg/kg wet	20.0	250		78	40-140	4	30
Aroclor-1260 [2C]	**205**		µg/kg wet	20.0	250		82	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		

Notes and Definitions

R01	The Reporting Limit has been raised to account for matrix interference.
R02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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

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

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

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

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

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

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

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

Validated by:
June O'Connor

✓ SB77706RM

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

(Within CT DAS Rate)

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 2 Day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: TRC Environmental
21 Griffin Rd North
Windsor, CT 06095
Telephone #: 860-298-9692
Project Mgr. Henry Lubbock

Invoice To: (Same as report)
P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710
Site Name: ConnDOT-BIA-IAB
Location: Windsor Locks State: CT
Sampler(s): Mike Kostrubala

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

List preservative code below:

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

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: 8082/3540C

QA/QC Reporting Notes:
* additional charges may apply

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NYASP A* ☐ NYASP 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	8082/3540C	State-specific reporting standards
SB77706-01	C1-A	9/26/13	1805	G	X1		1			X	outside Bag & area
-02	C1-B	9/26/13	1810				1			X	
-03	C1-C		1800				1			X	
-04	C4C-1		1820							X	Public side - vent
-05	C4C-2		1825							X	
-06	WG2(A)	9/27/13	1120				1			X	Exterior - outside Bay door
-07	WG2(B)		1135							X	

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	10-1-13	9:55	
[signature]	[signature]	10-1-13	11:10	

☐ EDD Format
☐ E-mail to

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

35/-1/25 IR02

Report Date:
10-Dec-12 17:09

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: BIA-Terminal B-Concourse A-Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB61035-01	15A	Caulk/Glaze	28-Nov-12 10:50	03-Dec-12 17:00
SB61035-02	38A	Caulk/Glaze	28-Nov-12 11:00	03-Dec-12 17:00
SB61035-03	46A	Caulk/Glaze	28-Nov-12 11:09	03-Dec-12 17:00
SB61035-04	16C	Caulk/Glaze	30-Nov-12 13:23	03-Dec-12 17:00

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

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

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 10 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

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

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: BIA-Terminal B-Concourse A-Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
11/28/2012 through 11/30/2012

Laboratory Sample ID(s):
SB61035-01 through SB61035-04

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes No
3	Were samples received at an appropriate temperature?	✓ Yes No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes ✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes ✓ No Yes No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 12/10/2012

CASE NARRATIVE:

The samples were received 3.0 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.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetraehloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

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

SW846 8082A

Spikes:

1229995-MS2 *Source: SB61035-01*

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

Decachlorobiphenyl (Sr) [2C]

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Aroclor-1016
Aroclor-1016 [2C]

1229995-MSD2 *Source: SB61035-01*

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

Decachlorobiphenyl (Sr) [2C]

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Aroclor-1016

Samples:

SB61035-02 *38A*

SW846 8082A

Samples:

SB61035-02 *38A*

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

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

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

SB61035-03 *46A*

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

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

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

Sample Identification

15A

[redacted]1035-01

Client Project #	Matrix	Collection Date/Time	Received
183572.4445.0710	Caulk/Glaze	28-Nov-12 10:50	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 187		µg/kg dry	187	93.2	1	SW846 8082A	05-Dec-12	08-Dec-12	BLM	1229995	X
11104-28-2	Aroclor-1221	< 187		µg/kg dry	187	168	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 187		µg/kg dry	187	120	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 187		µg/kg dry	187	110	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 187		µg/kg dry	187	91.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	7,420		µg/kg dry	187	137	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	588		µg/kg dry	187	71.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 187		µg/kg dry	187	174	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 187		µg/kg dry	187	58.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229906	

Sample Identification

38A

SB6I035-02

Client Project #	Matrix	Collection Date/Time	Received
183572.4445.0710	Caulk/Glaze	28-Nov-12 11:00	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 367000	D	µg/kg dry	367000	184000	2000	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229995	X
11104-28-2	Aroclor-1221	< 367000	D	µg/kg dry	367000	331000	2000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 367000	D	µg/kg dry	367000	236000	2000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 367000	D	µg/kg dry	367000	216000	2000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 367000	D	µg/kg dry	367000	180000	2000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	20,200,000	D	µg/kg dry	367000	156000	2000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 367000	D	µg/kg dry	367000	141000	2000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 367000	D	µg/kg dry	367000	342000	2000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 367000	D	µg/kg dry	367000	115000	2000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
[redacted]-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
38A SB61035-02	183572.4445.0710	Caulk/Glaze	28-Nov-12 11:00	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
General Chemistry Parameters													
	% Solids	98.1		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229906	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
46A SB61035-03	183572.4445.0710	Caulk/Glaze	28-Nov-12 11:09	03-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 869000	D	µg/kg dry	869000	434000	5000	SW846 8082A	05-Dec-12	09-Dec-12	BLM	1229995	X
11104-28-2	Aroclor-1221	< 869000	D	µg/kg dry	869000	783000	5000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 869000	D	µg/kg dry	869000	558000	5000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 869000	D	µg/kg dry	869000	512000	5000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 869000	D	µg/kg dry	869000	426000	5000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	7,860,000	D	µg/kg dry	869000	369000	5000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 869000	D	µg/kg dry	869000	333000	5000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 869000	D	µg/kg dry	869000	809000	5000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 869000	D	µg/kg dry	869000	273000	5000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229906	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
16C	183572.4445.0710	Caulk/Glaze	30-Nov-12 13:23	03-Dec-12
S[illegible]035-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 165		µg/kg dry	165	82.5	1	SW846 8082A	05-Dec-12	08-Dec-12	BLM	1229995	X
11104-28-2	Aroclor-1221	< 165		µg/kg dry	165	149	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 165		µg/kg dry	165	106	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 165		µg/kg dry	165	97.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 165		µg/kg dry	165	81.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	760		µg/kg dry	165	121	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 165		µg/kg dry	165	63.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 165		µg/kg dry	165	154	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 165		µg/kg dry	165	51.8	1	"	"	"	"	"	X
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)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	05-Dec-12	05-Dec-12	DT	1229906	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229995 - SW846 3540C										
Blank (1229995-BLK1)					Prepared: 05-Dec-12 Analyzed: 07-Dec-12					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
LCS (1229995-BS1)					Prepared: 05-Dec-12 Analyzed: 07-Dec-12					
Aroclor-1016	**206**		µg/kg wet	20.0	250		82	40-140		
Aroclor-1016 [2C]	**210**		µg/kg wet	20.0	250		84	40-140		
Aroclor-1260	**186**		µg/kg wet	20.0	250		74	40-140		
Aroclor-1260 [2C]	**164**		µg/kg wet	20.0	250		66	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS (1229995-BS2)					Prepared: 05-Dec-12 Analyzed: 07-Dec-12					
Aroclor-1268	**813**		µg/kg wet	20.0	1000		81	40-140		
Aroclor-1268 [2C]	**764**		µg/kg wet	20.0	1000		76	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*27.0*		µg/kg wet		*20.0*		*135*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*29.0*		µg/kg wet		*20.0*		*145*	*30-150*		
LCS Dup (1229995-BSD1)					Prepared: 05-Dec-12 Analyzed: 07-Dec-12					
Aroclor-1016	**204**		µg/kg wet	20.0	250		82	40-140	1	30
Aroclor-1016 [2C]	**205**		µg/kg wet	20.0	250		82	40-140	2	30
Aroclor-1260	**185**		µg/kg wet	20.0	250		74	40-140	0.5	30
Aroclor-1260 [2C]	**163**		µg/kg wet	20.0	250		65	40-140	0.6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS Dup (1229995-BSD2)					Prepared: 05-Dec-12 Analyzed: 07-Dec-12					
Aroclor-1268	**813**		µg/kg wet	20.0	1000		81	40-140	0	30
Aroclor-1268 [2C]	**782**		µg/kg wet	20.0	1000		78	40-140	2	30

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

* Reportable Detection Limit

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1229995 - SW846 3540C										
LCS Dup (1229995-BSD2)						Prepared: 05-Dec-12	Analyzed: 07-Dec-12			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*27.0*		µg/kg wet		*20.0*		*135*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*30.0*		µg/kg wet		*20.0*		*150*	*30-150*		
Matrix Spike (1229995-MS2)			Source: SB61035-01			Prepared: 05-Dec-12	Analyzed: 08-Dec-12			
Aroclor-1016	**3700**	QM7	µg/kg dry	181	2270	BRL	163	40-140		
Aroclor-1016 [2C]	**3570**	QM7	µg/kg dry	181	2270	BRL	158	40-140		
Aroclor-1260	**2320**		µg/kg dry	181	2270	588	76	40-140		
Aroclor-1260 [2C]	**2860**		µg/kg dry	181	2270	588	100	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*217*		µg/kg dry		*181*		*120*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*263*		µg/kg dry		*181*		*145*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*154*		µg/kg dry		*181*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*317*	SGC	µg/kg dry		*181*		*175*	*30-150*		
Matrix Spike Dup (1229995-MSD2)			Source: SB61035-01			Prepared: 05-Dec-12	Analyzed: 08-Dec-12			
Aroclor-1016	**3770**	QM7	µg/kg dry	173	2170	BRL	174	40-140	6	30
Aroclor-1016 [2C]	**2950**		µg/kg dry	173	2170	BRL	136	40-140	15	30
Aroclor-1260	**2580**		µg/kg dry	173	2170	588	92	40-140	19	30
Aroclor-1260 [2C]	**3180**		µg/kg dry	173	2170	588	120	40-140	17	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*199*		µg/kg dry		*173*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*234*		µg/kg dry		*173*		*135*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*147*		µg/kg dry		*173*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*295*	SGC	µg/kg dry		*173*		*170*	*30-150*		

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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

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

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

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

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

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

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

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

Validated by:
June O'Connor
Nicole Leja

* Please utilize CT DAS Contract Rates *

SB 61035 OK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

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

Report To: H.L.
TRC
21 Griffin Rd No.
Windsor CT 06095
Telephone #: 860 298 6266
Project Mgr. H. Laliberte

Invoice To: H. Laliberte
TRC
21 Griffin Rd North
Windsor, CT 06095
P.O. No.: C183572 RQN: _____

Project No.: 183572-4445-00710
Site Name: BFA-Terminal B- Murphy Terminal & Conc A
Location: Windsor Locks State: CT
Sampler(s): TM / GK

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

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

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

QA/QC Reporting Level
- [x] Standard ☐ No QC ☐ DQA*
- ☐ NY ASP A* ☐ NY 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	PCB 8082/3540C								State-specific reporting standards:
61035-01	15A	11/28/12	1050	G	K1			1		X								C15-2nd FL RF, west side
02	38A	↓	1100	↓	↓			1		X								WG4-
03	46A	↓	1109	↓	↓			1		X								WG12- ↓
↓ 04	16C	11/30/12	1323	X	X			1		X								C9- Conc A- ext, east side

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	11/30/12	1630	
[signature]	[signature]	12-3-12	17:00	3.0

☐ EDD Format _____
☒ E-mail to HLaliberte@TRCsolutions.com

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

Report Date:
17-Dec-12 16:57

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: ConnDOT-Murphy Termial, BIA
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB61522-01	1A	Caulk	04-Dec-12 07:57	10-Dec-12 17:15
SB61522-02	1B	Caulk	04-Dec-12 08:04	10-Dec-12 17:15
SB61522-03	2A	Caulk	04-Dec-12 08:10	10-Dec-12 17:15
SB61522-04	2B	Caulk	04-Dec-12 09:44	10-Dec-12 17:15
SB61522-05	2C	Caulk	04-Dec-12 11:35	10-Dec-12 17:15
SB61522-06	3A	Caulk	04-Dec-12 08:21	10-Dec-12 17:15
SB61522-07	3B	Caulk	04-Dec-12 10:00	10-Dec-12 17:15
SB61522-08	3C	Caulk	04-Dec-12 11:00	10-Dec-12 17:15
SB61522-09	4A	Caulk	04-Dec-12 10:10	10-Dec-12 17:15
SB61522-10	4B	Caulk	04-Dec-12 10:05	10-Dec-12 17:15
SB61522-11	7A	Caulk	30-Nov-12 14:36	10-Dec-12 17:15
SB61522-12	8A	Caulk	04-Dec-12 11:40	10-Dec-12 17:15
SB61522-13	8B	Caulk	04-Dec-12 12:00	10-Dec-12 17:15
SB61522-14	28A	Caulk	04-Dec-12 13:50	10-Dec-12 17:15
SB61522-15	9A	Caulk	04-Dec-12 13:36	10-Dec-12 17:15
SB61522-16	9B	Caulk	04-Dec-12 13:55	10-Dec-12 17:15
SB61522-17	11A	Caulk	30-Nov-12 13:52	10-Dec-12 17:15
SB61522-18	11B	Caulk	30-Nov-12 13:55	10-Dec-12 17:15
SB61522-19	12A	Caulk	04-Dec-12 08:37	10-Dec-12 17:15
SB61522-20	12B	Caulk	04-Dec-12 08:30	10-Dec-12 17:15
SB61522-21	12C	Caulk	04-Dec-12 08:35	10-Dec-12 17:15
SB61522-22	13A	Caulk	05-Dec-12 11:06	10-Dec-12 17:15
SB61522-23	13B	Caulk	05-Dec-12 11:35	10-Dec-12 17:15
SB61522-24	14A	Caulk	05-Dec-12 11:14	10-Dec-12 17:15
SB61522-25	14B	Caulk	05-Dec-12 11:10	10-Dec-12 17:15
SB61522-26	15A	Caulk	05-Dec-12 14:25	10-Dec-12 17:15
SB61522-27	15B	Caulk	05-Dec-12 10:40	10-Dec-12 17:15
SB61522-28	16A	Caulk	03-Dec-12 09:01	10-Dec-12 17:15
SB61522-29	16B	Caulk	03-Dec-12 09:06	10-Dec-12 17:15
SB61522-30	16C	Caulk	03-Dec-12 09:11	10-Dec-12 17:15
SB61522-31	17A	Caulk	03-Dec-12 10:28	10-Dec-12 17:15
SB61522-32	18A	Caulk	03-Dec-12 11:28	10-Dec-12 17:15
SB61522-33	18B	Caulk	03-Dec-12 11:38	10-Dec-12 17:15
SB61522-34	18C	Caulk	03-Dec-12 11:46	10-Dec-12 17:15
SB61522-35	56A	Caulk	04-Dec-12 14:42	10-Dec-12 17:15
SB61522-36	56B	Caulk	05-Dec-12 08:31	10-Dec-12 17:15
SB61522-37	56C	Caulk	05-Dec-12 08:25	10-Dec-12 17:15

SB61522-38	29A	Caulk	05-Dec-12 11:35	10-Dec-12 17:15
SB61522-39	29B	Caulk	05-Dec-12 11:56	10-Dec-12 17:15
SB61522-40	30A	Caulk	05-Dec-12 14:04	10-Dec-12 17:15
SB61522-41	30B	Caulk	05-Dec-12 14:09	10-Dec-12 17:15
SB61522-42	30C	Caulk	05-Dec-12 14:20	10-Dec-12 17:15
SB61522-43	57A	Caulk	04-Dec-12 14:46	10-Dec-12 17:15
SB61522-44	57B	Caulk	05-Dec-12 08:46	10-Dec-12 17:15
SB61522-45	58A	Caulk	05-Dec-12 13:20	10-Dec-12 17:15
SB61522-46	58B	Caulk	05-Dec-12 13:30	10-Dec-12 17:15
SB61522-47	58C	Caulk	05-Dec-12 13:41	10-Dec-12 17:15
SB61522-48	35A	Caulk	04-Dec-12 08:50	10-Dec-12 17:15
SB61522-49	35B	Caulk	04-Dec-12 09:42	10-Dec-12 17:15
SB61522-50	55A	Caulk	04-Dec-12 09:01	10-Dec-12 17:15
SB61522-51	55B	Caulk	04-Dec-12 08:55	10-Dec-12 17:15
SB61522-52	36A	Caulk	04-Dec-12 11:45	10-Dec-12 17:15
SB61522-53	36B	Caulk	04-Dec-12 13:20	10-Dec-12 17:15
SB61522-54	37A	Caulk	04-Dec-12 14:22	10-Dec-12 17:15
SB61522-55	37B	Caulk	04-Dec-12 14:26	10-Dec-12 17:15
SB61522-56	38B	Caulk	04-Dec-12 14:30	10-Dec-12 17:15
SB61522-57	40A	Caulk	05-Dec-12 10:21	10-Dec-12 17:15
SB61522-58	40B	Caulk	05-Dec-12 10:31	10-Dec-12 17:15
SB61522-59	41A	Caulk	05-Dec-12 10:32	10-Dec-12 17:15
SB61522-60	42A	Caulk	05-Dec-12 14:45	10-Dec-12 17:15
SB61522-61	46B	Caulk	03-Dec-12 10:15	10-Dec-12 17:15
SB61522-62	46C	Caulk	03-Dec-12 10:20	10-Dec-12 17:15
SB61522-63	50A	Caulk	04-Dec-12 11:00	10-Dec-12 17:15
SB61522-64	50B	Caulk	04-Dec-12 11:20	10-Dec-12 17:15
SB61522-65	51A	Caulk	03-Dec-12 08:25	10-Dec-12 17:15
SB61522-66	51B	Caulk	04-Dec-12 11:10	10-Dec-12 17:15
SB61522-67	51C	Caulk	04-Dec-12 13:15	10-Dec-12 17:15
SB61522-68	52A	Caulk	04-Dec-12 10:20	10-Dec-12 17:15
SB61522-69	54A	Caulk	03-Dec-12 09:50	10-Dec-12 17:15
SB61522-70	54B	Caulk	03-Dec-12 09:57	10-Dec-12 17:15
SB61522-71	54C	Caulk	03-Dec-12 11:18	10-Dec-12 17:15
SB61522-72	S11A	Caulk	05-Dec-12 14:09	10-Dec-12 17:15

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

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

Authorized by:

Nicole Leja

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 94 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

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

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.

Project Location: ConnDOT-Murphy Termial, BIA

Project Name and Number: ConnDOT-Murphy Termial, BIA / 183572.4445.0710

This form provides certification for the following data set: SB61522-01 through SB61522-72

Sample matrices:	**Analytical methods used:**
Caulk	SM2540 G Mod. SW846 8082A

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes	☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes	☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes	☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes	☑ No *

* The compounds and/or elements reported are as 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.

Negative responses for A, B and C 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.

Nicole Leja

Nicole Leja
Laboratory Director
Date: 12/17/2012

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: ConnDOT-Murphy Termial, BIA

Project Number: 183572.4445.0710

Sampling Date(s):
11/30/2012 through 12/5/2012

Laboratory Sample ID(s):
SB61522-01 through SB61522-72

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 12/17/2012

CASE NARRATIVE:

The samples were received 2.8 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.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

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

SW846 8082A

Laboratory Control Samples:

1230493-BS2

The recovery of surrogate Decachlorobiphenyl was outside of the acceptance limits due to interference from a co-eluting Aroclor-1268 peak. The recovery of surrogate 4,4-DB-Octafluorobiphenyl is within acceptance limits.

Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

1230493-BSD2

The recovery of surrogate Decachlorobiphenyl was outside of the acceptance limits due to interference from a co-eluting Aroclor-1268 peak. The recovery of surrogate 4,4-DB-Octafluorobiphenyl is within acceptance limits.

Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

Spikes:

1230535-MS1 *Source: SB61522-13*

The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Aroclor-1016 [2C]

1230535-MSD1 *Source: SB61522-13*

SW846 8082A

Spikes:

1230535-MSD1 *Source: SB61522-13*

The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Aroclor-1016
Aroclor-1016 [2C]

Duplicates:

1230535-DUP1 *Source: SB61522-13*

Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results

Aroclor-1260

1230536-DUP1 *Source: SB61522-38*

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

Aroclor-1254 [2C]

1230537-DUP1 *Source: SB61522-54*

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

Aroclor-1016
Aroclor-1016 [2C]
Aroclor-1221
Aroclor-1221 [2C]
Aroclor-1232
Aroclor-1232 [2C]
Aroclor-1242
Aroclor-1242 [2C]
Aroclor-1248
Aroclor-1248 [2C]

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

Aroclor-1254

Samples:

SB61522-01 *1A*

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

Aroclor-1254

SB61522-05 *2C*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61522-06 *3A*

SW846 8082A

Samples:

SB61522-06 *3A*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248

SB61522-07 *3B*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248

SB61522-10 *4B*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr)

SB61522-15 *9A*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248

SB61522-16 *9B*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248

SB61522-17 *11A*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61522-18 *11B*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61522-23 *13B*

SW846 8082A

Samples:

SB61522-23 *13B*

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

Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61522-24 *14A*

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

Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61522-25 *14B*

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

Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61522-26 *15A*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248

SB61522-28 *16A*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61522-29 *16B*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61522-30 *16C*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61522-32 *18A*

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

SB61522-33 *18B*

SW846 8082A

Samples:

SB61522-33 *18B*

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

SB61522-34 *18C*

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

SB61522-35 *56A*

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

SB61522-36 *56B*

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

SB61522-37 *56C*

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

SB61522-40 *30A*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61522-41 *30B*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61522-42 *30C*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61522-43 *57A*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61522-44 *57B*

SW846 8082A

Samples:

SB61522-44 *57B*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61522-51 *55B*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SB61522-54 *37A*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248

SB61522-55 *37B*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248

SB61522-56 *38B*

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

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

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

SB61522-60 *42A*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61522-65 *51A*

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

Aroclor-1260
Aroclor-1262
Aroclor-1268

SB61522-68 *52A*

SW846 8082A

Samples:

SB61522-68 *52A*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1A SB61522-01	183572.4445.0710	Caulk	04-Dec-12 07:57	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 187		µg/kg dry	187	93.5	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230493	X
11104-28-2	Aroclor-1221	< 187		µg/kg dry	187	169	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 187		µg/kg dry	187	120	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 187		µg/kg dry	187	110	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 187		µg/kg dry	187	91.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 374	R01	µg/kg dry	374	274	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 187		µg/kg dry	187	71.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 187		µg/kg dry	187	174	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 187		µg/kg dry	187	58.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.2		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230577	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1B [redacted]522-02	183572.4445.0710	Caulk	04-Dec-12 08:04	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 175		µg/kg dry	175	87.6	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230493	X
11104-28-2	Aroclor-1221	< 175		µg/kg dry	175	158	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 175		µg/kg dry	175	113	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 175		µg/kg dry	175	103	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 175		µg/kg dry	175	86.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	430		µg/kg dry	175	74.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	1,240		µg/kg dry	175	67.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 175		µg/kg dry	175	163	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 175		µg/kg dry	175	55.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.5		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230577	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
2A SB61522-03	183572.4445.0710	Caulk	04-Dec-12 08:10	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 188		µg/kg dry	188	93.8	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230493	X
11104-28-2	Aroclor-1221	< 188		µg/kg dry	188	169	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 188		µg/kg dry	188	121	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 188		µg/kg dry	188	111	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 188		µg/kg dry	188	92.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 188		µg/kg dry	188	138	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	9,430		µg/kg dry	188	72.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 188		µg/kg dry	188	175	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	8,840		µg/kg dry	188	59.0	1	"	"	"	"	"	X
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]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230577	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
2B [redacted]522-04	183572.4445.0710	Caulk	04-Dec-12 09:44	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 161		µg/kg dry	161	80.5	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230493	X
11104-28-2	Aroclor-1221	< 161		µg/kg dry	161	145	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 161		µg/kg dry	161	103	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	2,630		µg/kg dry	161	63.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 161		µg/kg dry	161	79.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,680		µg/kg dry	161	118	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 161		µg/kg dry	161	61.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 161		µg/kg dry	161	150	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 161		µg/kg dry	161	50.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	98.4		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230577	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
2C SB61522-05	183572.4445.0710	Caulk	04-Dec-12 11:35	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 316	R01	µg/kg dry	316	158	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230493	X
11104-28-2	Aroclor-1221	< 316	R01	µg/kg dry	316	285	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 316	R01	µg/kg dry	316	203	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 316	R01	µg/kg dry	316	186	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 316	R01	µg/kg dry	316	155	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 316	R01	µg/kg dry	316	232	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 316	R01	µg/kg dry	316	121	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 316	R01	µg/kg dry	316	295	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 316	R01	µg/kg dry	316	99.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230577	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
3A [redacted]22-06	183572.4445.0710	Caulk	04-Dec-12 08:21	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 921	R01	µg/kg dry	921	460	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230493	X
11104-28-2	Aroclor-1221	< 921	R01	µg/kg dry	921	830	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 921	R01	µg/kg dry	921	591	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 921	R01	µg/kg dry	921	542	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 921	R01	µg/kg dry	921	452	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,640		µg/kg dry	184	78.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	746		µg/kg dry	184	70.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 184		µg/kg dry	184	172	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 184		µg/kg dry	184	57.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	98.7		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230577	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
3B SB61522-07	183572.4445.0710	Caulk	04-Dec-12 10:00	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 346	R01	µg/kg dry	346	173	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230493	X
11104-28-2	Aroclor-1221	< 346	R01	µg/kg dry	346	312	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 346	R01	µg/kg dry	346	222	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 346	R01	µg/kg dry	346	204	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 346	R01	µg/kg dry	346	170	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	416		µg/kg dry	173	127	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 173		µg/kg dry	173	66.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 173		µg/kg dry	173	161	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 173		µg/kg dry	173	54.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*53*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*103*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230577	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
3C [redacted]522-08	183572.4445.0710	Caulk	04-Dec-12 11:00	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 151		µg/kg dry	151	75.4	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230493	X
11104-28-2	Aroclor-1221	< 151		µg/kg dry	151	136	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 151		µg/kg dry	151	96.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 151		µg/kg dry	151	88.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 151		µg/kg dry	151	74.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 151		µg/kg dry	151	111	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 151		µg/kg dry	151	57.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 151		µg/kg dry	151	140	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 151		µg/kg dry	151	47.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.1		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230577	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
4A SB61522-09	183572.4445.0710	Caulk	04-Dec-12 10:10	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 163		µg/kg dry	163	81.6	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230493	X
11104-28-2	Aroclor-1221	< 163		µg/kg dry	163	147	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 163		µg/kg dry	163	105	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 163		µg/kg dry	163	96.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 163		µg/kg dry	163	80.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 163		µg/kg dry	163	120	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 163		µg/kg dry	163	62.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 163		µg/kg dry	163	152	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 163		µg/kg dry	163	51.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*135*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230577	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
4B [illegible]522-10	183572.4445.0710	Caulk	04-Dec-12 10:05	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 135		µg/kg dry	135	67.4	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230493	X
11104-28-2	Aroclor-1221	< 135		µg/kg dry	135	122	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 135		µg/kg dry	135	86.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 135		µg/kg dry	135	79.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 135		µg/kg dry	135	66.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 135		µg/kg dry	135	99.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 135		µg/kg dry	135	51.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 135		µg/kg dry	135	126	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 135		µg/kg dry	135	42.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*595*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230577	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
7A SB61522-11	183572.4445.0710	Caulk	30-Nov-12 14:36	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 152		µg/kg dry	152	75.9	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 152		µg/kg dry	152	137	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 152		µg/kg dry	152	97.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	1,280		µg/kg dry	152	89.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 152		µg/kg dry	152	74.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	4,780		µg/kg dry	152	111	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 152		µg/kg dry	152	58.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 152		µg/kg dry	152	141	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 152		µg/kg dry	152	47.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230577	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
8A 522-12	183572.4445.0710	Caulk	04-Dec-12 11:40	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 136		µg/kg dry	136	68.0	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 136		µg/kg dry	136	123	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 136		µg/kg dry	136	87.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	911		µg/kg dry	136	53.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 136		µg/kg dry	136	66.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	531		µg/kg dry	136	99.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 136		µg/kg dry	136	52.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 136		µg/kg dry	136	127	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 136		µg/kg dry	136	42.7	1	"	"	"	"	"	X
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)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230577	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
8B SB61522-13	183572.4445.0710	Caulk	04-Dec-12 12:00	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 157		µg/kg dry	157	78.6	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 157		µg/kg dry	157	142	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 157		µg/kg dry	157	101	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	968		µg/kg dry	157	61.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 157		µg/kg dry	157	77.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	448		µg/kg dry	157	115	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 157		µg/kg dry	157	60.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 157		µg/kg dry	157	147	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 157		µg/kg dry	157	49.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.6		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230577	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
28A [redacted]22-14	183572.4445.0710	Caulk	04-Dec-12 13:50	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 191		µg/kg dry	191	95.6	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 191		µg/kg dry	191	172	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 191		µg/kg dry	191	123	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 191		µg/kg dry	191	113	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 191		µg/kg dry	191	93.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 191		µg/kg dry	191	140	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 191		µg/kg dry	191	73.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 191		µg/kg dry	191	178	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 191		µg/kg dry	191	60.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	98.5		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230577	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
9A SB61522-15	183572.4445.0710	Caulk	04-Dec-12 13:36	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 379	R01	µg/kg dry	379	189	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 379	R01	µg/kg dry	379	341	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 379	R01	µg/kg dry	379	243	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 379	R01	µg/kg dry	379	223	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 379	R01	µg/kg dry	379	186	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	454		µg/kg dry	189	139	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 189		µg/kg dry	189	72.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 189		µg/kg dry	189	176	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 189		µg/kg dry	189	59.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230577	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
9B [redacted]522-16	183572.4445.0710	Caulk	04-Dec-12 13:55	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 369	R01	µg/kg dry	369	185	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 369	R01	µg/kg dry	369	333	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 369	R01	µg/kg dry	369	237	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 369	R01	µg/kg dry	369	218	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 369	R01	µg/kg dry	369	181	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	665		µg/kg dry	185	78.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 185		µg/kg dry	185	70.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 185		µg/kg dry	185	172	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 185		µg/kg dry	185	58.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.8		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230577	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
11A SB61522-17	183572.4445.0710	Caulk	30-Nov-12 13:52	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 174		µg/kg dry	174	86.8	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 174		µg/kg dry	174	156	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 174		µg/kg dry	174	111	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 174		µg/kg dry	174	102	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 174		µg/kg dry	174	85.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 868	R01	µg/kg dry	868	637	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 868	R01	µg/kg dry	868	333	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 868	R01	µg/kg dry	868	809	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 868	R01	µg/kg dry	868	273	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.6		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230578	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
11B [redacted]22-18	183572.4445.0710	Caulk	30-Nov-12 13:55	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 154		µg/kg dry	154	76.8	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 154		µg/kg dry	154	139	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 154		µg/kg dry	154	98.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 154		µg/kg dry	154	90.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 154		µg/kg dry	154	75.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 769	R01	µg/kg dry	769	564	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 769	R01	µg/kg dry	769	295	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 769	R01	µg/kg dry	769	716	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 769	R01	µg/kg dry	769	241	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	96.3		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230578	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
12A SB61522-19	183572.4445.0710	Caulk	04-Dec-12 08:37	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 196		µg/kg dry	196	97.8	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 196		µg/kg dry	196	176	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 196		µg/kg dry	196	126	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 196		µg/kg dry	196	115	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 196		µg/kg dry	196	96.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	724		µg/kg dry	196	83.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	1,070		µg/kg dry	196	87.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 196		µg/kg dry	196	182	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 196		µg/kg dry	196	61.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230576	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
12B 522-20	183572.4445.0710	Caulk	04-Dec-12 08:30	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 188		µg/kg dry	188	93.9	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 188		µg/kg dry	188	169	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 188		µg/kg dry	188	121	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 188		µg/kg dry	188	111	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 188		µg/kg dry	188	92.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,830		µg/kg dry	188	138	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	8,300		µg/kg dry	188	72.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 188		µg/kg dry	188	175	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 188		µg/kg dry	188	59.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230578	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
12C SB61522-21	183572.4445.0710	Caulk	04-Dec-12 08:35	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 189		µg/kg dry	189	94.5	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 189		µg/kg dry	189	170	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 189		µg/kg dry	189	121	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 189		µg/kg dry	189	111	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 189		µg/kg dry	189	92.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,130		µg/kg dry	189	139	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	3,460		µg/kg dry	189	84.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 189		µg/kg dry	189	176	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 189		µg/kg dry	189	59.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.2		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230578	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
13A [redacted]522-22	183572.4445.0710	Caulk	05-Dec-12 11:06	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 183		µg/kg dry	183	91.4	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 183		µg/kg dry	183	165	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 183		µg/kg dry	183	117	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 183		µg/kg dry	183	108	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 183		µg/kg dry	183	89.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**1,020**		µg/kg dry	183	77.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**2,260**		µg/kg dry	183	81.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 183		µg/kg dry	183	170	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 183		µg/kg dry	183	57.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	**97.2**		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230578	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
13B SB61522-23	183572.4445.0710	Caulk	05-Dec-12 11:35	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 162		µg/kg dry	162	81.0	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 162		µg/kg dry	162	146	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 162		µg/kg dry	162	104	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 162		µg/kg dry	162	95.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 162		µg/kg dry	162	79.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	340		µg/kg dry	162	68.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 324	R01	µg/kg dry	324	124	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 324	R01	µg/kg dry	324	302	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 324	R01	µg/kg dry	324	102	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.4		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230578	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
14A [redacted]22-24	183572.4445.0710	Caulk	05-Dec-12 11:14	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 189		µg/kg dry	189	94.2	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 189		µg/kg dry	189	170	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 189		µg/kg dry	189	121	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 189		µg/kg dry	189	111	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 189		µg/kg dry	189	92.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	368		µg/kg dry	189	138	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 377	R01	µg/kg dry	377	145	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 377	R01	µg/kg dry	377	351	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 377	R01	µg/kg dry	377	118	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230578	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
14B SB61522-25	183572.4445.0710	Caulk	05-Dec-12 11:10	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 178		µg/kg dry	178	89.1	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 178		µg/kg dry	178	161	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 178		µg/kg dry	178	115	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 178		µg/kg dry	178	105	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 178		µg/kg dry	178	87.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	357		µg/kg dry	178	131	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 357	R01	µg/kg dry	357	137	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 357	R01	µg/kg dry	357	332	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 357	R01	µg/kg dry	357	112	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230578	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
15A S[illegible]2-26	183572.4445.0710	Caulk	05-Dec-12 14:25	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 292	R01	µg/kg dry	292	146	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 292	R01	µg/kg dry	292	263	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 292	R01	µg/kg dry	292	188	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 292	R01	µg/kg dry	292	172	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 292	R01	µg/kg dry	292	143	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	548		µg/kg dry	146	107	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	285		µg/kg dry	146	56.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 146		µg/kg dry	146	136	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 146		µg/kg dry	146	45.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230578	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
15B	183572.4445.0710	Caulk	05-Dec-12 10:40	10-Dec-12
SB61522-27				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 158		µg/kg dry	158	79.0	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 158		µg/kg dry	158	142	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 158		µg/kg dry	158	101	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 158		µg/kg dry	158	93.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 158		µg/kg dry	158	77.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,340		µg/kg dry	158	116	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	909		µg/kg dry	158	60.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 158		µg/kg dry	158	147	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 158		µg/kg dry	158	49.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230578	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
16A 522-28	183572.4445.0710	Caulk	03-Dec-12 09:01	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 198		µg/kg dry	198	98.9	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 198		µg/kg dry	198	178	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 198		µg/kg dry	198	127	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 198		µg/kg dry	198	117	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 198		µg/kg dry	198	97.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 990	R01	µg/kg dry	990	726	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 990	R01	µg/kg dry	990	379	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 990	R01	µg/kg dry	990	922	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 990	R01	µg/kg dry	990	311	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230578	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
16B	183572.4445.0710	Caulk	03-Dec-12 09:06	10-Dec-12
SB61522-29				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 144		µg/kg dry	144	71.9	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 144		µg/kg dry	144	130	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 144		µg/kg dry	144	92.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 144		µg/kg dry	144	84.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 144		µg/kg dry	144	70.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 719	R01	µg/kg dry	719	528	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 719	R01	µg/kg dry	719	276	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 719	R01	µg/kg dry	719	670	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 719	R01	µg/kg dry	719	226	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230578	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
16C[redacted]22-30	183572.4445.0710	Caulk	03-Dec-12 09:11	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 184		µg/kg dry	184	92.2	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 184		µg/kg dry	184	166	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 184		µg/kg dry	184	118	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 184		µg/kg dry	184	109	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 184		µg/kg dry	184	90.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 922	R01	µg/kg dry	922	676	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 922	R01	µg/kg dry	922	354	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 922	R01	µg/kg dry	922	859	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 922	R01	µg/kg dry	922	290	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*145*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.2		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230578	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
17A SB61522-31	183572.4445.0710	Caulk	03-Dec-12 10:28	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 286		µg/kg dry	286	143	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230536	X
11104-28-2	Aroclor-1221	< 286		µg/kg dry	286	257	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 286		µg/kg dry	286	183	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 286		µg/kg dry	286	168	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 286		µg/kg dry	286	140	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 286		µg/kg dry	286	209	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 286		µg/kg dry	286	109	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 286		µg/kg dry	286	266	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 286		µg/kg dry	286	89.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*			*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]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	66.1		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230578	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
18[illegible] [illegible]22-32	183572.4445.0710	Caulk	03-Dec-12 11:28	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 770		µg/kg dry	770	385	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230536	X
11104-28-2	Aroclor-1221	< 770		µg/kg dry	770	694	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 770		µg/kg dry	770	494	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 770		µg/kg dry	770	453	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 770		µg/kg dry	770	378	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 770		µg/kg dry	770	565	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 770		µg/kg dry	770	295	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 770		µg/kg dry	770	717	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 770		µg/kg dry	770	242	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[illegible]	% Solids	98.7		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230578	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
18B	183572.4445.0710	Caulk	03-Dec-12 11:38	10-Dec-12
SB61522-33				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 946		µg/kg dry	946	473	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230536	X
11104-28-2	Aroclor-1221	< 946		µg/kg dry	946	852	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 946		µg/kg dry	946	607	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 946		µg/kg dry	946	557	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 946		µg/kg dry	946	464	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 946		µg/kg dry	946	594	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 946		µg/kg dry	946	363	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 946		µg/kg dry	946	881	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 946		µg/kg dry	946	297	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**98.2**		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230578	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
18C [redacted]22-34	183572.4445.0710	Caulk	03-Dec-12 11:46	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 890		µg/kg dry	890	445	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230536	X
11104-28-2	Aroclor-1221	< 890		µg/kg dry	890	802	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 890		µg/kg dry	890	571	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 890		µg/kg dry	890	524	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 890		µg/kg dry	890	437	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 890		µg/kg dry	890	653	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 890		µg/kg dry	890	341	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 890		µg/kg dry	890	829	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 890		µg/kg dry	890	279	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	98.5		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230578	

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* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
56A SB61522-35	183572.4445.0710	Caulk	04-Dec-12 14:42	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 822		µg/kg dry	822	411	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230536	X
11104-28-2	Aroclor-1221	< 822		µg/kg dry	822	741	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 822		µg/kg dry	822	528	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 822		µg/kg dry	822	484	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 822		µg/kg dry	822	403	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 822		µg/kg dry	822	603	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 822		µg/kg dry	822	315	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 822		µg/kg dry	822	766	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 822		µg/kg dry	822	258	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*140*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.5		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230578	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
56[illegible] [illegible]22-36	183572.4445.0710	Caulk	05-Dec-12 08:31	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 387		µg/kg dry	387	193	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230536	X
11104-28-2	Aroclor-1221	< 387		µg/kg dry	387	348	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 387		µg/kg dry	387	248	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 387		µg/kg dry	387	228	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 387		µg/kg dry	387	190	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 387		µg/kg dry	387	284	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 387		µg/kg dry	387	148	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 387		µg/kg dry	387	360	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 387		µg/kg dry	387	121	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[illegible]	% Solids	99.4		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230578	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
56C SB61522-37	183572.4445.0710	Caulk	05-Dec-12 08:25	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 654		µg/kg dry	654	327	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230535	X
11104-28-2	Aroclor-1221	< 654		µg/kg dry	654	590	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 654		µg/kg dry	654	420	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 654		µg/kg dry	654	385	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 654		µg/kg dry	654	321	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 654		µg/kg dry	654	480	1	"	"	"	"	"	X
11096-82-5	Aroclor-1280	< 654		µg/kg dry	654	251	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 654		µg/kg dry	654	610	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 654		µg/kg dry	654	205	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230579	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
29A S[illegible]522-38	183572.4445.0710	Caulk	05-Dec-12 11:35	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 181		µg/kg dry	181	90.2	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230536	X
11104-28-2	Aroclor-1221	< 181		µg/kg dry	181	163	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 181		µg/kg dry	181	116	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 181		µg/kg dry	181	106	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 181		µg/kg dry	181	86.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	289		µg/kg dry	181	132	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	641		µg/kg dry	181	69.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 181		µg/kg dry	181	168	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 181		µg/kg dry	181	56.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	91.6		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230579	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
29B	183572.4445.0710	Caulk	05-Dec-12 11:56	10-Dec-12
SB61522-39				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 137		µg/kg dry	137	58.4	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230536	X
11104-28-2	Aroclor-1221	< 137		µg/kg dry	137	123	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 137		µg/kg dry	137	87.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 137		µg/kg dry	137	80.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 137		µg/kg dry	137	67.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 137		µg/kg dry	137	100	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 137		µg/kg dry	137	52.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 137		µg/kg dry	137	128	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 137		µg/kg dry	137	43.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.4		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230579	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
30A [redacted]522-40	183572.4445.0710	Caulk	05-Dec-12 14:04	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 190		µg/kg dry	190	94.7	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230536	X
11104-28-2	Aroclor-1221	< 190		µg/kg dry	190	171	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 190		µg/kg dry	190	122	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 190		µg/kg dry	190	112	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 190		µg/kg dry	190	93.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 379	R01	µg/kg dry	379	278	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 379	R01	µg/kg dry	379	145	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 379	R01	µg/kg dry	379	353	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 379	R01	µg/kg dry	379	119	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	98.0		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230579	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
30B	183572.4445.0710	Caulk	05-Dec-12 14:09	10-Dec-12
SB61522-41				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 351	R01	µg/kg dry	351	175	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230536	X
11104-28-2	Aroclor-1221	< 351	R01	µg/kg dry	351	316	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 351	R01	µg/kg dry	351	225	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 351	R01	µg/kg dry	351	207	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 351	R01	µg/kg dry	351	172	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 351	R01	µg/kg dry	351	258	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 351	R01	µg/kg dry	351	135	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 351	R01	µg/kg dry	351	327	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 351	R01	µg/kg dry	351	110	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.3		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230579	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
30C [redacted]522-42	183572.4445.0710	Caulk	05-Dec-12 14:20	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 200		µg/kg dry	200	100	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230536	X
11104-28-2	Aroclor-1221	< 200		µg/kg dry	200	181	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 200		µg/kg dry	200	129	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 200		µg/kg dry	200	118	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 200		µg/kg dry	200	98.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 401	R01	µg/kg dry	401	294	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 401	R01	µg/kg dry	401	154	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 401	R01	µg/kg dry	401	373	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 401	R01	µg/kg dry	401	126	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	98.1		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230579	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
57A SB61522-43	183572.4445.0710	Caulk	04-Dec-12 14:46	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 131		µg/kg dry	131	65.6	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230536	X
11104-28-2	Aroclor-1221	< 131		µg/kg dry	131	118	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 131		µg/kg dry	131	84.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 131		µg/kg dry	131	77.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 131		µg/kg dry	131	64.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 656	R01	µg/kg dry	656	481	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 656	R01	µg/kg dry	656	252	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 656	R01	µg/kg dry	656	611	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 656	R01	µg/kg dry	656	206	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230579	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
57B [illegible]522-44	183572.4445.0710	Caulk	05-Dec-12 08:46	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 195		µg/kg dry	195	97.6	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230536	X
11104-28-2	Aroclor-1221	< 195		µg/kg dry	195	176	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 195		µg/kg dry	195	125	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 195		µg/kg dry	195	115	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 195		µg/kg dry	195	95.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 977	R01	µg/kg dry	977	717	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 977	R01	µg/kg dry	977	374	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 977	R01	µg/kg dry	977	910	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 977	R01	µg/kg dry	977	307	1	"	"	"	"	"	X
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)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230579	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
58A SB61522-45	183572.4445.0710	Caulk	05-Dec-12 13:20	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 177		µg/kg dry	177	86.4	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230536	X
11104-28-2	Aroclor-1221	< 177		µg/kg dry	177	159	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 177		µg/kg dry	177	114	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 177		µg/kg dry	177	104	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 177		µg/kg dry	177	86.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 177		µg/kg dry	177	130	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 177		µg/kg dry	177	67.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 177		µg/kg dry	177	165	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 177		µg/kg dry	177	55.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	95.6		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230579	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
58[illegible] S[illegible]22-46	183572.4445.0710	Caulk	05-Dec-12 13:30	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 226		µg/kg dry	226	113	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230536	X
11104-28-2	Aroclor-1221	< 226		µg/kg dry	226	203	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 226		µg/kg dry	226	145	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 226		µg/kg dry	226	133	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 226		µg/kg dry	226	111	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 226		µg/kg dry	226	166	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 226		µg/kg dry	226	86.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 226		µg/kg dry	226	210	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 226		µg/kg dry	226	70.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[illegible]	% Solids	84.1		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230579	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
58C SB61522-47	183572.4445.0710	Caulk	05-Dec-12 13:41	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 178		µg/kg dry	178	89.2	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230536	X
11104-28-2	Aroclor-1221	< 178		µg/kg dry	178	161	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 178		µg/kg dry	178	115	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 178		µg/kg dry	178	105	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 178		µg/kg dry	178	87.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 178		µg/kg dry	178	131	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 178		µg/kg dry	178	68.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 178		µg/kg dry	178	166	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 178		µg/kg dry	178	56.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.5		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230579	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
35[illegible]22-48	183572.4445.0710	Caulk	04-Dec-12 08:50	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 179		µg/kg dry	179	89.4	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230536	X
11104-28-2	Aroclor-1221	< 179		µg/kg dry	179	161	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 179		µg/kg dry	179	115	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 179		µg/kg dry	179	105	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 179		µg/kg dry	179	87.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 179		µg/kg dry	179	131	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 179		µg/kg dry	179	68.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	**16,600**		µg/kg dry	179	167	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 179		µg/kg dry	179	56.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[illegible]	% Solids	98.6		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230579	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
35B SB61522-49	183572.4445.0710	Caulk	04-Dec-12 09:42	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 188		µg/kg dry	188	93.8	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230536	X
11104-28-2	Aroclor-1221	< 188		µg/kg dry	188	169	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 188		µg/kg dry	188	121	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 188		µg/kg dry	188	111	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 188		µg/kg dry	188	92.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,260		µg/kg dry	188	79.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 188		µg/kg dry	188	72.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	5,070		µg/kg dry	188	175	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 188		µg/kg dry	188	59.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230579	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
55A [redacted]522-50	183572.4445.0710	Caulk	04-Dec-12 09:01	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 183		µg/kg dry	183	91.5	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230536	X
11104-28-2	Aroclor-1221	< 183		µg/kg dry	183	165	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 183		µg/kg dry	183	118	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 183		µg/kg dry	183	108	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 183		µg/kg dry	183	89.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	943		µg/kg dry	183	77.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 183		µg/kg dry	183	70.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 183		µg/kg dry	183	171	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 183		µg/kg dry	183	57.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	98.4		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230579	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
55B				
SB61522-51	183572.4445.0710	Caulk	04-Dec-12 08:55	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 199		µg/kg dry	199	99.4	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230537	X
11104-28-2	Aroclor-1221	< 199		µg/kg dry	199	179	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 199		µg/kg dry	199	128	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 199		µg/kg dry	199	117	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 199		µg/kg dry	199	97.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,060		µg/kg dry	199	146	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 199		µg/kg dry	199	76.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 199		µg/kg dry	199	185	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 199		µg/kg dry	199	62.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*175*	S02		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230579	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
36A SB61522-52	183572.4445.0710	Caulk	04-Dec-12 11:45	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 134		µg/kg dry	134	66.9	1	SW846 8082A	11-Dec-12	13-Dec-12	IMR	1230537	X
11104-28-2	Aroclor-1221	< 134		µg/kg dry	134	121	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 134		µg/kg dry	134	86.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 134		µg/kg dry	134	78.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 134		µg/kg dry	134	65.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 134		µg/kg dry	134	98.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 134		µg/kg dry	134	51.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 134		µg/kg dry	134	125	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 134		µg/kg dry	134	42.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.0		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230579	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
36B SB61522-53	183572.4445.0710	Caulk	04-Dec-12 13:20	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 162		µg/kg dry	162	81.1	1	SW846 8082A	11-Dec-12	13-Dec-12	IMR	1230537	X
11104-28-2	Aroclor-1221	< 162		µg/kg dry	162	146	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 162		µg/kg dry	162	104	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 162		µg/kg dry	162	95.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 162		µg/kg dry	162	79.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 162		µg/kg dry	162	119	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 162		µg/kg dry	162	62.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 162		µg/kg dry	162	151	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 162		µg/kg dry	162	51.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230579	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
37A				
SB61522-54	183572.4445.0710	Caulk	04-Dec-12 14:22	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 932	R01	µg/kg dry	932	465	1	SW846 8082A	11-Dec-12	13-Dec-12	IMR	1230537	X
11104-28-2	Aroclor-1221	< 932	R01	µg/kg dry	932	839	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 932	R01	µg/kg dry	932	598	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 932	R01	µg/kg dry	932	549	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 932	R01	µg/kg dry	932	457	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	810		µg/kg dry	186	137	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 186		µg/kg dry	186	71.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 186		µg/kg dry	186	174	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 186		µg/kg dry	186	58.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230579	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
37B SB61522-55	183572.4445.0710	Caulk	04-Dec-12 14:26	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 788	R01	µg/kg dry	788	394	1	SW846 8082A	11-Dec-12	13-Dec-12	IMR	1230537	X
11104-28-2	Aroclor-1221	< 788	R01	µg/kg dry	788	710	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 788	R01	µg/kg dry	788	506	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 788	R01	µg/kg dry	788	464	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 788	R01	µg/kg dry	788	386	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	945		µg/kg dry	158	66.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 158		µg/kg dry	158	70.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 158		µg/kg dry	158	147	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 158		µg/kg dry	158	49.5	1	"	"	"	"	"	X
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)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230579	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
38[illegible]	183572.4445.0710	Caulk	04-Dec-12 14:30	10-Dec-12
S[illegible]22-56				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 359000	D	µg/kg dry	359000	179000	2000	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230537	X
11104-28-2	Aroclor-1221	< 359000	D	µg/kg dry	359000	323000	2000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 359000	D	µg/kg dry	359000	230000	2000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 359000	D	µg/kg dry	359000	211000	2000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 359000	D	µg/kg dry	359000	176000	2000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	16,200,000	D	µg/kg dry	359000	152000	2000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 359000	D	µg/kg dry	359000	137000	2000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 359000	D	µg/kg dry	359000	334000	2000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 359000	D	µg/kg dry	359000	113000	2000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[illegible]	% Solids	96.4		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230579	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
40A	183572.4445.0710	Caulk	05-Dec-12 10:21	10-Dec-12
SB61522-57				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 187		µg/kg dry	187	93.6	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230537	X
11104-28-2	Aroclor-1221	< 187		µg/kg dry	187	169	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 187		µg/kg dry	187	120	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 187		µg/kg dry	187	110	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 187		µg/kg dry	187	92.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	4,400		µg/kg dry	187	137	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	2,770		µg/kg dry	187	71.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 187		µg/kg dry	187	175	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 187		µg/kg dry	187	58.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.4		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230580	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
40B [redacted]22-58	183572.4445.0710	Caulk	05-Dec-12 10:31	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 138		µg/kg dry	138	69.0	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230537	X
11104-28-2	Aroclor-1221	< 138		µg/kg dry	138	124	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 138		µg/kg dry	138	88.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 138		µg/kg dry	138	81.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 138		µg/kg dry	138	67.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,330		µg/kg dry	138	58.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	1,840		µg/kg dry	138	52.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 138		µg/kg dry	138	129	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 138		µg/kg dry	138	43.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	98.4		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230580	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
41A	183572.4445.0710	Caulk	05-Dec-12 10:32	10-Dec-12
SB61522-59				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 178		µg/kg dry	178	89.0	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230537	X
11104-28-2	Aroclor-1221	< 178		µg/kg dry	178	161	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 178		µg/kg dry	178	114	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 178		µg/kg dry	178	105	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 178		µg/kg dry	178	87.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	5,770		µg/kg dry	178	75.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	6,730		µg/kg dry	178	68.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 178		µg/kg dry	178	166	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 178		µg/kg dry	178	55.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.4		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230580	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
42A				
SB61522-60	183572.4445.0710	Caulk	05-Dec-12 14:45	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 154		µg/kg dry	154	76.7	1	SW846 8082A	11-Dec-12	13-Dec-12	IMR	1230537	X
11104-28-2	Aroclor-1221	< 154		µg/kg dry	154	138	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 154		µg/kg dry	154	98.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 154		µg/kg dry	154	90.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 154		µg/kg dry	154	75.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 307	R01	µg/kg dry	307	225	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 307	R01	µg/kg dry	307	118	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 307	R01	µg/kg dry	307	286	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 307	R01	µg/kg dry	307	96.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.1		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230580	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
46B SB61522-61	183572.4445.0710	Caulk	03-Dec-12 10:15	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 197		µg/kg dry	197	98.5	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230537	X
11104-28-2	Aroclor-1221	< 197		µg/kg dry	197	178	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 197		µg/kg dry	197	127	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 197		µg/kg dry	197	116	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 197		µg/kg dry	197	96.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	887		µg/kg dry	197	83.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 197		µg/kg dry	197	75.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 197		µg/kg dry	197	184	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 197		µg/kg dry	197	61.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230580	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
46C SR61522-62	183572.4445.0710	Caulk	03-Dec-12 10:20	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 175		µg/kg dry	175	87.3	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230537	X
11104-28-2	Aroclor-1221	< 175		µg/kg dry	175	157	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 175		µg/kg dry	175	112	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 175		µg/kg dry	175	103	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 175		µg/kg dry	175	85.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	314		µg/kg dry	175	74.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 175		µg/kg dry	175	67.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 175		µg/kg dry	175	163	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 175		µg/kg dry	175	54.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230580	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
50A SB61522-63	183572.4445.0710	Caulk	04-Dec-12 11:00	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 175		µg/kg dry	175	87.6	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230537	X
11104-28-2	Aroclor-1221	< 175		µg/kg dry	175	158	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 175		µg/kg dry	175	113	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 175		µg/kg dry	175	103	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 175		µg/kg dry	175	86.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	719		µg/kg dry	175	74.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	351		µg/kg dry	175	67.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 175		µg/kg dry	175	163	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 175		µg/kg dry	175	55.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230580	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
50B[redacted]	183572.4445.0710	Caulk	04-Dec-12 11:20	10-Dec-12
S[redacted]2-64				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 138		µg/kg dry	138	69.1	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230537	X
11104-28-2	Aroclor-1221	< 138		µg/kg dry	138	125	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 138		µg/kg dry	138	88.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 138		µg/kg dry	138	81.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 138		µg/kg dry	138	67.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	740		µg/kg dry	138	58.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 138		µg/kg dry	138	53.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 138		µg/kg dry	138	129	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 138		µg/kg dry	138	43.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.9		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230580	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
51A SB61522-65	183572.4445.0710	Caulk	03-Dec-12 08:25	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 159		µg/kg dry	159	79.4	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230537	X
11104-28-2	Aroclor-1221	< 159		µg/kg dry	159	143	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 159		µg/kg dry	159	102	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 159		µg/kg dry	159	93.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 159		µg/kg dry	159	78.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 159		µg/kg dry	159	117	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 318	R01	µg/kg dry	318	122	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 318	R01	µg/kg dry	318	296	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 318	R01	µg/kg dry	318	99.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230580	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
51B	183572.4445.0710	Caulk	04-Dec-12 11:10	10-Dec-12
SR61522-66				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 156		µg/kg dry	156	77.9	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230537	X
11104-28-2	Aroclor-1221	< 156		µg/kg dry	156	140	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 156		µg/kg dry	156	100	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 156		µg/kg dry	156	91.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 156		µg/kg dry	156	76.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	507		µg/kg dry	156	66.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 156		µg/kg dry	156	59.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 156		µg/kg dry	156	145	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 156		µg/kg dry	156	48.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230580	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
51C SB61522-67	183572.4445.0710	Caulk	04-Dec-12 13:15	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 190		µg/kg dry	190	94.8	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230537	X
11104-28-2	Aroclor-1221	< 190		µg/kg dry	190	171	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 190		µg/kg dry	190	122	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 190		µg/kg dry	190	112	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 190		µg/kg dry	190	93.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,010		µg/kg dry	190	80.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 190		µg/kg dry	190	72.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 190		µg/kg dry	190	177	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 190		µg/kg dry	190	59.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230580	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
52A [redacted]522-68	183572.4445.0710	Caulk	04-Dec-12 10:20	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 957	R01	µg/kg dry	957	478	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230537	X
11104-28-2	Aroclor-1221	< 957	R01	µg/kg dry	957	862	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 957	R01	µg/kg dry	957	614	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 957	R01	µg/kg dry	957	564	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 957	R01	µg/kg dry	957	470	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 957	R01	µg/kg dry	957	702	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 957	R01	µg/kg dry	957	367	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 957	R01	µg/kg dry	957	891	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 957	R01	µg/kg dry	957	300	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	96.7		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230580	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
54A SB61522-69	183572.4445.0710	Caulk	03-Dec-12 09:50	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 186		µg/kg dry	186	93.0	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230537	X
11104-28-2	Aroclor-1221	< 186		µg/kg dry	186	168	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 186		µg/kg dry	186	119	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 186		µg/kg dry	186	110	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 186		µg/kg dry	186	91.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	186		µg/kg dry	186	78.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 186		µg/kg dry	186	71.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 186		µg/kg dry	186	173	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 186		µg/kg dry	186	58.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.2		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230580	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
54B [illegible]1522-70	183572.4445.0710	Caulk	03-Dec-12 09:57	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 164		µg/kg dry	164	82.0	1	SW846 8082A	11-Dec-12	14-Dec-12	IMR	1230537	X
11104-28-2	Aroclor-1221	< 164		µg/kg dry	164	148	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 164		µg/kg dry	164	105	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 164		µg/kg dry	164	96.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 164		µg/kg dry	164	80.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	320		µg/kg dry	164	69.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 164		µg/kg dry	164	62.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 164		µg/kg dry	164	153	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 164		µg/kg dry	164	51.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.6		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230580	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
54C SB61522-71	183572.4445.0710	Caulk	03-Dec-12 11:18	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.5		µg/kg dry	20.5	10.2	1	SW846 8082A	12-Dec-12	13-Dec-12	IMR	1230628	X
11104-28-2	Aroclor-1221	< 20.5		µg/kg dry	20.5	18.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.5		µg/kg dry	20.5	13.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.5		µg/kg dry	20.5	12.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.5		µg/kg dry	20.5	10.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.5		µg/kg dry	20.5	15.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.5		µg/kg dry	20.5	7.86	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.5		µg/kg dry	20.5	19.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.5		µg/kg dry	20.5	6.44	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.5		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230580	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
S[illegible] [illegible]22-72	183572.4445.0710	Caulk	05-Dec-12 14:09	10-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 19.9		µg/kg dry	19.9	9.96	1	SW846 8082A	12-Dec-12	13-Dec-12	IMR	1230628	X
11104-28-2	Aroclor-1221	< 19.9		µg/kg dry	19.9	18.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.9		µg/kg dry	19.9	12.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 19.9		µg/kg dry	19.9	11.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 19.9		µg/kg dry	19.9	9.78	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	277		µg/kg dry	19.9	14.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	490		µg/kg dry	19.9	7.64	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19.9		µg/kg dry	19.9	18.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 19.9		µg/kg dry	19.9	6.26	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[illegible]	% Solids	99.3		%			1	SM2540 G Mod.	12-Dec-12	12-Dec-12	DT	1230580	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1230493 - SW846 3540C										
Blank (1230493-BLK1)						Prepared: 11-Dec-12 Analyzed: 12-Dec-12				
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
LCS (1230493-BS1)						Prepared: 11-Dec-12 Analyzed: 12-Dec-12				
Aroclor-1016	**213**		µg/kg wet	20.0	250		85	40-140		
Aroclor-1016 [2C]	**235**		µg/kg wet	20.0	250		94	40-140		
Aroclor-1260	**182**		µg/kg wet	20.0	250		73	40-140		
Aroclor-1260 [2C]	**186**		µg/kg wet	20.0	250		74	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
LCS (1230493-BS2)						Prepared: 11-Dec-12 Analyzed: 12-Dec-12				
Aroclor-1268	**957**		µg/kg wet	20.0	1000		96	40-140		
Aroclor-1268 [2C]	**887**		µg/kg wet	20.0	1000		89	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*134*	DC7	µg/kg wet		*20.0*		*670*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*177*	DC7	µg/kg wet		*20.0*		*885*	*30-150*		
LCS Dup (1230493-BSD1)						Prepared: 11-Dec-12 Analyzed: 12-Dec-12				
Aroclor-1016	**213**		µg/kg wet	20.0	250		85	40-140	0	30
Aroclor-1016 [2C]	**232**		µg/kg wet	20.0	250		93	40-140	1	30
Aroclor-1260	**180**		µg/kg wet	20.0	250		72	40-140	1	30
Aroclor-1260 [2C]	**177**		µg/kg wet	20.0	250		71	40-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
LCS Dup (1230493-BSD2)						Prepared: 11-Dec-12 Analyzed: 12-Dec-12				
Aroclor-1268	**961**		µg/kg wet	20.0	1000		96	40-140	0.4	30
Aroclor-1268 [2C]	**925**		µg/kg wet	20.0	1000		92	40-140	4	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1230493 - SW846 3540C										
LCS Dup (1230493-BSD2)					Prepared: 11-Dec-12 Analyzed: 12-Dec-12					
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*132*	DC7	µg/kg wet		*20.0*		*660*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*181*	DC7	µg/kg wet		*20.0*		*905*	*30-150*		
Duplicate (1230493-DUP1)			Source: SB61522-02		Prepared: 11-Dec-12 Analyzed: 14-Dec-12					
Aroclor-1016	< 198		µg/kg dry	198		BRL				30
Aroclor-1016 [2C]	< 198		µg/kg dry	198		BRL				30
Aroclor-1221	< 198		µg/kg dry	198		BRL				30
Aroclor-1221 [2C]	< 198		µg/kg dry	198		BRL				30
Aroclor-1232	< 198		µg/kg dry	198		BRL				30
Aroclor-1232 [2C]	< 198		µg/kg dry	198		BRL				30
Aroclor-1242	< 198		µg/kg dry	198		BRL				30
Aroclor-1242 [2C]	< 198		µg/kg dry	198		BRL				30
Aroclor-1248	< 198		µg/kg dry	198		BRL				30
Aroclor-1248 [2C]	< 198		µg/kg dry	198		BRL				30
Aroclor-1254	**524**		µg/kg dry	198		403			26	30
Aroclor-1254 [2C]	**534**		µg/kg dry	198		430			22	30
Aroclor-1260	**1500**		µg/kg dry	198		1240			19	30
Aroclor-1260 [2C]	**1420**		µg/kg dry	198		1200			17	30
Aroclor-1262	< 198		µg/kg dry	198		BRL				30
Aroclor-1262 [2C]	< 198		µg/kg dry	198		BRL				30
Aroclor-1268	< 198		µg/kg dry	198		BRL				30
Aroclor-1268 [2C]	< 198		µg/kg dry	198		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*188*		µg/kg dry		*198*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*208*		µg/kg dry		*198*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*188*		µg/kg dry		*198*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*218*		µg/kg dry		*198*		*110*	*30-150*		
Matrix Spike (1230493-MS1)			Source: SB61522-02		Prepared: 11-Dec-12 Analyzed: 14-Dec-12					
Aroclor-1016	**1790**		µg/kg dry	182	2280	BRL	79	40-140		
Aroclor-1016 [2C]	**2110**		µg/kg dry	182	2280	BRL	93	40-140		
Aroclor-1260	**2940**		µg/kg dry	182	2280	1240	75	40-140		
Aroclor-1260 [2C]	**3070**		µg/kg dry	182	2280	1200	82	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*237*		µg/kg dry		*182*		*130*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*191*		µg/kg dry		*182*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*155*		µg/kg dry		*182*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*209*		µg/kg dry		*182*		*115*	*30-150*		
Matrix Spike Dup (1230493-MSD1)			Source: SB61522-02		Prepared: 11-Dec-12 Analyzed: 14-Dec-12					
Aroclor-1016	**1930**		µg/kg dry	158	1970	BRL	98	40-140	22	30
Aroclor-1016 [2C]	**2290**		µg/kg dry	158	1970	BRL	116	40-140	22	30
Aroclor-1260	**3090**		µg/kg dry	158	1970	1240	93	40-140	22	30
Aroclor-1260 [2C]	**3270**		µg/kg dry	158	1970	1200	105	40-140	24	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*205*		µg/kg dry		*158*		*130*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*221*		µg/kg dry		*158*		*140*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*166*		µg/kg dry		*158*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*166*		µg/kg dry		*158*		*105*	*30-150*		
Batch 1230535 - SW846 3540C										
Blank (1230535-BLK1)					Prepared: 11-Dec-12 Analyzed: 14-Dec-12					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1230535 - SW846 3540C										
Blank (1230535-BLK1)					Prepared: 11-Dec-12 Analyzed: 14-Dec-12					
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS (1230535-BS1)					Prepared: 11-Dec-12 Analyzed: 14-Dec-12					
Aroclor-1016	**231**		µg/kg wet	20.0	250		92	40-140		
Aroclor-1016 [2C]	**259**		µg/kg wet	20.0	250		104	40-140		
Aroclor-1260	**210**		µg/kg wet	20.0	250		84	40-140		
Aroclor-1260 [2C]	**190**		µg/kg wet	20.0	250		76	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.0*		µg/kg wet		*20.0*		*125*	*30-150*		
LCS Dup (1230535-BSD1)					Prepared: 11-Dec-12 Analyzed: 14-Dec-12					
Aroclor-1016	**232**		µg/kg wet	20.0	250		93	40-140	0.4	30
Aroclor-1016 [2C]	**261**		µg/kg wet	20.0	250		104	40-140	0.8	30
Aroclor-1260	**216**		µg/kg wet	20.0	250		86	40-140	3	30
Aroclor-1260 [2C]	**194**		µg/kg wet	20.0	250		78	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.0*		µg/kg wet		*20.0*		*125*	*30-150*		
Duplicate (1230535-DUP1)			**Source: SB61522-13**		Prepared: 11-Dec-12 Analyzed: 14-Dec-12					
Aroclor-1016	< 164		µg/kg dry	164		BRL				30
Aroclor-1016 [2C]	< 164		µg/kg dry	164		BRL				30
Aroclor-1221	< 164		µg/kg dry	164		BRL				30
Aroclor-1221 [2C]	< 164		µg/kg dry	164		BRL				30
Aroclor-1232	< 164		µg/kg dry	164		BRL				30
Aroclor-1232 [2C]	< 164		µg/kg dry	164		BRL				30
Aroclor-1242	**991**		µg/kg dry	164		818			19	30
Aroclor-1242 [2C]	**1070**		µg/kg dry	164		968			10	30
Aroclor-1248	< 164		µg/kg dry	164		BRL				30
Aroclor-1248 [2C]	< 164		µg/kg dry	164		BRL				30
Aroclor-1254	**516**		µg/kg dry	164		448			14	30
Aroclor-1254 [2C]	**491**		µg/kg dry	164		433			13	30

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Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1230535 - SW846 3540C										
Duplicate (1230535-DUP1)			Source: SB61522-13		Prepared: 11-Dec-12 Analyzed: 14-Dec-12					
Aroclor-1260	**147**	J,QR4	µg/kg dry	164		94.4			44	30
Aroclor-1260 [2C]	**123**	J	µg/kg dry	164		BRL				30
Aroclor-1262	< 164		µg/kg dry	164		BRL				30
Aroclor-1262 [2C]	< 164		µg/kg dry	164		BRL				30
Aroclor-1268	< 164		µg/kg dry	164		BRL				30
Aroclor-1268 [2C]	< 164		µg/kg dry	164		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*172*		µg/kg dry		*164*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*172*		µg/kg dry		*164*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*172*		µg/kg dry		*164*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*172*		µg/kg dry		*164*		*105*	*30-150*		
Matrix Spike (1230535-MS1)			Source: SB61522-13		Prepared: 11-Dec-12 Analyzed: 14-Dec-12					
Aroclor-1016	**2880**		µg/kg dry	168	2100	BRL	137	40-140		
Aroclor-1016 [2C]	**3290**	QM5	µg/kg dry	168	2100	BRL	157	40-140		
Aroclor-1260	**2150**		µg/kg dry	168	2100	94.4	98	40-140		
Aroclor-1260 [2C]	**1740**		µg/kg dry	168	2100	BRL	83	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*227*		µg/kg dry		*168*		*135*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*202*		µg/kg dry		*168*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*210*		µg/kg dry		*168*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*227*		µg/kg dry		*168*		*135*	*30-150*		
Matrix Spike Dup (1230535-MSD1)			Source: SB61522-13		Prepared: 11-Dec-12 Analyzed: 14-Dec-12					
Aroclor-1016	**2400**	QM5	µg/kg dry	133	1670	BRL	144	40-140	5	30
Aroclor-1016 [2C]	**2690**	QM5	µg/kg dry	133	1670	BRL	162	40-140	3	30
Aroclor-1260	**1610**		µg/kg dry	133	1670	94.4	91	40-140	8	30
Aroclor-1260 [2C]	**1350**		µg/kg dry	133	1670	BRL	81	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*173*		µg/kg dry		*133*		*130*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*153*		µg/kg dry		*133*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*153*		µg/kg dry		*133*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*173*		µg/kg dry		*133*		*130*	*30-150*		
Batch 1230536 - SW846 3540C										
Blank (1230536-BLK1)					Prepared: 11-Dec-12 Analyzed: 14-Dec-12					
Aroclor-1016	< 200		µg/kg wet	200						
Aroclor-1016 [2C]	< 200		µg/kg wet	200						
Aroclor-1221	< 200		µg/kg wet	200						
Aroclor-1221 [2C]	< 200		µg/kg wet	200						
Aroclor-1232	< 200		µg/kg wet	200						
Aroclor-1232 [2C]	< 200		µg/kg wet	200						
Aroclor-1242	< 200		µg/kg wet	200						
Aroclor-1242 [2C]	< 200		µg/kg wet	200						
Aroclor-1248	< 200		µg/kg wet	200						
Aroclor-1248 [2C]	< 200		µg/kg wet	200						
Aroclor-1254	< 200		µg/kg wet	200						
Aroclor-1254 [2C]	< 200		µg/kg wet	200						
Aroclor-1260	< 200		µg/kg wet	200						
Aroclor-1260 [2C]	< 200		µg/kg wet	200						
Aroclor-1262	< 200		µg/kg wet	200						
Aroclor-1262 [2C]	< 200		µg/kg wet	200						
Aroclor-1268	< 200		µg/kg wet	200						
Aroclor-1268 [2C]	< 200		µg/kg wet	200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*200*		µg/kg wet		*200*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*230*		µg/kg wet		*200*		*115*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1230536 - SW846 3540C										
Blank (1230536-BLK1)					Prepared: 11-Dec-12 Analyzed: 14-Dec-12					
Surrogate: Decachlorobiphenyl (Sr)	*180*		µg/kg wet		*200*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*210*		µg/kg wet		*200*		*105*	*30-150*		
LCS (1230536-BS1)					Prepared: 11-Dec-12 Analyzed: 14-Dec-12					
Aroclor-1016	**2330**		µg/kg wet	200	2500		93	40-140		
Aroclor-1016 [2C]	**2520**		µg/kg wet	200	2500		101	40-140		
Aroclor-1260	**2230**		µg/kg wet	200	2500		89	40-140		
Aroclor-1260 [2C]	**1820**		µg/kg wet	200	2500		73	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*220*		µg/kg wet		*200*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*230*		µg/kg wet		*200*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*190*		µg/kg wet		*200*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*220*		µg/kg wet		*200*		*110*	*30-150*		
LCS Dup (1230536-BSD1)					Prepared: 11-Dec-12 Analyzed: 14-Dec-12					
Aroclor-1016	**2430**		µg/kg wet	200	2500		97	40-140	4	30
Aroclor-1016 [2C]	**2520**		µg/kg wet	200	2500		101	40-140	0	30
Aroclor-1260	**2040**		µg/kg wet	200	2500		82	40-140	9	30
Aroclor-1260 [2C]	**1840**		µg/kg wet	200	2500		74	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*220*		µg/kg wet		*200*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*220*		µg/kg wet		*200*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*200*		µg/kg wet		*200*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*240*		µg/kg wet		*200*		*120*	*30-150*		
Duplicate (1230536-DUP1)			Source: SB61522-38		Prepared: 11-Dec-12 Analyzed: 14-Dec-12					
Aroclor-1016	< 166		µg/kg dry	166		BRL				30
Aroclor-1016 [2C]	< 166		µg/kg dry	166		BRL				30
Aroclor-1221	< 166		µg/kg dry	166		BRL				30
Aroclor-1221 [2C]	< 166		µg/kg dry	166		BRL				30
Aroclor-1232	< 166		µg/kg dry	166		BRL				30
Aroclor-1232 [2C]	< 166		µg/kg dry	166		BRL				30
Aroclor-1242	< 166		µg/kg dry	166		BRL				30
Aroclor-1242 [2C]	< 166		µg/kg dry	166		BRL				30
Aroclor-1248	< 166		µg/kg dry	166		BRL				30
Aroclor-1248 [2C]	< 166		µg/kg dry	166		BRL				30
Aroclor-1254	**215**		µg/kg dry	166		289			29	30
Aroclor-1254 [2C]	**174**	QM4	µg/kg dry	166		244			34	30
Aroclor-1260	**596**		µg/kg dry	166		641			7	30
Aroclor-1260 [2C]	**513**		µg/kg dry	166		551			7	30
Aroclor-1262	< 166		µg/kg dry	166		BRL				30
Aroclor-1262 [2C]	< 166		µg/kg dry	166		BRL				30
Aroclor-1268	< 166		µg/kg dry	166		BRL				30
Aroclor-1268 [2C]	< 166		µg/kg dry	166		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*157*		µg/kg dry		*166*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*157*		µg/kg dry		*166*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*141*		µg/kg dry		*166*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*149*		µg/kg dry		*166*		*90*	*30-150*		
Matrix Spike (1230536-MS1)			Source: SB61522-38		Prepared: 11-Dec-12 Analyzed: 14-Dec-12					
Aroclor-1016	**2430**		µg/kg dry	176	2200	BRL	110	40-140		
Aroclor-1016 [2C]	**2460**		µg/kg dry	176	2200	BRL	112	40-140		
Aroclor-1260	**3130**		µg/kg dry	176	2200	641	113	40-140		
Aroclor-1260 [2C]	**2530**		µg/kg dry	176	2200	551	90	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*220*		µg/kg dry		*176*		*125*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*211*		µg/kg dry		*176*		*120*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1230536 - SW846 3540C										
Matrix Spike (1230536-MS1)			**Source: SB61522-38**		Prepared: 11-Dec-12		Analyzed: 14-Dec-12			
Surrogate: Decachlorobiphenyl (Sr)	*194*		µg/kg dry		*176*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*220*		µg/kg dry		*176*		*125*	*30-150*		
Matrix Spike Dup (1230536-MSD1)			**Source: SB61522-38**		Prepared: 11-Dec-12		Analyzed: 14-Dec-12			
Aroclor-1016	**2730**		µg/kg dry	209	2610	BRL	105	40-140	5	30
Aroclor-1016 [2C]	**3050**		µg/kg dry	209	2610	BRL	117	40-140	4	30
Aroclor-1260	**2840**		µg/kg dry	209	2610	641	84	40-140	29	30
Aroclor-1260 [2C]	**2680**		µg/kg dry	209	2610	551	82	40-140	9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*240*		µg/kg dry		*209*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*250*		µg/kg dry		*209*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*219*		µg/kg dry		*209*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*261*		µg/kg dry		*209*		*125*	*30-150*		
Batch 1230537 - SW846 3540C										
Blank (1230537-BLK1)					Prepared: 11-Dec-12		Analyzed: 13-Dec-12			
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
LCS (1230537-BS1)					Prepared: 11-Dec-12		Analyzed: 13-Dec-12			
Aroclor-1016	**224**		µg/kg wet	20.0	250		90	40-140		
Aroclor-1016 [2C]	**245**		µg/kg wet	20.0	250		98	40-140		
Aroclor-1260	**203**		µg/kg wet	20.0	250		81	40-140		
Aroclor-1260 [2C]	**185**		µg/kg wet	20.0	250		74	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
LCS Dup (1230537-BSD1)					Prepared: 11-Dec-12		Analyzed: 13-Dec-12			
Aroclor-1016	**223**		µg/kg wet	20.0	250		89	40-140	0.4	30
Aroclor-1016 [2C]	**246**		µg/kg wet	20.0	250		98	40-140	0.4	30
Aroclor-1260	**195**		µg/kg wet	20.0	250		78	40-140	4	30
Aroclor-1260 [2C]	**181**		µg/kg wet	20.0	250		72	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1230537 - SW846 3540C										
LCS Dup (1230537-BSD1)					Prepared: 11-Dec-12 Analyzed: 13-Dec-12					
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
Duplicate (1230537-DUP1)			Source: SB61522-54		Prepared: 11-Dec-12 Analyzed: 13-Dec-12					
Aroclor-1016	< 889	R01	µg/kg dry	889		BRL				30
Aroclor-1016 [2C]	< 889	R01	µg/kg dry	889		BRL				30
Aroclor-1221	< 889	R01	µg/kg dry	889		BRL				30
Aroclor-1221 [2C]	< 889	R01	µg/kg dry	889		BRL				30
Aroclor-1232	< 889	R01	µg/kg dry	889		BRL				30
Aroclor-1232 [2C]	< 889	R01	µg/kg dry	889		BRL				30
Aroclor-1242	< 889	R01	µg/kg dry	889		BRL				30
Aroclor-1242 [2C]	< 889	R01	µg/kg dry	889		BRL				30
Aroclor-1248	< 889	R01	µg/kg dry	889		BRL				30
Aroclor-1248 [2C]	< 889	R01	µg/kg dry	889		BRL				30
Aroclor-1254	**551**	QM4	µg/kg dry	178		810			38	30
Aroclor-1254 [2C]	**578**		µg/kg dry	178		764			28	30
Aroclor-1260	**107**	J	µg/kg dry	178		130			20	30
Aroclor-1260 [2C]	**80.0**	J	µg/kg dry	178		93.2			15	30
Aroclor-1262	< 178		µg/kg dry	178		BRL				30
Aroclor-1262 [2C]	< 178		µg/kg dry	178		BRL				30
Aroclor-1268	< 178		µg/kg dry	178		BRL				30
Aroclor-1268 [2C]	< 178		µg/kg dry	178		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*187*		µg/kg dry		*178*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*196*		µg/kg dry		*178*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*169*		µg/kg dry		*178*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*178*		µg/kg dry		*178*		*100*	*30-150*		
Matrix Spike (1230537-MS1)			Source: SB61522-60		Prepared: 11-Dec-12 Analyzed: 13-Dec-12					
Aroclor-1016	**1670**		µg/kg dry	135	1690	BRL	99	40-140		
Aroclor-1016 [2C]	**1700**		µg/kg dry	135	1690	BRL	101	40-140		
Aroclor-1260	**1480**		µg/kg dry	135	1690	BRL	88	40-140		
Aroclor-1260 [2C]	**1260**		µg/kg dry	135	1690	BRL	75	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*162*		µg/kg dry		*135*		*120*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*162*		µg/kg dry		*135*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*135*		µg/kg dry		*135*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*155*		µg/kg dry		*135*		*115*	*30-150*		
Matrix Spike Dup (1230537-MSD1)			Source: SB61522-60		Prepared: 11-Dec-12 Analyzed: 13-Dec-12					
Aroclor-1016	**2080**		µg/kg dry	161	2020	BRL	103	40-140	4	30
Aroclor-1016 [2C]	**2160**		µg/kg dry	161	2020	BRL	107	40-140	6	30
Aroclor-1260	**1840**		µg/kg dry	161	2020	BRL	91	40-140	4	30
Aroclor-1260 [2C]	**1670**		µg/kg dry	161	2020	BRL	83	40-140	10	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*218*		µg/kg dry		*161*		*135*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*210*		µg/kg dry		*161*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*178*		µg/kg dry		*161*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*202*		µg/kg dry		*161*		*125*	*30-150*		
Batch 1230628 - SW846 3540C										
Blank (1230628-BLK1)					Prepared: 12-Dec-12 Analyzed: 13-Dec-12					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1230628 - SW846 3540C										
Blank (1230628-BLK1)					Prepared: 12-Dec-12 Analyzed: 13-Dec-12					
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*26.0*		µg/kg wet		*20.0*		*130*	*30-150*		
LCS (1230628-BS1)					Prepared: 12-Dec-12 Analyzed: 13-Dec-12					
Aroclor-1016	**219**		µg/kg wet	20.0	250		88	40-140		
Aroclor-1016 [2C]	**237**		µg/kg wet	20.0	250		95	40-140		
Aroclor-1260	**203**		µg/kg wet	20.0	250		81	40-140		
Aroclor-1260 [2C]	**172**		µg/kg wet	20.0	250		69	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
LCS Dup (1230628-BSD1)					Prepared: 12-Dec-12 Analyzed: 13-Dec-12					
Aroclor-1016	**227**		µg/kg wet	20.0	250		91	40-140	4	30
Aroclor-1016 [2C]	**239**		µg/kg wet	20.0	250		96	40-140	0.8	30
Aroclor-1260	**206**		µg/kg wet	20.0	250		82	40-140	1	30
Aroclor-1260 [2C]	**175**		µg/kg wet	20.0	250		70	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.0*		µg/kg wet		*20.0*		*125*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1230578 - General Preparation										
Duplicate (1230578-DUP1)			Source: SB61522-17			Prepared & Analyzed: 12-Dec-12				
% Solids	96.9		%			96.6			0.3	20
Batch 1230579 - General Preparation										
Duplicate (1230579-DUP1)			Source: SB61522-37			Prepared & Analyzed: 12-Dec-12				
% Solids	99.1		%			98.9			0.2	20

Notes and Definitions

D	Data reported from a dilution
DC7	The recovery of surrogate Decachlorobiphenyl was outside of the acceptance limits due to interference from a co-eluting Aroclor-1268 peak. The recovery of surrogate 4,4-DB-Octafluorobiphenyl is within acceptance limits.
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QM4	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
QM5	The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QR4	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
R01	The Reporting Limit has been raised to account for matrix interference.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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

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

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

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

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

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

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

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

Validated by:
June O'Connor
Kimberly Wisk
Nicole Leja

Utilize DAS Rates

BB 61522

Edition: September 2007
Supersede Previous Edition

TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME	PARAMETERS	CONTAINERS	TURNAROUND TIME
183572.4445.0710	ConnDOT-Murphy Terminal, BIA			X Standard TAT 7-10 Days; Rush TAT; Date Needed:
SIGNATURE	INSPECTOR: G.Kaczynski/Tom Martin			

Lab ID:	SAMPLE ID:	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1=Caulk/glaze)	Preservative	NOTES
61522- 01	1A	12/4/12	0757		X	MT – ground fl, PCA	X		1	X1	N/A	C1 – hard brittle light brown caulk
02	1B	12/4/12	0804		X	MT – ground fl, PCA	X		1	X1	N/A	C1 – hard brittle light brown caulk
03	2A	12/4/12	0810		X	MT – bsmt, room 155	X		1	X1	N/A	C2 – old tan pliable caulk (ext. side of structure)
04	2B	12/4/12	0944		X	MT – ground fl, room 67	X		1	X1	N/A	C2 – old tan pliable caulk (ext. side of structure)
05	2C	12/4/12	1135		X	MT – 1st fl, room 35	X		1	X1	N/A	C2 – old tan pliable caulk (ext. side of structure)
06	3A	12/4/12	0821		X	MT – bsmt, room 154	X		1	X1	N/A	C3 – grey flexible caulk
07	3B	12/4/12	1000		X	MT – ground fl, Hall G	X		1	X1	N/A	C3 – grey flexible caulk
08	3C	12/4/12	1100		X	MT – ground fl, room 10	X		1	X1	N/A	C3 – grey flexible caulk
09	4A	12/4/12	1010		X	MT – ground fl, room 12	X		1	X1	N/A	C4 – white flexible caulk
10	4B	12/4/12	1005		X	MT – ground fl, room 12	X		1	X1	N/A	C4 – white flexible caulk

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	12/7/12			12-10-12	
(Printed) Gregory Kaczynski	Time: 1600	(Printed) Leon Bishop	(Printed) Leon Bishop	Time: 17:15	(Printed)

Condition upon Receipt:

Remarks: Standard QA/QC Reporting Level
Report to: Henry Laliberte (hlaliberte@trcsolutions.com) (860) 298-6266
Include CT DPH RCP Report

28

TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

CHAIN OF CUSTODY

Edition: September 2007
Supersede Previous Edition

LAB ID #: 861522

PROJECT NUMBER	PROJECT NAME	PARAMETERS	CONTAINERS	TURNAROUND TIME
183572.4445.0710	ConnDOT-Murphy Terminal, BIA			X Standard TAT 7-10 Days; Rush TAT; Date Needed:
SIGNATURE	INSPECTOR: G.Kaczynski/Tom Martin			

Lab ID: 61522-	SAMPLE ID:	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1=Caulk/glaze)	Preservative	NOTES
11	7A	11/30/12	1436		X	MT – 1st fl, doorway near IAB	X		1	X1	N/A	C7 – slight flexible light brown caulk
12	8A	12/4/12	1140		X	MT – 1st fl, room 39	X		1	X1	N/A	C8 – tan/grey interior, hard exterior caulk
13	8B	12/4/12	1200		X	MT – 1st fl, room 39	X		1	X1	N/A	C8 – tan/grey interior, hard exterior caulk
14	28A	12/4/12	1350		X	MT – 1st fl, hall o/s room 30C	X		1	X1	N/A	C8(C27) – tan/grey interior, hard exterior caulk
15	9A	12/4/12	1336		X	MT – 1st fl, hall o/s room 30C	X		1	X1	N/A	C9 – semi-pliable, sticky caulk(ext side of window)
16	9B	12/4/12	1355		X	MT – 1st fl, hall o/s room 30C	X		1	X1	N/A	C9 – semi-pliable, sticky caulk(ext side of window)
17	11A	11/30/12	1352		X	MT – 1st fl, south dr, PCC ent	X		1	X1	N/A	C11 – sticky, flexible dark brown caulk
18	11B	11/30/12	1355		X	MT – 1st fl, south dr, PCC ent	X		1	X1	N/A	C11 – sticky, flexible dark brown caulk
19	12A	12/4/12	0837		X	MT – bsmt, rm 149 corridor	X		1	X1	N/A	C12 – tan, hard pliable putty caulk
20	12B	12/4/12	0830		X	MT – bsmt, rm 149 corridor	X		1	X1	N/A	C12 – tan, hard pliable putty caulk

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	12/7/12			12-10-12	
(Printed) Gregory Kaczynski	Time: 1600	(Printed) Leon Bishop	(Printed) Leon Bishop	Time: 1715	(Printed)

Remarks: Standard QA/QC Reporting Level
Report to: Henry Laliberte (hlaliberte@trcsolutions.com) (860) 298-6266
Include CT DPH RCP Report

Condition upon Receipt:

8661572

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TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME	PARAMETERS	CONTAINERS	TURNAROUND TIME
183572.4445.0710	ConnDOT-Murphy Terminal, BIA			X Standard TAT 7-10 Days; Rush TAT; Date Needed:
SIGNATURE	INSPECTOR: G.Kaczynski/Tom Martin			

Lab ID: 61522-	SAMPLE ID:	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1=Caulk/glaze)	Preservative	NOTES
21	12C	12/4/12	0835		X	MT – bsmt, rm 149 corridor	X		1	X1	N/A	C12 – tan, hard pliable putty caulk
22	13A	12/5/12	1106		X	MT – Control tower, ext side D	X		1	X1	N/A	C13 – white, hard semi-pliable caulk
23	13B	12/5/12	1135		X	MT – Control tower, ext side	X		1	X1	N/A	C13 – white, hard semi-pliable caulk
24	14A	12/5/12	1114		X	MT – Control tower, ext side	X		1	X1	N/A	C14 – dark brown flexible caulk
25	14B	12/5/12	1110		X	MT – Control tower, ext side	X		1	X1	N/A	C14 – dark brown flexible caulk
26	15A	12/5/12	1425		X	MT – 4th fl, mech rm	X		1	X1	N/A	C15 – tan putty-like caulk w/ noticeable odor
27	15B	12/5/12	1040		X	MT – Penthouse strwl	X		1	X1	N/A	C15 – tan putty-like caulk w/ noticeable odor
28	16A	12/3/12	0901		X	MT – ground fl, exterior, rm 10	X		1	X1	N/A	C15 – tan putty-like caulk w/ noticeable odor
29	16B	12/3/12	0906		X	MT – ground fl, exterior, o/s room 12	X		1	X1	N/A	C16 – grey flexible tacky caulk
30	16C	12/3/12	0911		X	MT – ground fl, exterior, o/s hall G area	X		1	X1	N/A	C16 – grey flexible tacky caulk

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	12/7/12			12/10/12	
(Printed) Gregory Kaczynski	Time: 1600	(Printed) LEON BISHOP	(Printed) LEON BISHOP	Time: 1715	(Printed)

Remarks: Standard QA/QC Reporting Level
Report to: Henry Laliberte (hlaliberte@trcsolutions.com) (860) 298-6266
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CHAIN OF CUSTODY

LAB ID #. 861522

PROJECT NUMBER	PROJECT NAME	PARAMETERS	CONTAINERS	TURNAROUND TIME
183572.4445.0710	ConnDOT-Murphy Terminal, BIA			X Standard TAT 7-10 Days
SIGNATURE	INSPECTOR			Rush TAT / Date Needed:
	G.Kaczynski/Tom Martin			

Lab ID: 61522	SAMPLE ID:	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1=Caulk/glaze)	Preservative	NOTES
31	17A	12/3/12	1028		X	MT – ground fl, exterior, rm 3B area	X		1	X1	N/A	C16 – grey flexible tacky caulk
32	18A	12/3/12	1128		X	MT – ground fl, exterior, hall G door	X		1	X1	N/A	C18 – beige flexible caulk
33	18B	12/3/12	1138		X	MT – ground fl, exterior, rm 67	X		1	X1	N/A	C18 – beige flexible caulk
34	18C	12/3/12	1146		X	MT – ground fl, exterior, hall G door	X		1	X1	N/A	C18 – beige flexible caulk
35	56A	12/4/12	1442		X	MT – 1st fl, exterior, side A	X		1	X1	N/A	C22B – beige tacky flexible caulk
36	56B	12/5/12	0831		X	MT – 1st fl, exterior, side A	X		1	X1	N/A	C22B – beige tacky flexible caulk
37	56C	12/5/12	0825		X	MT – 1st fl, exterior, side A (south)	X		1	X1	N/A	C22B – beige tacky flexible caulk
38	29A	12/5/12	1135		X	MT – west roof o/s penthouse	X		1	X1	N/A	C28 – grey brittle caulk on top of parrapet
39	29B	12/5/12	1156		X	MT – 3rd fl roof	X		1	X1	N/A	C28 – grey brittle caulk on top of parrapet
40	30A	12/5/12	1404		X	MT – 3rd fl roof, A side parapet	X		1	X1	N/A	C29 – stretchy flexible grey-brown caulk

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	12/7/12	L. Bishop	L. Bishop	12/07/12	Janyck
(Printed) Gregory Kaczynski	Time: 1600	(Printed) LEON BISHOP	(Printed) L. BISHOP	Time: 1715	(Printed)

Remarks: Standard QA/QC Reporting Level
Report to: Henry Laliberte (hlaliberte@trcsolutions.com) (860) 298-6266
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2-8

SB61522

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FAX (860) 298-6380

CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME	PARAMETERS	CONTAINERS	TURNAROUND TIME
183572.4445.0710	ConnDOT-Murphy Terminal, BIA			X Standard TAT 7-10 Days; Rush TAT; Date Needed:
SIGNATURE	INSPECTOR: G.Kaczynski/Tom Martin			

Lab ID: 61522-	SAMPLE ID:	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1=Caulk/glaze)	Preservative	NOTES
41	30B	12/5/12	1409		X	MT – 3rd fl roof, A side parapet	X		1	X1	N/A	C29 – stretchy flexible grey-brown caulk
42	30C	12/5/12	1420		X	MT – 3rd fl roof, A/B side parapet	X		1	X1	N/A	C29 – stretchy flexible grey-brown caulk
43	57A	12/4/12	1446		X	MT – 1st fl, exterior, A side	X		1	X1	N/A	C34 – dark brown tacky flexible caulk
44	57B	12/5/12	0846		X	MT – 1st fl, exterior, A side	X		1	X1	N/A	C34 – dark brown tacky flexible caulk
45	58A	12/5/12	1320		X	MT – 3rd fl roof	X		1	X1	N/A	C35 – tan brittle caulk in parapet joint
46	58B	12/5/12	1330		X	MT – 3rd fl roof	X		1	X1	N/A	C35 – tan brittle caulk in parapet joint
47	58C	12/5/12	1341		X	MT – 3rd fl roof	X		1	X1	N/A	C35 – tan brittle caulk in parapet joint
48	35A	12/4/12	0850		X	MT – basement room 157	X		1	X1	N/A	WG1 – black putty interior window glaze
49	35B	12/4/12	0942		X	MT – basement room 157	X		1	X1	N/A	WG1 – black putty interior window glaze
50	55A	12/4/12	0901		X	MT – ground fl, PCA	X		1	X1	N/A	WG1A – grey putty interior glaze
51	55B	12/4/12	0855		X	MT – ground fl, PCA	X		1	X1	N/A	WG1A – grey putty interior glaze

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	12/7/12			12-10-12	
(Printed) Gregory Kaczynski	Time: 1600	(Printed) Leon Bishop	(Printed) L. Bishop	Time: 1715	(Printed)

Remarks: Standard QA/QC Reporting Level
Report to: Henry Laliberte (hlaliberte@trcsolutions.com) (860) 298-6266
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CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME	PARAMETERS	CONTAINERS	TURNAROUND TIME
183572.4445.0710	ConnDOT-Murphy Terminal, BIA			X Standard TAT 7-10 Days
				Rush TAT / Date Needed:
SIGNATURE	INSPECTOR G.Kaczynski/Tom Martin			

Lab ID: 6522	SAMPLE ID:	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1=Caulk/glaze)	Preservative	NOTES
51	36A	12/4/12	1145		X	MT – 1st fl, hall o/s rm 35	X		1	X1	N/A	WG2 – hard grey glaze on int. double pane metal windows
52	36B	12/4/12	1320		X	MT – 1st fl, interior, rm 20	X		1	X1	N/A	WG2 – hard grey glaze on int. double pane metal windows
53	37A	12/4/12	1422		X	MT – 1st fl, interior, AA ticket area	X		1	X1	N/A	WG3 – hard tan window glaze on 5'x7' metal frame windows
54	37B	12/4/12	1426		X	MT – 1st fl, interior, AA ticket area	X		1	X1	N/A	WG3 – hard tan window glaze on 5'x7' metal frame windows
55	38B	12/4/12	1430		X	MT – 1st fl, Wicked Gd Subs area	X		1	X1	N/A	WG4 – flexible grey glaze on 5'x7' metal windows
56	40A	12/5/12	1021		X	MT – Control tower	X		1	X1	N/A	WG6 – black putty glaze on 7'x10' metal frame windows
57	40B	12/5/12	1031		X	MT – Control tower	X		1	X1	N/A	WG6 – black putty glaze on 7'x10' metal frame windows
58	41A	12/5/12	1032		X	MT – Control tower	X		1	X1	N/A	WG7 – grey putty glaze on 7'x10' metal frame windows

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	12/7/12			12-10-12	
(Printed) Gregory Kaczynski	Time: 1600	(Printed) Leon Bishop	(Printed) L. Bishop	Time: 1715	(Printed)

Remarks: Standard QA/QC Reporting Level
Report to: Henry Laliberte (hlaliberte@trcsolutions.com) (860) 298-6266
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CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME	PARAMETERS	CONTAINERS	TURNAROUND TIME
183572.4445.0710	ConnDOT-Murphy Terminal, BIA			X Standard TAT 7-10 Days; Rush TAT; Date Needed:
SIGNATURE	INSPECTOR: G.Kaczynski/Tom Martin			

Lab ID:	SAMPLE ID:	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (XI=Caulk/glaze)	Preservative	NOTES
61522-												
59	42A	12/5/12	1445		X	MT – 4th fl bathroom	X		1	X1	N/A	WG8 – hard white window glaze patch
60	46B	12/3/12	1015		X	MT – ground fl, exterior, rm 3B	X		1	X1	N/A	WG12 – black putty window glaze
61	46C	12/3/12	1020		X	MT – ground fl, exterior, rm 3B	X		1	X1	N/A	WG12 – black putty window glaze
63	50A	12/4/12	1100		X	MT – ground fl, strwl S2	X		1	X1	N/A	DWG1 – black putty door window glaze
64	50B	12/4/12	1120		X	MT – ground fl, PCA	X		1	X1	N/A	DWG1 – black putty door window glaze
65	51A	12/3/12	0825		X	MT – ground fl, rm 3C	X		1	X1	N/A	DWG4 – grey putty door window glaze
66	51B	12/4/12	1110		X	MT – ground fl, int BAD2	X		1	X1	N/A	DWG4 – grey putty door window glaze
67	51C	12/4/12	1315		X	MT – 1st fl, room 36	X		1	X1	N/A	DWG4 – grey putty door window glaze
68	52A	12/4/12	1020		X	MT – ground fl, int, room 12	X		1	X1	N/A	DWG5 – white putty door window glaze
69	54A	12/3/12	0950		X	MT – ground fl, exterior, rm 3C	X		1	X1	N/A	DWG7 – white flexible window glaze in garage doors
70	54B	12/3/12	0957		X	MT – ground fl, exterior, rm 3C	X		1	X1	N/A	DWG7 – white flexible window glaze in garage doors

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	12/7/12			12-10-12	
(Printed) Gregory Kaczynski	Time: 1600	(Printed) Leon Bishop	(Printed) L. Bishop	Time: 1715	(Printed)

Remarks: Standard QA/QC Reporting Level
Report to: Henry Laliberte (hlaliberte@trcsolutions.com) (860) 298-6266
Include CT DPH RCP Report

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LAB ID #.

PROJECT NUMBER	PROJECT NAME	PARAMETERS	CONTAINERS				TURNAROUND TIME	
183572.4445.0710	ConnDOT-Murphy Terminal, BIA						X	Standard TAT 7-10 Days
								Rush TAT / Date Needed:
SIGNATURE	INSPECTOR G.Kaczynski/Tom Martin							

Lab ID: 61522-	SAMPLE ID:	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1=Caulk/glaze)	Preservative	NOTES
70	54C	12/3/12	1118		X	MT – ground fl, exterior, rm 12	X		1	X1	N/A	DWG7 – white flexible window glaze in garage doors
71	S11A	12/5/12	1409		X	MT – 3rd fl roof(ext or 4th floor)	X		1	X1	N/A	SS1 – silver silicone over WG2 glaze

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	12/7/12			12/10/12	
(Printed) Gregory Kaczynski	Time: 1600	(Printed) L. Bishop	(Printed) L. Bishop	Time: 1715	(Printed)

Remarks: Standard QA/QC Reporting Level
Report to: Henry Laliberte (hlaliberte@trcsolutions.com) (860) 298-6266
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Report Date:
27-Dec-12 12:49

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
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Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: Bradley International Airport-Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB62037-01	SS-2	Caulk	14-Dec-12 11:00	19-Dec-12 15:10
SB62037-02	SS-3	Caulk	14-Dec-12 11:55	19-Dec-12 15:10
SB62037-03	4-C	Caulk	14-Dec-12 11:00	19-Dec-12 15:10
SB62037-04	20-A	Caulk	14-Dec-12 10:22	19-Dec-12 15:10
SB62037-05	20-B	Caulk	14-Dec-12 10:24	19-Dec-12 15:10
SB62037-06	20-C	Caulk	14-Dec-12 10:28	19-Dec-12 15:10
SB62037-07	21-A	Caulk	14-Dec-12 10:15	19-Dec-12 15:10
SB62037-08	21-B	Caulk	14-Dec-12 10:14	19-Dec-12 15:10
SB62037-09	21-C	Caulk	14-Dec-12 10:18	19-Dec-12 15:10
SB62037-10	22-A	Caulk	14-Dec-12 09:50	19-Dec-12 15:10
SB62037-11	22-B	Caulk	11-Dec-12 09:10	19-Dec-12 15:10
SB62037-12	22-C	Caulk	11-Dec-12 08:55	19-Dec-12 15:10
SB62037-13	23-A	Caulk	14-Dec-12 09:55	19-Dec-12 15:10
SB62037-14	23-B	Caulk	14-Dec-12 10:10	19-Dec-12 15:10
SB62037-15	23-C	Caulk	11-Dec-12 08:44	19-Dec-12 15:10
SB62037-16	24-A	Caulk	11-Dec-12 09:30	19-Dec-12 15:10
SB62037-17	24-B	Caulk	11-Dec-12 09:34	19-Dec-12 15:10
SB62037-18	24-C	Caulk	11-Dec-12 09:40	19-Dec-12 15:10
SB62037-19	25-A	Caulk	11-Dec-12 11:15	19-Dec-12 15:10
SB62037-20	25-B	Caulk	11-Dec-12 11:30	19-Dec-12 15:10
SB62037-21	25-C	Caulk	11-Dec-12 11:40	19-Dec-12 15:10
SB62037-22	25-D	Caulk	11-Dec-12 14:10	19-Dec-12 15:10
SB62037-23	26-A	Caulk	11-Dec-12 10:35	19-Dec-12 15:10
SB62037-24	26-B	Caulk	11-Dec-12 10:45	19-Dec-12 15:10
SB62037-25	26-C	Caulk	11-Dec-12 10:54	19-Dec-12 15:10
SB62037-26	27-A	Caulk	11-Dec-12 10:45	19-Dec-12 15:10
SB62037-27	27-B	Caulk	11-Dec-12 10:52	19-Dec-12 15:10
SB62037-28	27-C	Caulk	11-Dec-12 10:55	19-Dec-12 15:10
SB62037-29	29-C	Caulk	10-Dec-12 11:50	19-Dec-12 15:10
SB62037-30	32-A	Caulk	11-Dec-12 13:30	19-Dec-12 15:10
SB62037-31	32-B	Caulk	11-Dec-12 13:50	19-Dec-12 15:10
SB62037-32	32-C	Caulk	11-Dec-12 13:45	19-Dec-12 15:10
SB62037-33	36-C	Glaze	14-Dec-12 13:45	19-Dec-12 15:10
SB62037-34	38-C	Glaze	11-Dec-12 11:45	19-Dec-12 15:10
SB62037-35	39-A	Glaze	10-Dec-12 13:45	19-Dec-12 15:10
SB62037-36	39-B	Glaze	14-Dec-12 11:21	19-Dec-12 15:10
SB62037-37	39-C	Glaze	14-Dec-12 11:35	19-Dec-12 15:10

SB62037-38	43-A	Glaze	14-Dec-12 08:31	19-Dec-12 15:10
SB62037-39	47-A	Glaze	11-Dec-12 10:30	19-Dec-12 15:10
SB62037-40	47-B	Glaze	11-Dec-12 10:36	19-Dec-12 15:10
SB62037-41	47-C	Glaze	11-Dec-12 10:41	19-Dec-12 15:10
SB62037-42	50-C	Glaze	14-Dec-12 12:10	19-Dec-12 15:10
SB62037-43	59-A	Glaze	10-Dec-12 13:20	19-Dec-12 15:10
SB62037-44	59-B	Glaze	10-Dec-12 13:25	19-Dec-12 15:10
SB62037-45	59-C	Glaze	10-Dec-12 13:40	19-Dec-12 15:10
SB62037-46	60-A	Caulk	11-Dec-12 10:05	19-Dec-12 15:10
SB62037-47	60-B	Caulk	11-Dec-12 10:10	19-Dec-12 15:10
SB62037-48	60-C	Caulk	11-Dec-12 10:11	19-Dec-12 15:10
SB62037-49	61-A	Caulk	11-Dec-12 13:15	19-Dec-12 15:10
SB62037-50	61-B	Caulk	11-Dec-12 13:22	19-Dec-12 15:10
SB62037-51	61-C	Caulk	11-Dec-12 13:24	19-Dec-12 15:10
SB62037-52	62-A	Glaze	11-Dec-12 15:00	19-Dec-12 15:10
SB62037-53	62-B	Glaze	11-Dec-12 15:06	19-Dec-12 15:10
SB62037-54	62-C	Glaze	11-Dec-12 15:20	19-Dec-12 15:10
SB62037-55	34-A	Caulk	18-Dec-12 13:27	19-Dec-12 15:10
SB62037-56	34-B	Caulk	18-Dec-12 13:23	19-Dec-12 15:10
SB62037-57	48-A	Glaze	18-Dec-12 13:20	19-Dec-12 15:10
SB62037-58	48-B	Glaze	18-Dec-12 13:15	19-Dec-12 15:10
SB62037-59	33-A	Caulk	18-Dec-12 13:17	19-Dec-12 15:10
SB62037-60	33-B	Caulk	18-Dec-12 13:21	19-Dec-12 15:10

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

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

Authorized by:

Nicole Leja
Laboratory Director

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

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

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Bradley International Airport-Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
12/10/2012 through 12/18/2012

Laboratory Sample ID(s):
SB62037-01 through SB62037-60

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 12/27/2012

CASE NARRATIVE:

The samples were received 2.1 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.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

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

SW846 8082A

Spikes:

1231276-MS1 *Source: SB62037-23*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr)

1231276-MSD1 *Source: SB62037-23*

RPD out of acceptance range.

Aroclor-1016
Aroclor-1260 [2C]

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Aroclor-1016
Aroclor-1016 [2C]

SW846 8082A

Spikes:

1231276-MSD1 *Source: SB62037-23*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr)

1231277-MS1 *Source: SB62037-45*

Multiple analyses indicate the percent recovery exceeds the Quality Control acceptance criteria due to a matrix effect.

Aroclor-1016
Aroclor-1016 [2C]

1231277-MSD1 *Source: SB62037-45*

Multiple analyses indicate the percent recovery exceeds the Quality Control acceptance criteria due to a matrix effect.

Aroclor-1016
Aroclor-1016 [2C]

Duplicates:

1231276-DUP1 *Source: SB62037-23*

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

Aroclor-1248
Aroclor-1248 [2C]
Aroclor-1260
Aroclor-1260 [2C]

Samples:

SB62037-01 *SS-2*

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

Aroclor-1260
Aroclor-1262
Aroclor-1268

SB62037-03 *4-C*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr)

SB62037-08 *21-B*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248

SB62037-11 *22-B*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SB62037-16 *24-A*

SW846 8082A

Samples:

SB62037-16 *24-A*

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

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr)

SB62037-17 *24-B*

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

SB62037-19 *25-A*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248

SB62037-20 *25-B*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248

SB62037-21 *25-C*

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

Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248

SB62037-22 *25-D*

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

Aroclor-1254

SB62037-26 *27-A*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB62037-27 *27-B*

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

Aroclor-1260
Aroclor-1262
Aroclor-1268

SW846 8082A

Samples:

SB62037-28 *27-C*

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

Aroclor-1260
Aroclor-1262
Aroclor-1268

SB62037-29 *29-C*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB62037-30 *32-A*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB62037-31 *32-B*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB62037-32 *32-C*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB62037-34 *38-C*

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

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

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

SB62037-39 *47-A*

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

SB62037-40 *47-B*

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

SW846 8082A

Samples:

SB62037-40 *47-B*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr)

SB62037-41 *47-C*

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

SB62037-47 *60-B*

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

SB62037-49 *61-A*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB62037-50 *61-B*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB62037-51 *61-C*

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

Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

SB62037-52 *62-A*

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

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

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

SB62037-53 *62-B*

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

SW846 8082A

Samples:

SB62037-53 *62-B*

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

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

SB62037-54 *62-C*

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

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

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

SB62037-55 *34-A*

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

SB62037-56 *34-B*

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-2 SB62037-01	183572.4445.0710	Caulk	14-Dec-12 11:00	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 163		µg/kg dry	163	81.6	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231275	X
11104-28-2	Aroclor-1221	< 163		µg/kg dry	163	147	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 163		µg/kg dry	163	105	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 163		µg/kg dry	163	96.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 163		µg/kg dry	163	80.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,960		µg/kg dry	163	120	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 327	R01	µg/kg dry	327	125	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 327	R01	µg/kg dry	327	304	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 327	R01	µg/kg dry	327	103	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231342	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SS-3 [redacted]037-02	183572.4445.0710	Caulk	14-Dec-12 11:55	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 188		µg/kg dry	188	94.2	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231275	X
11104-28-2	Aroclor-1221	< 188		µg/kg dry	188	170	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 188		µg/kg dry	188	121	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 188		µg/kg dry	188	111	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 188		µg/kg dry	188	92.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,530		µg/kg dry	188	138	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	4,580		µg/kg dry	188	72.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 188		µg/kg dry	188	176	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 188		µg/kg dry	188	59.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231342	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
4-C SB62037-03	183572.4445.0710	Caulk	14-Dec-12 11:00	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 122		µg/kg dry	122	60.9	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231275	X
11104-28-2	Aroclor-1221	< 122		µg/kg dry	122	110	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 122		µg/kg dry	122	78.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 122		µg/kg dry	122	71.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 122		µg/kg dry	122	59.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 122		µg/kg dry	122	89.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 122		µg/kg dry	122	46.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 122		µg/kg dry	122	114	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 122		µg/kg dry	122	38.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*1300*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
20-A [redacted]37-04	183572.4445.0710	Caulk	14-Dec-12 10:22	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 175		µg/kg dry	175	87.5	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231275	X
11104-28-2	Aroclor-1221	< 175		µg/kg dry	175	158	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 175		µg/kg dry	175	112	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 175		µg/kg dry	175	103	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 175		µg/kg dry	175	85.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	569		µg/kg dry	175	128	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	639		µg/kg dry	175	67.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 175		µg/kg dry	175	163	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 175		µg/kg dry	175	55.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.1		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231343	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
20-B	183572.4445.0710	Caulk	14-Dec-12 10:24	19-Dec-12
SB62037-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 169		µg/kg dry	169	84.4	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231275	X
11104-28-2	Aroclor-1221	< 169		µg/kg dry	169	152	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 169		µg/kg dry	169	108	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 169		µg/kg dry	169	99.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 169		µg/kg dry	169	82.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,090		µg/kg dry	169	124	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	938		µg/kg dry	169	64.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 169		µg/kg dry	169	157	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 169		µg/kg dry	169	53.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
20-C [redacted]37-06	183572.4445.0710	Caulk	14-Dec-12 10:28	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 135		µg/kg dry	135	67.4	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231275	X
11104-28-2	Aroclor-1221	< 135		µg/kg dry	135	121	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 135		µg/kg dry	135	86.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 135		µg/kg dry	135	79.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 135		µg/kg dry	135	66.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	903		µg/kg dry	135	98.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	1,210		µg/kg dry	135	51.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 135		µg/kg dry	135	126	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 135		µg/kg dry	135	42.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
21-A SB62037-07	183572.4445.0710	Caulk	14-Dec-12 10:15	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 132		µg/kg dry	132	65.9	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231275	X
11104-28-2	Aroclor-1221	< 132		µg/kg dry	132	119	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 132		µg/kg dry	132	84.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 132		µg/kg dry	132	77.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 132		µg/kg dry	132	64.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,440		µg/kg dry	132	96.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 132		µg/kg dry	132	50.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 132		µg/kg dry	132	123	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 132		µg/kg dry	132	41.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
21-B	183572.4445.0710	Caulk	14-Dec-12 10:14	19-Dec-12
S[illegible]037-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 210	R01	µg/kg dry	210	105	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231275	X
11104-28-2	Aroclor-1221	< 210	R01	µg/kg dry	210	190	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 210	R01	µg/kg dry	210	135	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 210	R01	µg/kg dry	210	124	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 210	R01	µg/kg dry	210	103	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	689		µg/kg dry	105	77.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 105		µg/kg dry	105	40.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 105		µg/kg dry	105	98.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 105		µg/kg dry	105	33.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
21-C SB62037-09	183572.4445.0710	Caulk	14-Dec-12 10:18	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 125		µg/kg dry	125	62.4	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231275	X
11104-28-2	Aroclor-1221	< 125		µg/kg dry	125	113	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 125		µg/kg dry	125	80.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 125		µg/kg dry	125	73.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	855		µg/kg dry	125	61.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	181		µg/kg dry	125	91.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 125		µg/kg dry	125	47.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 125		µg/kg dry	125	116	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 125		µg/kg dry	125	39.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
22-A [illegible]2037-10	183572.4445.0710	Caulk	14-Dec-12 09:50	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 131		µg/kg dry	131	65.6	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231275	X
11104-28-2	Aroclor-1221	< 131		µg/kg dry	131	118	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 131		µg/kg dry	131	84.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 131		µg/kg dry	131	77.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 131		µg/kg dry	131	64.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 131		µg/kg dry	131	96.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 131		µg/kg dry	131	50.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 131		µg/kg dry	131	122	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 131		µg/kg dry	131	41.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
22-B SB62037-11	183572.4445.0710	Caulk	11-Dec-12 09:10	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 179		µg/kg dry	179	89.4	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231275	X
11104-28-2	Aroclor-1221	< 179		µg/kg dry	179	161	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 179		µg/kg dry	179	115	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 179		µg/kg dry	179	105	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 179		µg/kg dry	179	87.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 179		µg/kg dry	179	131	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 179		µg/kg dry	179	68.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 179		µg/kg dry	179	167	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 179		µg/kg dry	179	56.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*1790*	S02		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.5		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
22-C [redacted]37-12	183572.4445.0710	Caulk	11-Dec-12 08:55	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 182		µg/kg dry	182	90.7	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231275	X
11104-28-2	Aroclor-1221	< 182		µg/kg dry	182	164	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 182		µg/kg dry	182	117	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 182		µg/kg dry	182	107	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 182		µg/kg dry	182	89.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 182		µg/kg dry	182	133	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 182		µg/kg dry	182	69.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 182		µg/kg dry	182	169	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 182		µg/kg dry	182	57.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.6		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
23-A SB62037-13	183572.4445.0710	Caulk	14-Dec-12 09:55	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 190		µg/kg dry	190	94.9	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231275	X
11104-28-2	Aroclor-1221	< 190		µg/kg dry	190	171	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 190		µg/kg dry	190	122	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 190		µg/kg dry	190	112	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 190		µg/kg dry	190	93.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 190		µg/kg dry	190	139	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 190		µg/kg dry	190	72.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 190		µg/kg dry	190	177	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 190		µg/kg dry	190	59.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*35*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
23-B [illegible]2037-14	183572.4445.0710	Caulk	14-Dec-12 10:10	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 185		µg/kg dry	185	92.6	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231275	X
11104-28-2	Aroclor-1221	< 185		µg/kg dry	185	167	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 185		µg/kg dry	185	119	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 185		µg/kg dry	185	109	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 185		µg/kg dry	185	91.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 185		µg/kg dry	185	136	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 185		µg/kg dry	185	71.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 185		µg/kg dry	185	173	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 185		µg/kg dry	185	58.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**99.2**		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
23-C SB62037-15	183572.4445.0710	Caulk	11-Dec-12 08:44	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 193		µg/kg dry	193	96.3	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231275	X
11104-28-2	Aroclor-1221	< 193		µg/kg dry	193	174	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 193		µg/kg dry	193	124	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 193		µg/kg dry	193	113	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 193		µg/kg dry	193	94.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 193		µg/kg dry	193	141	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 193		µg/kg dry	193	73.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 193		µg/kg dry	193	179	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 193		µg/kg dry	193	60.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
24-A S[illegible]037-16	183572.4445.0710	Caulk	11-Dec-12 09:30	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1730	D	µg/kg dry	1730	862	10	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231275	X
11104-28-2	Aroclor-1221	< 1730	D	µg/kg dry	1730	1550	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1730	D	µg/kg dry	1730	1110	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1730	D	µg/kg dry	1730	1020	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1730	D	µg/kg dry	1730	846	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	87,900	D	µg/kg dry	1730	1270	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1730	D	µg/kg dry	1730	661	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1730	D	µg/kg dry	1730	1610	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1730	D	µg/kg dry	1730	542	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*150*	S02		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
24-B SB62037-17	183572.4445.0710	Caulk	11-Dec-12 09:34	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 3570	D	µg/kg dry	3570	1780	20	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231275	X
11104-28-2	Aroclor-1221	< 3570	D	µg/kg dry	3570	3220	20	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 3570	D	µg/kg dry	3570	2290	20	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 3570	D	µg/kg dry	3570	2100	20	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 3570	D	µg/kg dry	3570	1750	20	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**132,000**	D	µg/kg dry	3570	1510	20	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 3570	D	µg/kg dry	3570	1370	20	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 3570	D	µg/kg dry	3570	3320	20	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 3570	D	µg/kg dry	3570	1120	20	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**98.6**		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
24-C [redacted]37-18	183572.4445.0710	Caulk	11-Dec-12 09:40	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 176		µg/kg dry	176	87.9	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231275	X
11104-28-2	Aroclor-1221	< 176		µg/kg dry	176	159	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 176		µg/kg dry	176	113	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 176		µg/kg dry	176	104	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 176		µg/kg dry	176	86.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	24,400		µg/kg dry	176	129	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 176		µg/kg dry	176	67.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 176		µg/kg dry	176	164	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 176		µg/kg dry	176	55.3	1	"	"	"	"	"	X
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	99.7		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231343	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
25-A SB62037-19	183572.4445.0710	Caulk	11-Dec-12 11:15	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 305	R01	µg/kg dry	305	153	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231275	X
11104-28-2	Aroclor-1221	< 305	R01	µg/kg dry	305	275	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 305	R01	µg/kg dry	305	196	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 305	R01	µg/kg dry	305	180	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 305	R01	µg/kg dry	305	150	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	473		µg/kg dry	153	112	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 153		µg/kg dry	153	58.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 153		µg/kg dry	153	142	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 153		µg/kg dry	153	47.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.0		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
25-B [illegible]2037-20	183572.4445.0710	Caulk	11-Dec-12 11:30	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 313	R01	µg/kg dry	313	157	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231275	X
11104-28-2	Aroclor-1221	< 313	R01	µg/kg dry	313	282	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 313	R01	µg/kg dry	313	201	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 313	R01	µg/kg dry	313	185	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 313	R01	µg/kg dry	313	154	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	399		µg/kg dry	157	115	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 157		µg/kg dry	157	60.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 157		µg/kg dry	157	146	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 157		µg/kg dry	157	49.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
25-C SB62037-21	183572.4445.0710	Caulk	11-Dec-12 11:40	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 312	R01	µg/kg dry	312	156	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231276	X
11104-28-2	Aroclor-1221	< 312	R01	µg/kg dry	312	281	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 312	R01	µg/kg dry	312	200	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 312	R01	µg/kg dry	312	184	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 312	R01	µg/kg dry	312	153	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	522		µg/kg dry	156	114	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 156		µg/kg dry	156	59.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 156		µg/kg dry	156	145	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 156		µg/kg dry	156	49.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
25-D S[illegible]37-22	183572.4445.0710	Caulk	11-Dec-12 14:10	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 139		µg/kg dry	139	69.3	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231276	X
11104-28-2	Aroclor-1221	< 139		µg/kg dry	139	125	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 139		µg/kg dry	139	89.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 139		µg/kg dry	139	81.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 139		µg/kg dry	139	68.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 277	R01	µg/kg dry	277	203	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 139		µg/kg dry	139	53.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 139		µg/kg dry	139	129	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 139		µg/kg dry	139	43.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	100		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
26-A SB62037-23	183572.4445.0710	Caulk	11-Dec-12 10:35	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 159		µg/kg dry	159	79.5	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231276	X
11104-28-2	Aroclor-1221	< 159		µg/kg dry	159	143	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 159		µg/kg dry	159	102	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 159		µg/kg dry	159	93.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	4,030		µg/kg dry	159	78.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 159		µg/kg dry	159	117	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	382		µg/kg dry	159	71.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 159		µg/kg dry	159	148	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 159		µg/kg dry	159	49.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.5		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
26-B [redacted]037-24	183572.4445.0710	Caulk	11-Dec-12 10:45	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 130		µg/kg dry	130	65.1	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231276	X
11104-28-2	Aroclor-1221	< 130		µg/kg dry	130	117	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 130		µg/kg dry	130	83.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 130		µg/kg dry	130	76.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	3,320		µg/kg dry	130	64.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	4,190		µg/kg dry	130	95.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	710		µg/kg dry	130	50.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 130		µg/kg dry	130	121	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 130		µg/kg dry	130	40.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.1		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
26-C SB62037-25	183572.4445.0710	Caulk	11-Dec-12 10:54	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 129		µg/kg dry	129	64.4	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231276	X
11104-28-2	Aroclor-1221	< 129		µg/kg dry	129	116	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 129		µg/kg dry	129	82.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 129		µg/kg dry	129	76.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	3,110		µg/kg dry	129	63.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	6,640		µg/kg dry	129	94.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	1,170		µg/kg dry	129	49.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 129		µg/kg dry	129	120	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 129		µg/kg dry	129	40.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.3		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
27-A [redacted]37-26	183572.4445.0710	Caulk	11-Dec-12 10:45	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 135		µg/kg dry	135	67.2	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231276	X
11104-28-2	Aroclor-1221	< 135		µg/kg dry	135	121	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 135		µg/kg dry	135	86.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 135		µg/kg dry	135	79.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 135		µg/kg dry	135	66.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 269	R01	µg/kg dry	269	197	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 269	R01	µg/kg dry	269	103	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 269	R01	µg/kg dry	269	251	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 269	R01	µg/kg dry	269	84.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.1		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
27-B SB62037-27	183572.4445.0710	Caulk	11-Dec-12 10:52	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 137		µg/kg dry	137	68.6	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231276	X
11104-28-2	Aroclor-1221	< 137		µg/kg dry	137	124	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 137		µg/kg dry	137	88.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 137		µg/kg dry	137	80.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 137		µg/kg dry	137	67.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,330		µg/kg dry	137	101	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 275	R01	µg/kg dry	275	105	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 275	R01	µg/kg dry	275	256	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 275	R01	µg/kg dry	275	86.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.3		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
27-C S[illegible]37-28	183572.4445.0710	Caulk	11-Dec-12 10:55	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 185		µg/kg dry	185	92.7	1	SW846 8082A	19-Dec-12	20-Dec-12	IMR	1231276	X
11104-28-2	Aroclor-1221	< 185		µg/kg dry	185	167	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 185		µg/kg dry	185	119	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 185		µg/kg dry	185	109	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 185		µg/kg dry	185	91.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**1,500**		µg/kg dry	185	136	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 371	R01	µg/kg dry	371	142	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 371	R01	µg/kg dry	371	345	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 371	R01	µg/kg dry	371	116	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**98.5**		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
29-C SB62037-29	183572.4445.0710	Caulk	10-Dec-12 11:50	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 132		µg/kg dry	132	65.9	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231276	X
11104-28-2	Aroclor-1221	< 132		µg/kg dry	132	119	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 132		µg/kg dry	132	84.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 132		µg/kg dry	132	77.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 132		µg/kg dry	132	64.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 264	R01	µg/kg dry	264	194	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 264	R01	µg/kg dry	264	101	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 264	R01	µg/kg dry	264	246	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 264	R01	µg/kg dry	264	82.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
32-A [redacted]37-30	183572.4445.0710	Caulk	11-Dec-12 13:30	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 161		µg/kg dry	161	80.2	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231276	X
11104-28-2	Aroclor-1221	< 161		µg/kg dry	161	145	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 161		µg/kg dry	161	103	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 161		µg/kg dry	161	94.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 161		µg/kg dry	161	78.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 321	R01	µg/kg dry	321	236	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 321	R01	µg/kg dry	321	123	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 321	R01	µg/kg dry	321	299	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 321	R01	µg/kg dry	321	101	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*135*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	98.8		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
32-B SB62037-31	183572.4445.0710	Caulk	11-Dec-12 13:50	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 154		µg/kg dry	154	77.0	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231276	X
11104-28-2	Aroclor-1221	< 154		µg/kg dry	154	139	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 154		µg/kg dry	154	98.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 154		µg/kg dry	154	90.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 154		µg/kg dry	154	75.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 308	R01	µg/kg dry	308	226	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 308	R01	µg/kg dry	308	118	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 308	R01	µg/kg dry	308	287	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 308	R01	µg/kg dry	308	96.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
32-C [redacted]037-32	183572.4445.0710	Caulk	11-Dec-12 13:45	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 151		µg/kg dry	151	75.4	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231276	X
11104-28-2	Aroclor-1221	< 151		µg/kg dry	151	136	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 151		µg/kg dry	151	96.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 151		µg/kg dry	151	88.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 151		µg/kg dry	151	74.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 302	R01	µg/kg dry	302	221	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 302	R01	µg/kg dry	302	116	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 302	R01	µg/kg dry	302	281	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 302	R01	µg/kg dry	302	94.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
36-C SB62037-33	183572.4445.0710	Glaze	14-Dec-12 13:45	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 135		µg/kg dry	135	67.6	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231276	X
11104-28-2	Aroclor-1221	< 135		µg/kg dry	135	122	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 135		µg/kg dry	135	86.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 135		µg/kg dry	135	79.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 135		µg/kg dry	135	66.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,820		µg/kg dry	135	99.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 135		µg/kg dry	135	51.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 135		µg/kg dry	135	126	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 135		µg/kg dry	135	42.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
38-C [redacted]37-34	183572.4445.0710	Glaze	11-Dec-12 11:45	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 396000	D	µg/kg dry	396000	198000	2000	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231276	X
11104-28-2	Aroclor-1221	< 396000	D	µg/kg dry	396000	357000	2000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 396000	D	µg/kg dry	396000	254000	2000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 396000	D	µg/kg dry	396000	233000	2000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 396000	D	µg/kg dry	396000	194000	2000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	14,600,000	D	µg/kg dry	396000	291000	2000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 396000	D	µg/kg dry	396000	152000	2000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 396000	D	µg/kg dry	396000	369000	2000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 396000	D	µg/kg dry	396000	124000	2000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.5		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231344	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
39-A SB62037-35	183572.4445.0710	Glaze	10-Dec-12 13:45	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 109		µg/kg dry	109	54.2	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231276	X
11104-28-2	Aroclor-1221	< 109		µg/kg dry	109	97.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 109		µg/kg dry	109	69.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 109		µg/kg dry	109	63.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 109		µg/kg dry	109	53.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,380		µg/kg dry	109	79.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	1,730		µg/kg dry	109	41.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 109		µg/kg dry	109	101	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 109		µg/kg dry	109	34.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
39-B S[illegible]37-36	183572.4445.0710	Glaze	14-Dec-12 11:21	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 111		µg/kg dry	111	55.6	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231276	X
11104-28-2	Aroclor-1221	< 111		µg/kg dry	111	100	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 111		µg/kg dry	111	71.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 111		µg/kg dry	111	65.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 111		µg/kg dry	111	54.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,260		µg/kg dry	111	81.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 111		µg/kg dry	111	42.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 111		µg/kg dry	111	104	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 111		µg/kg dry	111	35.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*145*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
39-C SB62037-37	183572.4445.0710	Glaze	14-Dec-12 11:35	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 114		µg/kg dry	114	56.8	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231276	X
11104-28-2	Aroclor-1221	< 114		µg/kg dry	114	102	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 114		µg/kg dry	114	73.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 114		µg/kg dry	114	67.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 114		µg/kg dry	114	55.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,250		µg/kg dry	114	48.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 114		µg/kg dry	114	43.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 114		µg/kg dry	114	106	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 114		µg/kg dry	114	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
43-A S[illegible]37-38	183572.4445.0710	Glaze	14-Dec-12 08:31	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 136		µg/kg dry	136	67.9	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231276	X
11104-28-2	Aroclor-1221	< 136		µg/kg dry	136	122	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 136		µg/kg dry	136	87.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 136		µg/kg dry	136	80.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 136		µg/kg dry	136	66.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 136		µg/kg dry	136	99.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 136		µg/kg dry	136	52.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 136		µg/kg dry	136	127	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 136		µg/kg dry	136	42.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231344	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
47-A SB62037-39	183572.4445.0710	Glaze	11-Dec-12 10:30	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1610	D	µg/kg dry	1610	806	10	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231276	X
11104-28-2	Aroclor-1221	< 1610	D	µg/kg dry	1610	1450	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1610	D	µg/kg dry	1610	1040	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1610	D	µg/kg dry	1610	950	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1610	D	µg/kg dry	1610	791	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 1610	D	µg/kg dry	1610	1180	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1610	D	µg/kg dry	1610	618	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1610	D	µg/kg dry	1610	1500	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1610	D	µg/kg dry	1610	507	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
47-B [illegible]037-40	183572.4445.0710	Glaze	11-Dec-12 10:36	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1610	D	µg/kg dry	1610	806	10	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231276	X
11104-28-2	Aroclor-1221	< 1610	D	µg/kg dry	1610	1450	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1610	D	µg/kg dry	1610	1040	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1610	D	µg/kg dry	1610	951	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1610	D	µg/kg dry	1610	792	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 1610	D	µg/kg dry	1610	1180	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1610	D	µg/kg dry	1610	619	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1610	D	µg/kg dry	1610	1500	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1610	D	µg/kg dry	1610	507	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*250*	S02		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
47-C SB62037-41	183572.4445.0710	Glaze	11-Dec-12 10:41	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R01										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1760	D	µg/kg dry	1760	879	10	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231277	X
11104-28-2	Aroclor-1221	< 1760	D	µg/kg dry	1760	1580	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1760	D	µg/kg dry	1760	1130	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1760	D	µg/kg dry	1760	1040	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1760	D	µg/kg dry	1760	863	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 1760	D	µg/kg dry	1760	1290	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1760	D	µg/kg dry	1760	674	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1760	D	µg/kg dry	1760	1640	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1760	D	µg/kg dry	1760	552	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
50-C SB62037-42	183572.4445.0710	Glaze	14-Dec-12 12:10	19-Dec-12

No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 189		µg/kg dry	189	94.3	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231277	X
11104-28-2	Aroclor-1221	< 189		µg/kg dry	189	170	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 189		µg/kg dry	189	121	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 189		µg/kg dry	189	111	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 189		µg/kg dry	189	92.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**746**		µg/kg dry	189	138	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 189		µg/kg dry	189	72.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 189		µg/kg dry	189	176	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 189		µg/kg dry	189	59.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**98.0**		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
59-A SB62037-43	183572.4445.0710	Glaze	10-Dec-12 13:20	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 105		µg/kg dry	105	52.3	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231277	X
11104-28-2	Aroclor-1221	< 105		µg/kg dry	105	94.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 105		µg/kg dry	105	67.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	1,330		µg/kg dry	105	61.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 105		µg/kg dry	105	51.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 105		µg/kg dry	105	76.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	434		µg/kg dry	105	40.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 105		µg/kg dry	105	97.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 105		µg/kg dry	105	32.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231345	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
59-B [redacted]037-44	183572.4445.0710	Glaze	10-Dec-12 13:25	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 121		µg/kg dry	121	60.4	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231277	X
11104-28-2	Aroclor-1221	< 121		µg/kg dry	121	109	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 121		µg/kg dry	121	77.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	2,110		µg/kg dry	121	47.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 121		µg/kg dry	121	59.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 121		µg/kg dry	121	88.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	761		µg/kg dry	121	46.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 121		µg/kg dry	121	113	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 121		µg/kg dry	121	38.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231345	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
59-C SB62037-45	183572.4445.0710	Glaze	10-Dec-12 13:40	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 135		µg/kg dry	135	67.5	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231277	X
11104-28-2	Aroclor-1221	< 135		µg/kg dry	135	122	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 135		µg/kg dry	135	86.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	**1,980**		µg/kg dry	135	53.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 135		µg/kg dry	135	66.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 135		µg/kg dry	135	99.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**966**		µg/kg dry	135	51.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 135		µg/kg dry	135	126	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 135		µg/kg dry	135	42.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231345	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
60-A S[illegible]037-46	183572.4445.0710	Caulk	11-Dec-12 10:05	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 181		µg/kg dry	181	90.2	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231277	X
11104-28-2	Aroclor-1221	< 181		µg/kg dry	181	163	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 181		µg/kg dry	181	116	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 181		µg/kg dry	181	106	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 181		µg/kg dry	181	88.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	10,400		µg/kg dry	181	132	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 181		µg/kg dry	181	69.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 181		µg/kg dry	181	168	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 181		µg/kg dry	181	56.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231345	

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* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
60-B SB62037-47	183572.4445.0710	Caulk	11-Dec-12 10:10	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1650	D	µg/kg dry	1650	826	10	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231277	X
11104-28-2	Aroclor-1221	< 1650	D	µg/kg dry	1650	1490	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1650	D	µg/kg dry	1650	1060	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1650	D	µg/kg dry	1650	974	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1650	D	µg/kg dry	1650	811	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	26,900	D	µg/kg dry	1650	1210	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1650	D	µg/kg dry	1650	634	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1650	D	µg/kg dry	1650	1540	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1650	D	µg/kg dry	1650	519	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231345	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
60-C [illegible]037-48	183572.4445.0710	Caulk	11-Dec-12 10:11	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 182		µg/kg dry	182	90.8	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231277	X
11104-28-2	Aroclor-1221	< 182		µg/kg dry	182	164	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 182		µg/kg dry	182	117	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 182		µg/kg dry	182	107	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 182		µg/kg dry	182	89.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	23,500		µg/kg dry	182	133	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 182		µg/kg dry	182	69.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 182		µg/kg dry	182	169	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 182		µg/kg dry	182	57.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231345	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
61-A SB62037-49	183572.4445.0710	Caulk	11-Dec-12 13:15	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 155		µg/kg dry	155	77.2	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231277	X
11104-28-2	Aroclor-1221	< 155		µg/kg dry	155	139	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 155		µg/kg dry	155	99.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 155		µg/kg dry	155	91.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 155		µg/kg dry	155	75.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 309	R01	µg/kg dry	309	227	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 309	R01	µg/kg dry	309	118	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 309	R01	µg/kg dry	309	268	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 309	R01	µg/kg dry	309	97.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231345	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
61-B	183572.4445.0710	Caulk	11-Dec-12 13:22	19-Dec-12
SB62037-50				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 127		µg/kg dry	127	63.5	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231277	X
11104-28-2	Aroclor-1221	< 127		µg/kg dry	127	115	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 127		µg/kg dry	127	81.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 127		µg/kg dry	127	74.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 127		µg/kg dry	127	62.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 254	R01	µg/kg dry	254	187	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 254	R01	µg/kg dry	254	97.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 254	R01	µg/kg dry	254	237	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 254	R01	µg/kg dry	254	79.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231345	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
61-C SB62037-51	183572.4445.0710	Caulk	11-Dec-12 13:24	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 196		µg/kg dry	196	97.8	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231277	X
11104-28-2	Aroclor-1221	< 196		µg/kg dry	196	176	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 196		µg/kg dry	196	126	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 196		µg/kg dry	196	115	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 196		µg/kg dry	196	96.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 392	R01	µg/kg dry	392	287	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 392	R01	µg/kg dry	392	150	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 392	R01	µg/kg dry	392	365	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 392	R01	µg/kg dry	392	123	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231345	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
62-A [illegible]2037-52	183572.4445.0710	Glaze	11-Dec-12 15:00	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 19700	D	µg/kg dry	19700	9830	100	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231277	X
11104-28-2	Aroclor-1221	< 19700	D	µg/kg dry	19700	17700	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19700	D	µg/kg dry	19700	12600	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 19700	D	µg/kg dry	19700	11600	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 19700	D	µg/kg dry	19700	9650	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**1,960,000**	D	µg/kg dry	19700	14400	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**695,000**	D	µg/kg dry	19700	7540	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19700	D	µg/kg dry	19700	18300	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 19700	D	µg/kg dry	19700	6170	100	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**97.6**		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231345	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
62-B SB62037-53	183572.4445.0710	Glaze	11-Dec-12 15:06	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 16700	D	µg/kg dry	16700	8330	100	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231277	X
11104-28-2	Aroclor-1221	< 16700	D	µg/kg dry	16700	15000	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 16700	D	µg/kg dry	16700	10700	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 16700	D	µg/kg dry	16700	9820	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 16700	D	µg/kg dry	16700	8180	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**2,640,000**	D	µg/kg dry	16700	7070	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**474,000**	D	µg/kg dry	16700	6390	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 16700	D	µg/kg dry	16700	15500	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 16700	D	µg/kg dry	16700	5230	100	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.0		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231345	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
62-C SP62037-54	183572.4445.0710	Glaze	11-Dec-12 15:20	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 376000	D	µg/kg dry	376000	188000	2000	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231277	X
11104-28-2	Aroclor-1221	< 376000	D	µg/kg dry	376000	339000	2000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 376000	D	µg/kg dry	376000	242000	2000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 376000	D	µg/kg dry	376000	222000	2000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 376000	D	µg/kg dry	376000	185000	2000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**28,600,000**	D	µg/kg dry	376000	276000	2000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 376000	D	µg/kg dry	376000	144000	2000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 376000	D	µg/kg dry	376000	351000	2000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 376000	D	µg/kg dry	376000	118000	2000	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	95.4		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231345	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
34-A SB62037-55	183572.4445.0710	Caulk	18-Dec-12 13:27	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1060	D	µg/kg dry	1060	529	10	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231277	X
11104-28-2	Aroclor-1221	< 1060	D	µg/kg dry	1060	954	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1060	D	µg/kg dry	1060	680	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1060	D	µg/kg dry	1060	624	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	46,000	D	µg/kg dry	1060	520	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 1060	D	µg/kg dry	1060	777	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1060	D	µg/kg dry	1060	406	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1060	D	µg/kg dry	1060	988	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1060	D	µg/kg dry	1060	332	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.5		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231345	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
34-B S[illegible]937-56	183572.4445.0710	Caulk	18-Dec-12 13:23	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1530	D	µg/kg dry	1530	765	10	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231277	X
11104-28-2	Aroclor-1221	< 1530	D	µg/kg dry	1530	1380	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1530	D	µg/kg dry	1530	983	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1530	D	µg/kg dry	1530	902	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1530	D	µg/kg dry	1530	751	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	43,200	D	µg/kg dry	1530	1120	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1530	D	µg/kg dry	1530	587	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1530	D	µg/kg dry	1530	1430	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1530	D	µg/kg dry	1530	481	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.6		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231345	

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* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
48-A SB62037-57	183572.4445.0710	Glaze	18-Dec-12 13:20	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 144		µg/kg dry	144	72.0	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231277	X
11104-28-2	Aroclor-1221	< 144		µg/kg dry	144	130	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 144		µg/kg dry	144	92.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 144		µg/kg dry	144	84.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 144		µg/kg dry	144	70.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	11,300		µg/kg dry	144	61.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	2,670		µg/kg dry	144	64.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 144		µg/kg dry	144	134	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 144		µg/kg dry	144	45.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.6		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231345	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
48-B S[illegible]037-58	183572.4445.0710	Glaze	18-Dec-12 13:15	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 121		µg/kg dry	121	60.3	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231277	X
11104-28-2	Aroclor-1221	< 121		µg/kg dry	121	109	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 121		µg/kg dry	121	77.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 121		µg/kg dry	121	71.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 121		µg/kg dry	121	59.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	8,440		µg/kg dry	121	51.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	2,480		µg/kg dry	121	53.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 121		µg/kg dry	121	112	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 121		µg/kg dry	121	37.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231345	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
33-A SB62037-59	183572.4445.0710	Caulk	18-Dec-12 13:17	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 164		µg/kg dry	164	81.7	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231277	X
11104-28-2	Aroclor-1221	< 164		µg/kg dry	164	147	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 164		µg/kg dry	164	105	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 164		µg/kg dry	164	96.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 164		µg/kg dry	164	80.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	6,710		µg/kg dry	164	120	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 164		µg/kg dry	164	62.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 164		µg/kg dry	164	152	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 164		µg/kg dry	164	51.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231345	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
33-B [illegible]2037-60	183572.4445.0710	Caulk	18-Dec-12 13:21	19-Dec-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 110		µg/kg dry	110	54.7	1	SW846 8082A	19-Dec-12	21-Dec-12	IMR	1231277	X
11104-28-2	Aroclor-1221	< 110		µg/kg dry	110	98.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 110		µg/kg dry	110	70.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 110		µg/kg dry	110	64.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 110		µg/kg dry	110	53.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	5,760		µg/kg dry	110	80.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 110		µg/kg dry	110	42.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 110		µg/kg dry	110	102	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 110		µg/kg dry	110	34.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	20-Dec-12	20-Dec-12	DT	1231345	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1231275 - SW846 3540C										
Blank (1231275-BLK1)						Prepared: 19-Dec-12 Analyzed: 20-Dec-12				
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS (1231275-BS1)						Prepared: 19-Dec-12 Analyzed: 20-Dec-12				
Aroclor-1016	**264**		µg/kg wet	20.0	250		106	40-140		
Aroclor-1016 [2C]	**255**		µg/kg wet	20.0	250		102	40-140		
Aroclor-1260	**270**		µg/kg wet	20.0	250		108	40-140		
Aroclor-1260 [2C]	**237**		µg/kg wet	20.0	250		95	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS Dup (1231275-BSD1)						Prepared: 19-Dec-12 Analyzed: 20-Dec-12				
Aroclor-1016	**272**		µg/kg wet	20.0	250		109	40-140	3	30
Aroclor-1016 [2C]	**254**		µg/kg wet	20.0	250		102	40-140	0.4	30
Aroclor-1260	**267**		µg/kg wet	20.0	250		107	40-140	1	30
Aroclor-1260 [2C]	**238**		µg/kg wet	20.0	250		95	40-140	0.4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Duplicate (1231275-DUP1)			**Source: SB62037-04**			Prepared: 19-Dec-12 Analyzed: 20-Dec-12				
Aroclor-1016	< 165		µg/kg dry	165		BRL				30
Aroclor-1016 [2C]	< 165		µg/kg dry	165		BRL				30
Aroclor-1221	< 165		µg/kg dry	165		BRL				30
Aroclor-1221 [2C]	< 165		µg/kg dry	165		BRL				30
Aroclor-1232	< 165		µg/kg dry	165		BRL				30
Aroclor-1232 [2C]	< 165		µg/kg dry	165		BRL				30
Aroclor-1242	< 165		µg/kg dry	165		BRL				30
Aroclor-1242 [2C]	< 165		µg/kg dry	165		BRL				30
Aroclor-1248	< 165		µg/kg dry	165		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1231275 - SW846 3540C										
Duplicate (1231275-DUP1)			Source: SB62037-04		Prepared: 19-Dec-12 Analyzed: 20-Dec-12					
Aroclor-1248 [2C]	< 165		µg/kg dry	165		BRL				30
Aroclor-1254	**535**		µg/kg dry	165		569			6	30
Aroclor-1254 [2C]	**469**		µg/kg dry	165		569			19	30
Aroclor-1260	**593**		µg/kg dry	165		639			8	30
Aroclor-1260 [2C]	**617**		µg/kg dry	165		490			23	30
Aroclor-1262	< 165		µg/kg dry	165		BRL				30
Aroclor-1262 [2C]	< 165		µg/kg dry	165		BRL				30
Aroclor-1268	< 165		µg/kg dry	165		BRL				30
Aroclor-1268 [2C]	< 165		µg/kg dry	165		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*173*		µg/kg dry		*165*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*198*		µg/kg dry		*165*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*214*		µg/kg dry		*165*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*173*		µg/kg dry		*165*		*105*	*30-150*		
Matrix Spike (1231275-MS1)			Source: SB62037-04		Prepared: 19-Dec-12 Analyzed: 20-Dec-12					
Aroclor-1016	**3040**		µg/kg dry	201	2510	BRL	121	40-140		
Aroclor-1016 [2C]	**2770**		µg/kg dry	2D1	2510	BRL	110	40-140		
Aroclor-1260	**3140**		µg/kg dry	2D1	2510	639	100	40-140		
Aroclor-1260 [2C]	**2980**		µg/kg dry	201	2510	490	99	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*251*		µg/kg dry		*201*		*125*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*251*		µg/kg dry		*201*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*281*		µg/kg dry		*201*		*140*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*261*		µg/kg dry		*201*		*130*	*30-150*		
Matrix Spike Dup (1231275-MSD1)			Source: SB62037-04		Prepared: 19-Dec-12 Analyzed: 20-Dec-12					
Aroclor-1016	**1850**		µg/kg dry	144	1790	BRL	103	40-140	16	30
Aroclor-1016 [2C]	**1820**		µg/kg dry	144	1790	BRL	101	40-140	9	30
Aroclor-1260	**2250**		µg/kg dry	144	1790	639	90	40-140	10	30
Aroclor-1260 [2C]	**2110**		µg/kg dry	144	1790	490	90	40-140	9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*151*		µg/kg dry		*144*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*158*		µg/kg dry		*144*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*187*		µg/kg dry		*144*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*165*		µg/kg dry		*144*		*115*	*30-150*		
Batch 1231276 - SW846 3540C										
Blank (1231276-BLK1)					Prepared: 19-Dec-12 Analyzed: 20-Dec-12					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1231276 - SW846 3540C										
Blank (1231276-BLK1)					Prepared: 19-Dec-12 Analyzed: 20-Dec-12					
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS (1231276-BS1)					Prepared: 19-Dec-12 Analyzed: 20-Dec-12					
Aroclor-1016	**257**		µg/kg wet	20.0	250		103	40-140		
Aroclor-1016 [2C]	**264**		µg/kg wet	20.0	250		106	40-140		
Aroclor-1260	**239**		µg/kg wet	20.0	250		96	40-140		
Aroclor-1260 [2C]	**221**		µg/kg wet	20.0	250		88	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS Dup (1231276-BSD1)					Prepared: 19-Dec-12 Analyzed: 20-Dec-12					
Aroclor-1016	**252**		µg/kg wet	20.0	250		101	40-140	2	30
Aroclor-1016 [2C]	**270**		µg/kg wet	20.0	250		108	40-140	2	30
Aroclor-1260	**232**		µg/kg wet	20.0	250		93	40-140	3	30
Aroclor-1260 [2C]	**213**		µg/kg wet	20.0	250		85	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Duplicate (1231276-DUP1)			**Source: SB62037-23**			Prepared: 19-Dec-12 Analyzed: 20-Dec-12				
Aroclor-1016	< 107		µg/kg dry	107		BRL				30
Aroclor-1016 [2C]	< 107		µg/kg dry	107		BRL				30
Aroclor-1221	< 107		µg/kg dry	107		BRL				30
Aroclor-1221 [2C]	< 107		µg/kg dry	107		BRL				30
Aroclor-1232	< 107		µg/kg dry	107		BRL				30
Aroclor-1232 [2C]	< 107		µg/kg dry	107		BRL				30
Aroclor-1242	< 107		µg/kg dry	107		BRL				30
Aroclor-1242 [2C]	< 107		µg/kg dry	107		BRL				30
Aroclor-1248	**2460**	QM4	µg/kg dry	107		4030			48	30
Aroclor-1248 [2C]	**2340**	QM4	µg/kg dry	107		3740			46	30
Aroclor-1254	< 107		µg/kg dry	107		BRL				30
Aroclor-1254 [2C]	< 107		µg/kg dry	107		BRL				30
Aroclor-1260	**257**	QM4	µg/kg dry	107		374			37	30
Aroclor-1260 [2C]	**252**	QM4	µg/kg dry	107		382			41	30
Aroclor-1262	< 107		µg/kg dry	107		BRL				30
Aroclor-1262 [2C]	< 107		µg/kg dry	107		BRL				30
Aroclor-1268	< 107		µg/kg dry	107		BRL				30
Aroclor-1288 [2C]	< 107		µg/kg dry	107		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*123*		µg/kg dry		*107*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*59.0*		µg/kg dry		*107*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*134*		µg/kg dry		*107*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*134*		µg/kg dry		*107*		*125*	*30-150*		
Matrix Spike (1231276-MS1)			**Source: SB62037-23**			Prepared: 19-Dec-12 Analyzed: 20-Dec-12				
Aroclor-1016	**5150**	QM7	µg/kg dry	129	1620	BRL	318	40-140		
Aroclor-1016 [2C]	**3660**	QM7	µg/kg dry	129	1620	BRL	226	40-140		
Aroclor-1260	**2730**	QM7	µg/kg dry	129	1620	374	146	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1231276 - SW846 3540C										
Matrix Spike (1231276-MS1)			Source: SB62037-23		Prepared: 19-Dec-12		Analyzed: 20-Dec-12			
Aroclor-1260 [2C]	**2380**		µg/kg dry	129	1620	382	124	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*194*		µg/kg dry		*129*		*150*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*123*		µg/kg dry		*129*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*214*	S02	µg/kg dry		*129*		*165*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*142*		µg/kg dry		*129*		*110*	*30-150*		
Matrix Spike Dup (1231276-MSD1)			Source: SB62037-23		Prepared: 19-Dec-12		Analyzed: 20-Dec-12			
Aroclor-1016	**3290**	QM7, QR5	µg/kg dry	140	1740	BRL	189	40-140	51	30
Aroclor-1016 [2C]	**3250**	QM7	µg/kg dry	140	1740	BRL	186	40-140	19	30
Aroclor-1260	**2290**		µg/kg dry	140	1740	374	110	40-140	28	30
Aroclor-1260 [2C]	**1670**	QR5	µg/kg dry	140	1740	382	74	40-140	51	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*202*		µg/kg dry		*140*		*145*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*140*		µg/kg dry		*140*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*223*	S02	µg/kg dry		*140*		*160*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*153*		µg/kg dry		*140*		*110*	*30-150*		
Batch 1231277 - SW846 3540C										
Blank (1231277-BLK1)					Prepared: 19-Dec-12		Analyzed: 21-Dec-12			
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*27.0*		µg/kg wet		*20.0*		*135*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS (1231277-BS1)					Prepared: 19-Dec-12		Analyzed: 21-Dec-12			
Aroclor-1016	**276**		µg/kg wet	20.0	250		110	40-140		
Aroclor-1016 [2C]	**252**		µg/kg wet	20.0	250		101	40-140		
Aroclor-1260	**238**		µg/kg wet	20.0	250		95	40-140		
Aroclor-1260 [2C]	**213**		µg/kg wet	20.0	250		85	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS Dup (1231277-BSD1)					Prepared: 19-Dec-12		Analyzed: 21-Dec-12			
Aroclor-1016	**264**		µg/kg wet	20.0	250		106	40-140	4	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1231277 - SW846 3540C										
LCS Dup (1231277-BSD1)					Prepared: 19-Dec-12 Analyzed: 21-Dec-12					
Aroclor-1016 [2C]	**258**		µg/kg wet	20.0	250		103	40-140	2	30
Aroclor-1260	**239**		µg/kg wet	20.0	250		96	40-140	0.4	30
Aroclor-1260 [2C]	**215**		µg/kg wet	20.0	250		86	40-140	0.9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Duplicate (1231277-DUP1)			Source: SB62037-45		Prepared: 19-Dec-12 Analyzed: 21-Dec-12					
Aroclor-1016	< 151		µg/kg dry	151		BRL				30
Aroclor-1016 [2C]	< 151		µg/kg dry	151		BRL				30
Aroclor-1221	< 151		µg/kg dry	151		BRL				30
Aroclor-1221 [2C]	< 151		µg/kg dry	151		BRL				30
Aroclor-1232	< 151		µg/kg dry	151		BRL				30
Aroclor-1232 [2C]	< 151		µg/kg dry	151		BRL				30
Aroclor-1242	**1980**		µg/kg dry	151		1890			5	30
Aroclor-1242 [2C]	**2070**		µg/kg dry	151		1980			5	30
Aroclor-1248	< 151		µg/kg dry	151		BRL				30
Aroclor-1248 [2C]	< 151		µg/kg dry	151		BRL				30
Aroclor-1254	< 151		µg/kg dry	151		BRL				30
Aroclor-1254 [2C]	< 151		µg/kg dry	151		BRL				30
Aroclor-1260	**927**		µg/kg dry	151		966			4	30
Aroclor-1260 [2C]	**912**		µg/kg dry	151		959			5	30
Aroclor-1262	< 151		µg/kg dry	151		BRL				30
Aroclor-1262 [2C]	< 151		µg/kg dry	151		BRL				30
Aroclor-1268	< 151		µg/kg dry	151		BRL				30
Aroclor-1268 [2C]	< 151		µg/kg dry	151		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*166*		µg/kg dry		*151*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*181*		µg/kg dry		*151*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*173*		µg/kg dry		*151*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*143*		µg/kg dry		*151*		*95*	*30-150*		
Matrix Spike (1231277-MS1)			Source: SB62037-45		Prepared: 19-Dec-12 Analyzed: 21-Dec-12					
Aroclor-1016	**3560**	QM3	µg/kg dry	149	1860	BRL	191	40-140		
Aroclor-1016 [2C]	**3270**	QM3	µg/kg dry	149	1860	BRL	176	40-140		
Aroclor-1260	**2850**		µg/kg dry	149	1860	966	101	40-140		
Aroclor-1260 [2C]	**2600**		µg/kg dry	149	1860	959	88	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*208*		µg/kg dry		*149*		*140*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*186*		µg/kg dry		*149*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*208*		µg/kg dry		*149*		*140*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*127*		µg/kg dry		*149*		*85*	*30-150*		
Matrix Spike Dup (1231277-MSD1)			Source: SB62037-45		Prepared: 19-Dec-12 Analyzed: 21-Dec-12					
Aroclor-1016	**3310**	QM3	µg/kg dry	127	1590	BRL	208	40-140	8	30
Aroclor-1016 [2C]	**3400**	QM3	µg/kg dry	127	1590	BRL	214	40-140	20	30
Aroclor-1260	**2550**		µg/kg dry	127	1590	966	99	40-140	2	30
Aroclor-1260 [2C]	**2430**		µg/kg dry	127	1590	959	93	40-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*166*		µg/kg dry		*127*		*130*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*172*		µg/kg dry		*127*		*135*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*159*		µg/kg dry		*127*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*134*		µg/kg dry		*127*		*105*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1231343 - General Preparation										
Duplicate (1231343-DUP1)			Source: SB62037-03			Prepared & Analyzed: 20-Dec-12				
% Solids	99.2		%			99.4			0.2	20
Batch 1231344 - General Preparation										
Duplicate (1231344-DUP1)			Source: SB62037-23			Prepared & Analyzed: 20-Dec-12				
% Solids	97.0		%			97.5			0.5	20

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QM3	Multiple analyses indicate the percent recovery exceeds the Quality Control acceptance criteria due to a matrix effect.
QM4	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR5	RPD out of acceptance range.
R01	The Reporting Limit has been raised to account for matrix interference.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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

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

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

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

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

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

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

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

Validated by:
June O'Connor
Kimberly Wisk

CT DAS Rates Apply ✓ SB 62037 By

SPECTRUM ANALYTICAL, INC.
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CHAIN OF CUSTODY RECORD

Page 1 of 6

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

Report To: Henry Lalibote
Telephone #: 860-798-5689
Project Mgr. Henry Lalibote

Invoice To: Same
P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710
Site Name: BIA - Mur - Windsor
Location: Murphy Terminal State: CT
Sampler(s): M Kostrub, G Kaczynski, T Martin

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

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic; 8082/3540 C

Analyses: 8082/3540 C

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540 C	Analyses	State-specific reporting standards:
62037 01	SS-2	12/14/12	1100	G	X1		1			X		Silver Silicone - 2nd Flr
02	SS-3		1155									Silver Silicone - 3rd Flr
03	4-C		1100									C4 - ground Flr - Int
04	20-A		1022									C20 - Ext, Bsmt, South
05	20-B		1024									C20 - Ext, Bsmt, South
06	20-C		1028									C20 - Ext, Bsmt, South
07	21-A		1015									C21 - Ext, Rbside, bsmt
08	21-B		1014									C21 - Ext, Rbside, bsmt
09	21-C		1018									C21 - Ext, Rbside, bsmt
10	22-A		0950									C22 - Ext, grad Flr, South

Relinquished by:	Received by:	Date:	Time:	Temp°C
		12/18/12 1650	12/18/12 1650	
		12/19/12	12/19/12 1010	2.4

☐ EDD Format
☒ E-mail to H Lalibote@trcsolutions.com

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

CT DAS Rates Apply. SB62037 Gy

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 6

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

Report To: _____

Same as page 1

Telephone #: _____

Project Mgr. _____

Invoice To: _____

P.O. No.: _____ RQN: _____

Project No.: 183572.4445.0710

Site Name: BIA - Murphy Terminal

Location: Windsor State: CT

Sampler(s): MK, ~~HB~~ GK, TM

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

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

G=Grab C=Composite

List preservative code below: 11

Containers: # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | 8260C/3540C

Analyses:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8260C/3540C
62037-11	22-B	12/11/12	0910	G	X1			1		X
12	22-C		0855					1		
13	23-A	12/14/12	0955				1			
14	23-B		1010				1			
15	23-C	12/11/12	0844					1		
16	24-A		0930					1		
17	24-B		0934					1		
18	24-C		0940					1		
19	25-A		1115				1			
20	25-B		1130				1			

QA/QC Reporting Notes:
* additional charges may apply

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NYASP A* ☐ NYASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other _____

State-specific reporting standards:

C22-Cond Flr, Ext, Public Side
C22-Cond Flr, Ext, Public Side
C22A-Cond Flr, Ext, Side A, Escalator
C22A-Cond Flr, Ext, Side A, Bus
C22A-Bus, East, Cond Flr
C23-Ext, Wicked Sidb
C23-Ext, Wicked Sidb
C23-Ext, Wicked Sidb
C24-Ext, office area 20/30
C24-Ext, office area 20/30

Relinquished by:	Received by:	Date:	Time:	Temp°C
		12/18/12	1630	
		12/19/12	10:30	
		12/19/12	1510	21

☐ EDD Format _____

☐ E-mail to _____

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

CT PAS Rates Apply / SB 62037 Dy

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 6

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

Report To: _____
Same as Page 1
Telephone #: _____
Project Mgr. _____

Invoice To: _____
P.O. No.: _____ RQN: _____

Project No.: 18352.4445.0710
Site Name: BIA - Murphy Tommel
Location: Windsor State: CT
Sampler(s): MK, GK, TM

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

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

G=Grab C=Composite

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/8540C								State-specific reporting standards:
62037-21	25-C	12/11/12	1140	G	X1		1			X								C24-Ext, other Area, 2nd Fl
22	25-D		1410				1											C24-Ext, 1st Flr Rear, Near S.P.
23	26-A		1035				1	1										C25-Ext, 2nd Flr, Sky Lounge
24	26B		1045				1	1										C25-Ext, 2nd Flr, Sky Lounge
25	26-C		1054				1											C25-2nd Flr, Ext, Sky Lounge
26	27-A		1045				1											C26, Ext, AA
27	27-B		1052				1											C26, Ext, AA
28	27-C		1055				1											C26, Ext, AA
29	29-C	12/10/12	1150					1										C28-Ext, 3rd Flr, Near Wall
30	32-A	12/11/12	1330				1											C31-Ext, 1st Flr Front, East S.P.

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	12/18/12	1650	
[signature]	[signature]	12/19/12	1010	2.1

☐ EDD Format _____
☐ E-mail to _____

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

CT DQA Rules Apply ✓ SB 62037 By

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 6

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
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- Samples disposed of after 60 days unless otherwise instructed.

Report To: _____
Sanexus Page 1
Telephone #: _____
Project Mgr. _____

Invoice To: _____
P.O. No.: _____ RQN: _____

Project No.: 183572.4445.0710
Site Name: BIA-Murphy Terminal
Location: Windsor State: CT
Sampler(s): MK, GK, TM

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

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic; Soil/35%oC

Analyses:

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Soil/35%oC	State-specific reporting standards:
62037-31	32-B	12/11/12	1550	G	X1		1			X	C31-Ext, 1st Flr Rout, EQ+S.P.
32	32-C		1345				1				C31-Ext, 1st Flr Rout, NDPH S.P.
33	36-C	12/14/12	1345		X2		1				WG2-1st Flr, Int, Exc 12+21
34	38-C	12/11/12	1145				1				WG4-Ext, Wickwire Lab
35	39-A	12/10/12	1345				1	1			WG5-Int, 2nd Flr, Rm 50
36	39-B	12/14/12	1121				1				WG5-Int, S.P., 2nd Flr, Rm 305
37	39-C		1135				1				WG5-Int, S.P., 2nd Flr, hallway
38	43-A	12/14/12	0831				1				WG9-Ext, 2nd Flr rout, over S.P.
39	47-A	12/11/12	1030				1				WG13-Ext, AA
40	47-B		1036				1				WG13-Ext, AA

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	12/12/12	1650	
		12/10/12	1510	2.1

☐ EDD Format _____
☐ E-mail to _____

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

CT DAS RAHs Apply 1SB62037 Sy

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 5 of 6

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

Report To: Samples Place I

Telephone #:

Project Mgr.

Invoice To:

P.O. No.: RQN:

Project No.: 183572.4445.0710

Site Name: BFA - Murphy Terminal

Location: Windsor State: CT

Sampler(s): MK, GK, TM

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

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

G=Grab C=Composite

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	X8260/3540C	Analyses:	State-specific reporting standards:
62037-41	47-C	12/11/12	1041	G	X2	6	1			X		W613-Ext, AA
42	50-C	12/14/12	1210			6	1					DWG-1-Int, 3rd Flr Hallway
43	59-A	12/10/12	1320					1				W65A-Int, 3rd Flr Rm 504
44	59-B		1325					1				W65A-Int, 3rd Flr Rm 504
45	59-C		1340					1				W65A-Int, 3rd Flr Rm 504
46	60-A	12/11/12	1005		X1			1				C36-Ext, Wicked Subs
47	60-B		1010					1				C36-Ext, Wicked Subs
48	60-C		1011					1				C36-Ext, Wicked Subs.
49	61-A		1315				1					C31A-Ext-1st Flr Rear, North S.P
50	61-B		1322				1					C31A-Ext-1st Flr Rear, North S.P.

Relinquished by:	Received by:	Date:	Time:	Temp°C
		12/18/12	1650	
		12/19/12	1800	
		12/19/12	1810	21

☐ EDD Format _____

☐ E-mail to _____

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

CT DAS Rates Apply SB62037 Em

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 6 of 6

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

Report To: _____
Samples part 1
Telephone #: _____
Project Mgr. _____

Invoice To: _____
P.O. No.: _____ RQN: _____

Project No.: 183572.4445.0710
Site Name: BEA - Murphy Terminal
Location: Windsor State: CT
Sampler(s): MK, GK, TM

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

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic, Sense/35Yoc

Analyses:

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

QA/QC Reporting Level
☑ Standard ☐ No QC ☐ DQA*
☐ NYASP A* ☐ NYASP 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	Sense/35Yoc	State-specific reporting standards
62037-S1	61-C	12/11/12	1334	G	X1		1			✓	C31A-Ext, 1st flr Rest, North S.P.
S2	62-A		1500		X2		1				Wlb-Ext, Gas, Rm 2nd B - 2nd flr
S3	62-B		1506				1				Wlb-Ext, Sky Lounge, 2nd flr
S4	62-C		1520				1				Wlb-Conf Rm, 2nd flr, Ext.
S5	34-A	12/8/12	1327		X1		1				C-33-Ext, Post 14
S6	34-B		1323				1				C33-
S7	48-A		1320		X2		1				Wb-14-
S8	48-B		1315				1				Wb-14-
S9	33-A		1317		X1		1				C32-
60	33-B		1321				1				C32-

Relinquished by:	Received by:	Date:	Time:	Temp°C
		12/8/12	1650	
		12/10/12	1859	21

☐ EDD Format _____
☐ E-mail to _____

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

Report Date:
04-Oct-13 13:34

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: Conn DOT - Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB77815-01	1-W613	Caulk	01-Oct-13 09:10	02-Oct-13 17:40
SB77815-02	2-W613	Caulk	01-Oct-13 09:15	02-Oct-13 17:40
SB77815-03	3-W613	Caulk	01-Oct-13 09:20	02-Oct-13 17:40
SB77815-04	4-W610	Caulk	01-Oct-13 09:38	02-Oct-13 17:40
SB77815-05	5-W610	Caulk	01-Oct-13 09:41	02-Oct-13 17:40

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

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

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 12 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

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

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Conn DOT - Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
10/1/2013

Laboratory Sample ID(s):
SB77815-01 through SB77815-05

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: **For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."**

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 10/4/2013

CASE NARRATIVE:

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.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

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

SW846 8082A

Spikes:

1323830-MSD1 *Source: SB77815-05*

The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

Aroclor-1016
Aroclor-1016 [2C]

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr)

Sample Acceptance Check Form

Client:	TRC - Windsor, CT
Project:	Conn DOT - Windsor Locks, CT / 183572.4445.0710
Work Order:	SB77815
Sample(s) received on:	10/2/2013
Received by:	Jessica Hoffman

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

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1-W613 [illegible]815-01	183572.4445.0710	Caulk	01-Oct-13 09:10	02-Oct-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 181		µg/kg dry	181	136	1	SW846 8082A	02-Oct-13	03-Oct-13	BLM	1323830	X
11104-28-2	Aroclor-1221	< 181		µg/kg dry	181	163	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 181		µg/kg dry	181	116	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 181		µg/kg dry	181	109	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 181		µg/kg dry	181	94.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 181		µg/kg dry	181	151	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 181		µg/kg dry	181	113	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 181		µg/kg dry	181	169	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 181		µg/kg dry	181	74.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*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]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	03-Oct-13	03-Oct-13	DT	1323923	

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

* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
2-W613	183572.4445.0710	Caulk	01-Oct-13 09:15	02-Oct-13
SB77815-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 149		µg/kg dry	149	111	1	SW846 8082A	02-Oct-13	03-Oct-13	BLM	1323830	X
11104-28-2	Aroclor-1221	< 149		µg/kg dry	149	134	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 149		µg/kg dry	149	95.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 149		µg/kg dry	149	89.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 149		µg/kg dry	149	77.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 149		µg/kg dry	149	124	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 149		µg/kg dry	149	92.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 149		µg/kg dry	149	138	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 149		µg/kg dry	149	61.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	03-Oct-13	03-Oct-13	DT	1323923	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
3-W613 [illegible]15-03	183572.4445.0710	Caulk	01-Oct-13 09:20	02-Oct-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 112		µg/kg dry	112	83.3	1	SW846 8082A	02-Oct-13	03-Oct-13	BLM	1323830	X
11104-28-2	Aroclor-1221	< 112		µg/kg dry	112	100	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 112		µg/kg dry	112	71.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 112		µg/kg dry	112	67.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 112		µg/kg dry	112	58.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 112		µg/kg dry	112	93.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 112		µg/kg dry	112	69.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 112		µg/kg dry	112	104	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 112		µg/kg dry	112	46.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*30*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	03-Oct-13	03-Oct-13	DT	1323923	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
4-W610	183572.4445.0710	Caulk	01-Oct-13 09:38	02-Oct-13
SB77815-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 128		µg/kg dry	128	95.6	1	SW846 8082A	02-Oct-13	03-Oct-13	BLM	1323830	X
11104-28-2	Aroclor-1221	< 128		µg/kg dry	128	115	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 128		µg/kg dry	128	82.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 128		µg/kg dry	128	77.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 128		µg/kg dry	128	66.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 128		µg/kg dry	128	107	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 128		µg/kg dry	128	79.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 128		µg/kg dry	128	119	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 128		µg/kg dry	128	52.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*40*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	03-Oct-13	03-Oct-13	DT	1323923	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
5-W610 [illegible]815-05	183572.4445.0710	Caulk	01-Oct-13 09:41	02-Oct-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 167		µg/kg dry	167	125	1	SW846 8082A	02-Oct-13	03-Oct-13	BLM	1323830	X
11104-28-2	Aroclor-1221	< 167		µg/kg dry	167	151	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 167		µg/kg dry	167	107	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 167		µg/kg dry	167	101	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 167		µg/kg dry	167	86.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 167		µg/kg dry	167	139	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 167		µg/kg dry	167	104	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 167		µg/kg dry	167	156	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 167		µg/kg dry	167	69.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	03-Oct-13	03-Oct-13	DT	1323923	

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* Reportable Detection Limit

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1323830 - SW846 3540C										
Blank (1323830-BLK1)					Prepared: 02-Oct-13 Analyzed: 03-Oct-13					
Aroclor-1016	< 200		µg/kg wet	200						
Aroclor-1016 [2C]	< 200		µg/kg wet	200						
Aroclor-1221	< 200		µg/kg wet	200						
Aroclor-1221 [2C]	< 200		µg/kg wet	200						
Aroclor-1232	< 200		µg/kg wet	200						
Aroclor-1232 [2C]	< 200		µg/kg wet	200						
Aroclor-1242	< 200		µg/kg wet	200						
Aroclor-1242 [2C]	< 200		µg/kg wet	200						
Aroclor-1248	< 200		µg/kg wet	200						
Aroclor-1248 [2C]	< 200		µg/kg wet	200						
Aroclor-1254	< 200		µg/kg wet	200						
Aroclor-1254 [2C]	< 200		µg/kg wet	200						
Aroclor-1260	< 200		µg/kg wet	200						
Aroclor-1260 [2C]	< 200		µg/kg wet	200						
Aroclor-1262	< 200		µg/kg wet	200						
Aroclor-1262 [2C]	< 200		µg/kg wet	200						
Aroclor-1268	< 200		µg/kg wet	200						
Aroclor-1268 [2C]	< 200		µg/kg wet	200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*200*		µg/kg wet		*200*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*190*		µg/kg wet		*200*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*180*		µg/kg wet		*200*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*170*		µg/kg wet		*200*		*85*	*30-150*		
LCS (1323830-BS1)					Prepared: 02-Oct-13 Analyzed: 03-Oct-13					
Aroclor-1016	**2370**		µg/kg wet	200	2500		95	40-140		
Aroclor-1016 [2C]	**2300**		µg/kg wet	200	2500		92	40-140		
Aroclor-1260	**2350**		µg/kg wet	200	2500		94	40-140		
Aroclor-1260 [2C]	**2560**		µg/kg wet	200	2500		102	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*200*		µg/kg wet		*200*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*190*		µg/kg wet		*200*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*170*		µg/kg wet		*200*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*170*		µg/kg wet		*200*		*85*	*30-150*		
LCS Dup (1323830-BSD1)					Prepared: 02-Oct-13 Analyzed: 03-Oct-13					
Aroclor-1016	**2340**		µg/kg wet	200	2500		94	40-140	1	30
Aroclor-1016 [2C]	**2300**		µg/kg wet	200	2500		92	40-140	0	30
Aroclor-1260	**2330**		µg/kg wet	200	2500		93	40-140	0.9	30
Aroclor-1260 [2C]	**2560**		µg/kg wet	200	2500		102	40-140	0	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*190*		µg/kg wet		*200*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*190*		µg/kg wet		*200*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*170*		µg/kg wet		*200*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*170*		µg/kg wet		*200*		*85*	*30-150*		
Duplicate (1323830-DUP1)			**Source: SB77815-05**			Prepared: 02-Oct-13 Analyzed: 03-Oct-13				
Aroclor-1016	< 155		µg/kg dry	155		BRL				30
Aroclor-1016 [2C]	< 155		µg/kg dry	155		BRL				30
Aroclor-1221	< 155		µg/kg dry	155		BRL				30
Aroclor-1221 [2C]	< 155		µg/kg dry	155		BRL				30
Aroclor-1232	< 155		µg/kg dry	155		BRL				30
Aroclor-1232 [2C]	< 155		µg/kg dry	155		BRL				30
Aroclor-1242	< 155		µg/kg dry	155		BRL				30
Aroclor-1242 [2C]	< 155		µg/kg dry	155		BRL				30
Aroclor-1248	< 155		µg/kg dry	155		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1323830 - SW846 3540C										
Duplicate (1323830-DUP1)			Source: SB77815-05			Prepared: 02-Oct-13 Analyzed: 03-Oct-13				
Aroclor-1248 [2C]	< 155		µg/kg dry	155		BRL				30
Aroclor-1254	< 155		µg/kg dry	155		BRL				30
Aroclor-1254 [2C]	< 155		µg/kg dry	155		BRL				30
Aroclor-1260	< 155		µg/kg dry	155		BRL				30
Aroclor-1260 [2C]	< 155		µg/kg dry	155		BRL				30
Aroclor-1262	< 155		µg/kg dry	155		BRL				30
Aroclor-1262 [2C]	< 155		µg/kg dry	155		BRL				30
Aroclor-1268	< 155		µg/kg dry	155		BRL				30
Aroclor-1268 [2C]	< 155		µg/kg dry	155		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*179*		µg/kg dry		*155*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*148*		µg/kg dry		*155*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*46.6*		µg/kg dry		*155*		*30*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*77.7*		µg/kg dry		*155*		*50*	*30-150*		
Matrix Spike (1323830-MS1)			Source: SB77815-05			Prepared: 02-Oct-13 Analyzed: 03-Oct-13				
Aroclor-1016	**1500**		µg/kg dry	188	2350	BRL	64	40-140		
Aroclor-1016 [2C]	**3280**		µg/kg dry	188	2350	BRL	139	40-140		
Aroclor-1260	**1990**		µg/kg dry	188	2350	BRL	84	40-140		
Aroclor-1260 [2C]	**1360**		µg/kg dry	188	2350	BRL	58	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*282*		µg/kg dry		*188*		*150*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*160*		µg/kg dry		*188*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*94.2*		µg/kg dry		*188*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*65.9*		µg/kg dry		*188*		*35*	*30-150*		
Matrix Spike Dup (1323830-MSD1)			Source: SB77815-05			Prepared: 02-Oct-13 Analyzed: 03-Oct-13				
Aroclor-1016	**1720**	QR2	µg/kg dry	142	1770	BRL	97	40-140	41	30
Aroclor-1016 [2C]	**1710**	QR2	µg/kg dry	142	1770	BRL	96	40-140	36	30
Aroclor-1260	**1710**		µg/kg dry	142	1770	BRL	96	40-140	13	30
Aroclor-1260 [2C]	**859**		µg/kg dry	142	1770	BRL	48	40-140	17	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*362*	S02	µg/kg dry		*142*		*255*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*177*		µg/kg dry		*142*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*121*		µg/kg dry		*142*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*128*		µg/kg dry		*142*		*90*	*30-150*		

Notes and Definitions

QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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

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

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

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

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

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

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

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

Validated by:
Kimberly Wisk
Rebecca Merz

Utilize CT RCP Rates

/ DB77815 R4

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 2 Day TAT
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: TRC Environmental Corp
21 Griffin Rd, North
Windsor, CT 06095

Telephone #: 860-298-9692
Project Mgr. Henry Lalibarte

Invoice To: (See Report)

P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710
Site Name: ConDOT-BIA-Murphy Terminal
Location: Windsor Locks State: CT
Sampler(s): G. Kaczynski

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

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C							
SDTRIS-01	1-W613	10/1/13	0910	G	X1			1		X							
-02	2-W613	10/1/13	0915							X							
-03	3-W613		0920							X							
-04	4-W610		0938				1			X							
-05	5-W610		0941							X							

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

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

State-specific reporting standards:
Extension - 15th Ave - outlate 62A-C
Hall 2C window

09/11/01 IR

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	10/2/13	0951	
[signature]	[signature]	10/2/13	1740	

☐ EDD Format
☒ E-mail to HLalibarte@TRCsolutions.com
GKaczynski@TRCsolutions.com

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

APPENDIX B

Substrate and Ground Cover Analytical Data Reports

Report Date:
03-Sep-13 14:53

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY
Laboratory Report

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

#1
Concourse A

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: BIA-Concourse A-Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB75688-01	CA-CO1	Concrete	22-Aug-13 11:35	27-Aug-13 10:40
SB75688-02	CA-CO2	Concrete	22-Aug-13 11:28	27-Aug-13 10:40
SB75688-03	CA-CO3	Concrete	22-Aug-13 11:40	27-Aug-13 10:40
SB75688-04	CA-CO4	Concrete	22-Aug-13 14:18	27-Aug-13 10:40
SB75688-05	CA-CO5	Concrete	22-Aug-13 14:10	27-Aug-13 10:40
SB75688-06	CA-CO6	Concrete	22-Aug-13 14:25	27-Aug-13 10:40
SB75688-07	CA-CO7	Concrete	22-Aug-13 15:00	27-Aug-13 10:40
SB75688-08	CA-CO8	Concrete	22-Aug-13 15:04	27-Aug-13 10:40
SB75688-09	CA-CO9	Concrete	22-Aug-13 15:06	27-Aug-13 10:40
SB75688-10	CA-CO10	Concrete	22-Aug-13 15:07	27-Aug-13 10:40
SB75688-11	CA-CO11	Concrete	22-Aug-13 15:07	27-Aug-13 10:40
SB75688-12	CA-CO12	Concrete	22-Aug-13 15:09	27-Aug-13 10:40
SB75688-13	CA-CO 13	Concrete	22-Aug-13 15:34	27-Aug-13 10:40
SB75688-14	CA-CO 14	Concrete	22-Aug-13 15:37	27-Aug-13 10:40
SB75688-15	CA-CO 15	Concrete	23-Aug-13 10:48	27-Aug-13 10:40
SB75688-16	CA-CO 16	Concrete	23-Aug-13 10:50	27-Aug-13 10:40
SB75688-17	CA-CO 17	Concrete	23-Aug-13 10:53	27-Aug-13 10:40
SB75688-18	CA-CO 18	Concrete	23-Aug-13 10:56	27-Aug-13 10:40
SB75688-19	CA-CO 19	Concrete	23-Aug-13 10:59	27-Aug-13 10:40
SB75688-20	CA-CO 20	Concrete	23-Aug-13 11:03	27-Aug-13 10:40
SB75688-21	CA-CO 21	Concrete	23-Aug-13 11:07	27-Aug-13 10:40
SB75688-22	CA-CO 22	Concrete	23-Aug-13 11:11	27-Aug-13 10:40
SB75688-23	CA-CO 23	Concrete	23-Aug-13 11:25	27-Aug-13 10:40
SB75688-24	CA-CO 24	Concrete	23-Aug-13 11:28	27-Aug-13 10:40
SB75688-25	CA-CO 25	Concrete	23-Aug-13 11:31	27-Aug-13 10:40
SB75688-26	CA-CO 26	Concrete	23-Aug-13 11:34	27-Aug-13 10:40
SB75688-27	CA-CO 27	Concrete	23-Aug-13 11:37	27-Aug-13 10:40
SB75688-28	CA-CO 28	Concrete	23-Aug-13 11:40	27-Aug-13 10:40
SB75688-29	CA-CO 29	Concrete	23-Aug-13 11:43	27-Aug-13 10:40
SB75688-30	CA-CO 30	Concrete	23-Aug-13 13:40	27-Aug-13 10:40
SB75688-31	CA-CO 31	Concrete	23-Aug-13 13:43	27-Aug-13 10:40
SB75688-32	CA-CO 32	Concrete	23-Aug-13 13:46	27-Aug-13 10:40
SB75688-33	CA-CO 33	Concrete	23-Aug-13 13:49	27-Aug-13 10:40
SB75688-34	CA-CO 34	Concrete	23-Aug-13 13:53	27-Aug-13 10:40
SB75688-35	CA-CO 35	Concrete	23-Aug-13 13:54	27-Aug-13 10:40
SB75688-36	CA-CO 36	Concrete	23-Aug-13 14:01	27-Aug-13 10:40
SB75688-37	CA-CO 37	Concrete	23-Aug-13 14:05	27-Aug-13 10:40

SB75688-38	CA-CO 38	Concrete	23-Aug-13 14:08	27-Aug-13 10:40
SB75688-39	CA-CO 39	Concrete	23-Aug-13 14:12	27-Aug-13 10:40
SB75688-40	CA-CO 40	Concrete	23-Aug-13 14:17	27-Aug-13 10:40
SB75688-41	CA-CO 41	Concrete	23-Aug-13 14:21	27-Aug-13 10:40
SB75688-42	CA-CO 42	Concrete	23-Aug-13 14:25	27-Aug-13 10:40
SB75688-43	CA-CO 43	Concrete	23-Aug-13 15:05	27-Aug-13 10:40
SB75688-44	CA-CO 44	Concrete	23-Aug-13 15:09	27-Aug-13 10:40
SB75688-45	CA-CO 45	Concrete	23-Aug-13 15:13	27-Aug-13 10:40
SB75688-46	CA-CO 46	Concrete	23-Aug-13 15:18	27-Aug-13 10:40
SB75688-47	CA-CO 47	Concrete	23-Aug-13 15:22	27-Aug-13 10:40
SB75688-48	CA-CO 48	Concrete	23-Aug-13 15:30	27-Aug-13 10:40
SB75688-49	CA-S1	Soil	22-Aug-13 13:12	27-Aug-13 10:40
SB75688-50	CA-S2	Soil	22-Aug-13 13:15	27-Aug-13 10:40
SB75688-51	CA-S3	Soil	22-Aug-13 13:18	27-Aug-13 10:40
SB75688-52	CA-S4	Soil	22-Aug-13 13:34	27-Aug-13 10:40
SB75688-53	CA-S5	Soil	22-Aug-13 13:38	27-Aug-13 10:40
SB75688-54	CA-S6	Soil	22-Aug-13 13:42	27-Aug-13 10:40
SB75688-55	CA-S7	Soil	22-Aug-13 13:50	27-Aug-13 10:40
SB75688-56	CA-S8	Soil	22-Aug-13 13:50	27-Aug-13 10:40
SB75688-57	CA-S9	Soil	23-Aug-13 09:55	27-Aug-13 10:40
SB75688-58	CA-S10	Soil	23-Aug-13 09:56	27-Aug-13 10:40
SB75688-59	CA-S11	Soil	23-Aug-13 09:58	27-Aug-13 10:40
SB75688-60	CA-A1	Asphalt	22-Aug-13 14:33	27-Aug-13 10:40
SB75688-61	CA-A2	Asphalt	22-Aug-13 15:45	27-Aug-13 10:40
SB75688-62	CA-A3	Asphalt	23-Aug-13 11:46	27-Aug-13 10:40
SB75688-63	CA-C5-SHR 1-0"	Sheetrock	22-Aug-13 10:15	27-Aug-13 10:40
SB75688-64	CA-C6-CM1-0"	Concrete	22-Aug-13 10:12	27-Aug-13 10:40
SB75688-65	CA-C6-CM1-3"	Concrete	22-Aug-13 10:08	27-Aug-13 10:40
SB75688-66	CA-C6-CM1-6"	Concrete	22-Aug-13 10:04	27-Aug-13 10:40
SB75688-67	CA-C6-CM1-12"	Concrete	22-Aug-13 10:00	27-Aug-13 10:40
SB75688-68	CA-C6-CM2-0"	Concrete	22-Aug-13 11:07	27-Aug-13 10:40
SB75688-69	CA-C6-CM2-3"	Concrete	22-Aug-13 11:04	27-Aug-13 10:40
SB75688-70	CA-C6-CM2-6"	Concrete	22-Aug-13 11:00	27-Aug-13 10:40
SB75688-71	CA-C6-CM2-12"	Concrete	22-Aug-13 10:56	27-Aug-13 10:40
SB75688-72	CA-C8-BR1-0"	Brick	23-Aug-13 10:42	27-Aug-13 10:40
SB75688-73	CA-C8-BR2-0"	Brick	23-Aug-13 13:00	27-Aug-13 10:40
SB75688-74	CA-WCA-CT1-0"	Ceramic	22-Aug-13 10:28	27-Aug-13 10:40
SB75688-75	CA-WCA-CT1-3"	Ceramic	22-Aug-13 10:24	27-Aug-13 10:40
SB75688-76	CA-WCA-CO1-0"	Concrete	22-Aug-13 14:55	27-Aug-13 10:40
SB75688-77	CA-WCA-CO1-3"	Concrete	22-Aug-13 14:53	27-Aug-13 10:40
SB75688-78	CA-WCA-CO2-0"	Concrete	22-Aug-13 15:32	27-Aug-13 10:40
SB75688-79	CA-WCA-CO2-3"	Concrete	22-Aug-13 15:27	27-Aug-13 10:40
SB75688-80	CA-WCA-BR1-0"	Brick	23-Aug-13 10:38	27-Aug-13 10:40
SB75688-81	CA-WCA-BR1-3"	Brick	23-Aug-13 10:35	27-Aug-13 10:40
SB75688-82	CA-WCA-BR2-0"	Brick	23-Aug-13 13:06	27-Aug-13 10:40
SB75688-83	CA-WCA-BR2-3"	Brick	23-Aug-13 13:03	27-Aug-13 10:40
SB75688-84	CA-WCA-CM1-0"	Concrete	22-Aug-13 10:45	27-Aug-13 10:40
SB75688-85	CA-WCA-CM1-3"	Concrete	22-Aug-13 10:42	27-Aug-13 10:40
SB75688-86	CA-WCA-CM2-0"	Concrete	22-Aug-13 14:51	27-Aug-13 10:40
SB75688-87	CA-WCA-CM2-3"	Concrete	22-Aug-13 14:49	27-Aug-13 10:40
SB75688-88	CA-WCA-CM2-6"	Concrete	22-Aug-13 14:45	27-Aug-13 10:40
SB75688-89	CA-WCA-GB1-0"	Concrete	22-Aug-13 09:33	27-Aug-13 10:40

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

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

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 107 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

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

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: BIA-Concourse A-Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
8/22/2013 through 8/23/2013

Laboratory Sample ID(s):
SB75688-01 through SB75688-90

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 9/3/2013

CASE NARRATIVE:

The samples were received 4.0 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.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

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

SW846 8082A

Samples:

SB75688-56 *CA-S8*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr)

SB75688-66 *CA-C6-CM1-6"*

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

SB75688-68 *CA-C6-CM2-0"*

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

SB75688-69 *CA-C6-CM2-3"*

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

Sample Acceptance Check Form

Client:	TRC - Windsor, CT
Project:	BIA-Concourse A-Windsor Locks, CT / 183572.4445.0710
Work Order:	SB75688
Sample(s) received on:	8/27/2013
Received by:	Jessica Hoffman

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

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO1	183572.4445.0710	Concrete	22-Aug-13 11:35	27-Aug-13
SB75688-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 55.0		µg/kg dry	55.0	41.1	1	SW846 8082A	27-Aug-13	30-Aug-13	IMR	1320625	X
11104-28-2	Aroclor-1221	< 55.0		µg/kg dry	55.0	49.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.0		µg/kg dry	55.0	35.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.0		µg/kg dry	55.0	33.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.0		µg/kg dry	55.0	28.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 55.0		µg/kg dry	55.0	45.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 55.0		µg/kg dry	55.0	34.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 55.0		µg/kg dry	55.0	51.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 55.0		µg/kg dry	55.0	22.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.1		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320714	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO2 SP75688-02	183572.4445.0710	Concrete	22-Aug-13 11:28	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 53.0		µg/kg dry	53.0	39.6	1	SW846 8082A	27-Aug-13	30-Aug-13	IMR	1320625	X
11104-28-2	Aroclor-1221	< 53.0		µg/kg dry	53.0	47.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 53.0		µg/kg dry	53.0	34.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 53.0		µg/kg dry	53.0	31.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 53.0		µg/kg dry	53.0	27.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 53.0		µg/kg dry	53.0	44.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 53.0		µg/kg dry	53.0	32.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 53.0		µg/kg dry	53.0	49.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 53.0		µg/kg dry	53.0	21.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.0		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320714	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO3 SB75688-03	183572.4445.0710	Concrete	22-Aug-13 11:40	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cer
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.2		µg/kg dry	60.2	45.0	1	SW846 8082A	27-Aug-13	30-Aug-13	IMR	1320625	X
11104-28-2	Aroclor-1221	< 60.2		µg/kg dry	60.2	54.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.2		µg/kg dry	60.2	38.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.2		µg/kg dry	60.2	36.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.2		µg/kg dry	60.2	31.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.2		µg/kg dry	60.2	50.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.2		µg/kg dry	60.2	37.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.2		µg/kg dry	60.2	56.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.2		µg/kg dry	60.2	24.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.0		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320714	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO4 S[illegible]688-04	183572.4445.0710	Concrete	22-Aug-13 14:18	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 54.0		µg/kg dry	54.0	40.3	1	SW846 8082A	27-Aug-13	30-Aug-13	IMR	1320625	X
11104-28-2	Aroclor-1221	< 54.0		µg/kg dry	54.0	48.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 54.0		µg/kg dry	54.0	34.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.0		µg/kg dry	54.0	32.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 54.0		µg/kg dry	54.0	28.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 54.0		µg/kg dry	54.0	45.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 54.0		µg/kg dry	54.0	33.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 54.0		µg/kg dry	54.0	50.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54.0		µg/kg dry	54.0	22.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	95.7		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320714	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO5				
SB75688-05	183572.4445.0710	Concrete	22-Aug-13 14:10	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.3		µg/kg dry	62.3	46.6	1	SW846 8082A	27-Aug-13	30-Aug-13	IMR	1320625	X
11104-28-2	Aroclor-1221	< 62.3		µg/kg dry	62.3	56.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.3		µg/kg dry	62.3	40.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.3		µg/kg dry	62.3	37.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.3		µg/kg dry	62.3	32.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.3		µg/kg dry	62.3	52.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.3		µg/kg dry	62.3	38.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.3		µg/kg dry	62.3	58.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.3		µg/kg dry	62.3	25.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.8		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320714	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO6	183572.4445.0710	Concrete	22-Aug-13 14:25	27-Aug-13
SP75688-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.2		µg/kg dry	61.2	45.7	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320626	X
11104-28-2	Aroclor-1221	< 61.2		µg/kg dry	61.2	55.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.2		µg/kg dry	61.2	39.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.2		µg/kg dry	61.2	36.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.2		µg/kg dry	61.2	31.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.2		µg/kg dry	61.2	51.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.2		µg/kg dry	61.2	37.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.2		µg/kg dry	61.2	57.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.2		µg/kg dry	61.2	25.2	1	"	"	"	"	"	X
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)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.7		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320714	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO7 SB75688-07	183572.4445.0710	Concrete	22-Aug-13 15:00	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.1		µg/kg dry	61.1	45.6	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320626	X
11104-28-2	Aroclor-1221	< 61.1		µg/kg dry	61.1	55.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.1		µg/kg dry	61.1	39.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.1		µg/kg dry	61.1	36.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.1		µg/kg dry	61.1	31.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.1		µg/kg dry	61.1	50.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.1		µg/kg dry	61.1	37.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.1		µg/kg dry	61.1	56.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.1		µg/kg dry	61.1	25.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320714	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO8	183572.4445.0710	Concrete	22-Aug-13 15:04	27-Aug-13
SB75688-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.6		µg/kg dry	65.6	49.0	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320626	X
11104-28-2	Aroclor-1221	< 65.6		µg/kg dry	65.6	59.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.6		µg/kg dry	65.6	42.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.6		µg/kg dry	65.6	39.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.6		µg/kg dry	65.6	34.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.6		µg/kg dry	65.6	54.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.6		µg/kg dry	65.6	40.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.6		µg/kg dry	65.6	61.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.6		µg/kg dry	65.6	27.0	1	"	"	"	"	"	X
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)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320714	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO9	183572.4445.0710	Concrete	22-Aug-13 15:06	27-Aug-13
SB75688-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 54.0		µg/kg dry	54.0	40.4	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320626	X
11104-28-2	Aroclor-1221	< 54.0		µg/kg dry	54.0	48.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 54.0		µg/kg dry	54.0	34.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.0		µg/kg dry	54.0	32.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 54.0		µg/kg dry	54.0	28.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 54.0		µg/kg dry	54.0	45.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 54.0		µg/kg dry	54.0	33.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 54.0		µg/kg dry	54.0	50.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54.0		µg/kg dry	54.0	22.3	1	"	"	"	"	"	X
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)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.7		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320714	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO10	183572.4445.0710	Concrete	22-Aug-13 15:07	27-Aug-13
SB75688-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.5		µg/kg dry	63.5	47.4	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320626	X
11104-28-2	Aroclor-1221	< 63.5		µg/kg dry	63.5	57.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.5		µg/kg dry	63.5	40.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.5		µg/kg dry	63.5	38.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.5		µg/kg dry	63.5	33.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.5		µg/kg dry	63.5	52.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.5		µg/kg dry	63.5	39.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.5		µg/kg dry	63.5	59.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.5		µg/kg dry	63.5	26.2	1	"	"	"	"	"	X
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)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.0		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320714	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO11	183572.4445.0710	Concrete	22-Aug-13 15:07	27-Aug-13
SB75688-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.1		µg/kg dry	57.1	42.6	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320626	X
11104-28-2	Aroclor-1221	< 57.1		µg/kg dry	57.1	51.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.1		µg/kg dry	57.1	36.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.1		µg/kg dry	57.1	34.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.1		µg/kg dry	57.1	29.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 57.1		µg/kg dry	57.1	47.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.1		µg/kg dry	57.1	35.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.1		µg/kg dry	57.1	53.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.1		µg/kg dry	57.1	23.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.9		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320714	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO12	183572.4445.0710	Concrete	22-Aug-13 15:09	27-Aug-13
SD75688-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.1		µg/kg dry	57.1	42.6	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320626	X
11104-28-2	Aroclor-1221	< 57.1		µg/kg dry	57.1	51.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.1		µg/kg dry	57.1	36.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.1		µg/kg dry	57.1	34.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.1		µg/kg dry	57.1	29.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 57.1		µg/kg dry	57.1	47.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.1		µg/kg dry	57.1	35.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1282	< 57.1		µg/kg dry	57.1	53.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.1		µg/kg dry	57.1	23.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.3		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320714	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 13	183572.4445.0710	Concrete	22-Aug-13 15:34	27-Aug-13
SB75688-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.1		µg/kg dry	65.1	48.6	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320626	X
11104-28-2	Aroclor-1221	< 65.1		µg/kg dry	65.1	58.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.1		µg/kg dry	65.1	41.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.1		µg/kg dry	65.1	39.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.1		µg/kg dry	65.1	33.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.1		µg/kg dry	65.1	54.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.1		µg/kg dry	65.1	40.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.1		µg/kg dry	65.1	60.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.1		µg/kg dry	65.1	26.9	1	"	"	"	"	"	X
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)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320714	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 14	183572.4445.0710	Concrete	22-Aug-13 15:37	27-Aug-13
SB75688-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 51.8		µg/kg dry	51.8	38.7	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320626	X
11104-28-2	Aroclor-1221	< 51.8		µg/kg dry	51.8	46.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 51.8		µg/kg dry	51.8	33.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 51.8		µg/kg dry	51.8	31.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 51.8		µg/kg dry	51.8	26.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 51.8		µg/kg dry	51.8	43.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 51.8		µg/kg dry	51.8	32.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 51.8		µg/kg dry	51.8	48.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 51.8		µg/kg dry	51.8	21.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320714	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 15 SB75688-15	183572.4445.0710	Concrete	23-Aug-13 10:48	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.9		µg/kg dry	61.9	46.2	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320626	X
11104-28-2	Aroclor-1221	< 61.9		µg/kg dry	61.9	55.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.9		µg/kg dry	61.9	39.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.9		µg/kg dry	61.9	37.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.9		µg/kg dry	61.9	32.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.9		µg/kg dry	61.9	51.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.9		µg/kg dry	61.9	38.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.9		µg/kg dry	61.9	57.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.9		µg/kg dry	61.9	25.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320714	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 16 SP75688-16	183572.4445.0710	Concrete	23-Aug-13 10:50	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.3		µg/kg dry	61.3	45.8	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320626	X
11104-28-2	Aroclor-1221	< 61.3		µg/kg dry	61.3	55.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.3		µg/kg dry	61.3	39.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.3		µg/kg dry	61.3	36.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.3		µg/kg dry	61.3	31.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.3		µg/kg dry	61.3	51.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.3		µg/kg dry	61.3	38.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.3		µg/kg dry	61.3	57.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.3		µg/kg dry	61.3	25.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320714	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 17	183572.4445.0710	Concrete	23-Aug-13 10:53	27-Aug-13
SB75688-17				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.5		µg/kg dry	60.5	45.2	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320626	X
11104-28-2	Aroclor-1221	< 60.5		µg/kg dry	60.5	54.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.5		µg/kg dry	60.5	38.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.5		µg/kg dry	60.5	36.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.5		µg/kg dry	60.5	31.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.5		µg/kg dry	60.5	50.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.5		µg/kg dry	60.5	37.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.5		µg/kg dry	60.5	56.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.5		µg/kg dry	60.5	24.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.0		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320714	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 18 SD75688-18	183572.4445.0710	Concrete	23-Aug-13 10:56	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.4		µg/kg dry	59.4	44.4	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320628	X
11104-28-2	Aroclor-1221	< 59.4		µg/kg dry	59.4	53.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.4		µg/kg dry	59.4	38.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.4		µg/kg dry	59.4	35.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.4		µg/kg dry	59.4	30.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 59.4		µg/kg dry	59.4	49.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.4		µg/kg dry	59.4	36.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.4		µg/kg dry	59.4	55.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.4		µg/kg dry	59.4	24.5	1	"	"	"	"	"	X
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)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320714	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 19 SB75688-19	183572.4445.0710	Concrete	23-Aug-13 10:59	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.4		µg/kg dry	59.4	44.4	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320626	X
11104-28-2	Aroclor-1221	< 59.4		µg/kg dry	59.4	53.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.4		µg/kg dry	59.4	38.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.4		µg/kg dry	59.4	35.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.4		µg/kg dry	59.4	30.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 59.4		µg/kg dry	59.4	49.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.4		µg/kg dry	59.4	36.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.4		µg/kg dry	59.4	55.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.4		µg/kg dry	59.4	24.5	1	"	"	"	"	"	X
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)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.2		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320714	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 20	183572.4445.0710	Concrete	23-Aug-13 11:03	27-Aug-13
688-20				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.5		µg/kg dry	59.5	44.5	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320626	X
11104-28-2	Aroclor-1221	< 59.5		µg/kg dry	59.5	53.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.5		µg/kg dry	59.5	38.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.5		µg/kg dry	59.5	35.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.5		µg/kg dry	59.5	30.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 59.5		µg/kg dry	59.5	49.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.5		µg/kg dry	59.5	36.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.5		µg/kg dry	59.5	55.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.5		µg/kg dry	59.5	24.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320714	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 21	183572.4445.0710	Concrete	23-Aug-13 11:07	27-Aug-13
SB75688-21				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.7		µg/kg dry	64.7	48.3	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320626	X
11104-28-2	Aroclor-1221	< 64.7		µg/kg dry	64.7	58.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.7		µg/kg dry	64.7	41.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.7		µg/kg dry	64.7	38.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.7		µg/kg dry	64.7	33.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.7		µg/kg dry	64.7	53.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.7		µg/kg dry	64.7	40.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.7		µg/kg dry	64.7	60.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.7		µg/kg dry	64.7	26.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320715	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 22 [illegible]688-22	183572.4445.0710	Concrete	23-Aug-13 11:11	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.1		µg/kg dry	62.1	46.4	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320626	X
11104-28-2	Aroclor-1221	< 62.1		µg/kg dry	62.1	55.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.1		µg/kg dry	62.1	39.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.1		µg/kg dry	62.1	37.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.1		µg/kg dry	62.1	32.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.1		µg/kg dry	62.1	51.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.1		µg/kg dry	62.1	38.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.1		µg/kg dry	62.1	57.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.1		µg/kg dry	62.1	25.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320715	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 23 SB75688-23	183572.4445.0710	Concrete	23-Aug-13 11:25	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 53.7		µg/kg dry	53.7	40.1	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320626	X
11104-28-2	Aroclor-1221	< 53.7		µg/kg dry	53.7	48.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 53.7		µg/kg dry	53.7	34.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 53.7		µg/kg dry	53.7	32.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 53.7		µg/kg dry	53.7	27.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 53.7		µg/kg dry	53.7	44.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 53.7		µg/kg dry	53.7	33.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 53.7		µg/kg dry	53.7	50.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 53.7		µg/kg dry	53.7	22.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320715	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 24 [redacted]688-24	183572.4445.0710	Concrete	23-Aug-13 11:28	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.7		µg/kg dry	64.7	48.3	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320626	X
11104-28-2	Aroclor-1221	< 64.7		µg/kg dry	64.7	58.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.7		µg/kg dry	64.7	41.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.7		µg/kg dry	64.7	38.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.7		µg/kg dry	64.7	33.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.7		µg/kg dry	64.7	53.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.7		µg/kg dry	64.7	40.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.7		µg/kg dry	64.7	60.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.7		µg/kg dry	64.7	26.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320715	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 25	183572.4445.0710	Concrete	23-Aug-13 11:31	27-Aug-13
SB75688-25				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.8		µg/kg dry	57.8	43.2	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320626	X
11104-28-2	Aroclor-1221	< 57.8		µg/kg dry	57.8	52.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.8		µg/kg dry	57.8	37.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.8		µg/kg dry	57.8	34.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.8		µg/kg dry	57.8	30.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 57.8		µg/kg dry	57.8	48.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.8		µg/kg dry	57.8	35.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.8		µg/kg dry	57.8	53.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.8		µg/kg dry	57.8	23.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320715	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 26 [illegible]688-26	183572.4445.0710	Concrete	23-Aug-13 11:34	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 67.2		µg/kg dry	67.2	50.2	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320629	X
11104-28-2	Aroclor-1221	< 67.2		µg/kg dry	67.2	60.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 67.2		µg/kg dry	67.2	43.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 67.2		µg/kg dry	67.2	40.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 67.2		µg/kg dry	67.2	35.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 67.2		µg/kg dry	67.2	56.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 67.2		µg/kg dry	67.2	41.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 67.2		µg/kg dry	67.2	62.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 67.2		µg/kg dry	67.2	27.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320715	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 27 SB75688-27	183572.4445.0710	Concrete	23-Aug-13 11:37	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.7		µg/kg dry	65.7	49.1	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320629	X
11104-28-2	Aroclor-1221	< 65.7		µg/kg dry	65.7	59.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.7		µg/kg dry	65.7	42.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.7		µg/kg dry	65.7	39.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.7		µg/kg dry	65.7	34.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.7		µg/kg dry	65.7	54.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.7		µg/kg dry	65.7	40.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.7		µg/kg dry	65.7	61.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.7		µg/kg dry	65.7	27.1	1	"	"	"	"	"	X
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)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320715	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 28 [illegible]88-28	183572.4445.0710	Concrete	23-Aug-13 11:40	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.7		µg/kg dry	66.7	49.9	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320629	X
11104-28-2	Aroclor-1221	< 66.7		µg/kg dry	66.7	60.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.7		µg/kg dry	66.7	42.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.7		µg/kg dry	66.7	40.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.7		µg/kg dry	66.7	34.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.7		µg/kg dry	66.7	55.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.7		µg/kg dry	66.7	41.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.7		µg/kg dry	66.7	62.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.7		µg/kg dry	66.7	27.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**98.2**		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320715	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 29	183572.4445.0710	Concrete	23-Aug-13 11:43	27-Aug-13
SB75688-29				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.4		µg/kg dry	66.4	49.6	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320629	X
11104-28-2	Aroclor-1221	< 66.4		µg/kg dry	66.4	59.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.4		µg/kg dry	66.4	42.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.4		µg/kg dry	66.4	40.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.4		µg/kg dry	66.4	34.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.4		µg/kg dry	66.4	55.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.4		µg/kg dry	66.4	41.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.4		µg/kg dry	66.4	61.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.4		µg/kg dry	66.4	27.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.4		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320715	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 30 S[illegible]5688-30	183572.4445.0710	Concrete	23-Aug-13 13:40	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.4		µg/kg dry	65.4	48.9	1	SW846 8082A	27-Aug-13	30-Aug-13	BLM	1320629	X
11104-28-2	Aroclor-1221	< 65.4		µg/kg dry	65.4	59.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.4		µg/kg dry	65.4	42.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.4		µg/kg dry	65.4	39.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.4		µg/kg dry	65.4	34.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.4		µg/kg dry	65.4	54.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.4		µg/kg dry	65.4	40.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.4		µg/kg dry	65.4	60.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.4		µg/kg dry	65.4	27.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.8		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320715	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 31 SB75688-31	183572.4445.0710	Concrete	23-Aug-13 13:43	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.0		µg/kg dry	63.0	47.0	1	SW846 8082A	27-Aug-13	30-Aug-13	IMR	1320629	X
11104-28-2	Aroclor-1221	< 63.0		µg/kg dry	63.0	56.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.0		µg/kg dry	63.0	40.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.0		µg/kg dry	63.0	37.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.0		µg/kg dry	63.0	32.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.0		µg/kg dry	63.0	52.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.0		µg/kg dry	63.0	39.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.0		µg/kg dry	63.0	58.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.0		µg/kg dry	63.0	26.0	1	"	"	"	"	"	X
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)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320715	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 32 SB75688-32	183572.4445.0710	Concrete	23-Aug-13 13:46	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.5		µg/kg dry	65.5	48.9	1	SW846 8082A	27-Aug-13	30-Aug-13	IMR	1320629	X
11104-28-2	Aroclor-1221	< 65.5		µg/kg dry	65.5	59.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.5		µg/kg dry	65.5	42.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.5		µg/kg dry	65.5	39.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.5		µg/kg dry	65.5	34.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.5		µg/kg dry	65.5	54.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.5		µg/kg dry	65.5	40.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.5		µg/kg dry	65.5	61.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.5		µg/kg dry	65.5	27.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320715	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 33				
SB75688-33	183572.4445.0710	Concrete	23-Aug-13 13:49	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.4		µg/kg dry	65.4	48.8	1	SW846 8082A	27-Aug-13	30-Aug-13	IMR	1320629	X
11104-28-2	Aroclor-1221	< 65.4		µg/kg dry	65.4	58.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.4		µg/kg dry	65.4	42.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.4		µg/kg dry	65.4	39.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.4		µg/kg dry	65.4	34.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.4		µg/kg dry	65.4	54.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	193		µg/kg dry	65.4	32.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.4		µg/kg dry	65.4	60.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.4		µg/kg dry	65.4	27.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320715	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 34 [redacted]688-34	183572.4445.0710	Concrete	23-Aug-13 13:53	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.6		µg/kg dry	63.6	47.5	1	SW846 8082A	27-Aug-13	30-Aug-13	IMR	1320629	X
11104-28-2	Aroclor-1221	< 63.6		µg/kg dry	63.6	57.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.6		µg/kg dry	63.6	40.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.6		µg/kg dry	63.6	38.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.6		µg/kg dry	63.6	33.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.6		µg/kg dry	63.6	53.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.6		µg/kg dry	63.6	39.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.6		µg/kg dry	63.6	59.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.6		µg/kg dry	63.6	26.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320715	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 35 SB75688-35	183572.4445.0710	Concrete	23-Aug-13 13:54	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.4		µg/kg dry	62.4	46.6	1	SW846 8082A	27-Aug-13	30-Aug-13	IMR	1320629	X
11104-28-2	Aroclor-1221	< 62.4		µg/kg dry	62.4	56.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.4		µg/kg dry	62.4	40.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.4		µg/kg dry	62.4	37.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.4		µg/kg dry	62.4	32.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.4		µg/kg dry	62.4	52.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.4		µg/kg dry	62.4	38.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.4		µg/kg dry	62.4	58.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.4		µg/kg dry	62.4	25.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320715	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 36	183572.4445.0710	Concrete	23-Aug-13 14:01	27-Aug-13
S[illegible]88-36				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.0		µg/kg dry	61.0	45.6	1	SW846 8082A	27-Aug-13	30-Aug-13	IMR	1320629	X
11104-28-2	Aroclor-1221	< 61.0		µg/kg dry	61.0	55.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.0		µg/kg dry	61.0	39.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.0		µg/kg dry	61.0	36.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.0		µg/kg dry	61.0	31.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.0		µg/kg dry	61.0	50.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.0		µg/kg dry	61.0	37.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.0		µg/kg dry	61.0	56.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.0		µg/kg dry	61.0	25.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320715	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 37	183572.4445.0710	Concrete	23-Aug-13 14:05	27-Aug-13
SB75688-37				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ca
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.7		µg/kg dry	58.7	43.8	1	SW846 8082A	27-Aug-13	30-Aug-13	IMR	1320629	X
11104-28-2	Aroclor-1221	< 58.7		µg/kg dry	58.7	52.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.7		µg/kg dry	58.7	37.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.7		µg/kg dry	58.7	35.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.7		µg/kg dry	58.7	30.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 58.7		µg/kg dry	58.7	48.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.7		µg/kg dry	58.7	36.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.7		µg/kg dry	58.7	54.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.7		µg/kg dry	58.7	24.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320715	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 38 [redacted]88-38	183572.4445.0710	Concrete	23-Aug-13 14:08	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.9		µg/kg dry	58.9	44.0	1	SW846 8082A	27-Aug-13	30-Aug-13	IMR	1320629	X
11104-28-2	Aroclor-1221	< 58.9		µg/kg dry	58.9	53.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.9		µg/kg dry	58.9	37.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.9		µg/kg dry	58.9	35.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.9		µg/kg dry	58.9	30.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 58.9		µg/kg dry	58.9	49.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.9		µg/kg dry	58.9	36.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.9		µg/kg dry	58.9	54.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.9		µg/kg dry	58.9	24.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320715	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 39	183572.4445.0710	Concrete	23-Aug-13 14:12	27-Aug-13
SB75688-39				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.3		µg/kg dry	62.3	46.6	1	SW846 8082A	27-Aug-13	30-Aug-13	IMR	1320629	X
11104-28-2	Aroclor-1221	< 62.3		µg/kg dry	62.3	56.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.3		µg/kg dry	62.3	40.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.3		µg/kg dry	62.3	37.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.3		µg/kg dry	62.3	32.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.3		µg/kg dry	62.3	51.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.3		µg/kg dry	62.3	38.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.3		µg/kg dry	62.3	58.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.3		µg/kg dry	62.3	25.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320715	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 40 [redacted]688-40	183572.4445.0710	Concrete	23-Aug-13 14:17	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.0		µg/kg dry	65.0	48.6	1	SW846 8082A	27-Aug-13	30-Aug-13	IMR	1320629	X
11104-28-2	Aroclor-1221	< 65.0		µg/kg dry	65.0	58.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.0		µg/kg dry	65.0	41.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.0		µg/kg dry	65.0	39.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.0		µg/kg dry	65.0	33.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.0		µg/kg dry	65.0	54.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.0		µg/kg dry	65.0	40.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.0		µg/kg dry	65.0	60.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.0		µg/kg dry	65.0	26.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.1		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320715	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 41	183572.4445.0710	Concrete	23-Aug-13 14:21	27-Aug-13
SB75688-41				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.3		µg/kg dry	59.3	44.3	1	SW846 8082A	27-Aug-13	30-Aug-13	IMR	1320629	X
11104-28-2	Aroclor-1221	< 59.3		µg/kg dry	59.3	53.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.3		µg/kg dry	59.3	38.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.3		µg/kg dry	59.3	35.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.3		µg/kg dry	59.3	30.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 59.3		µg/kg dry	59.3	49.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.3		µg/kg dry	59.3	36.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.3		µg/kg dry	59.3	55.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.3		µg/kg dry	59.3	24.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 42 SB75688-42	183572.4445.0710	Concrete	23-Aug-13 14:25	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.3		µg/kg dry	64.3	48.0	1	SW846 8082A	27-Aug-13	30-Aug-13	IMR	1320629	X
11104-28-2	Aroclor-1221	< 64.3		µg/kg dry	64.3	57.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.3		µg/kg dry	64.3	41.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.3		µg/kg dry	64.3	38.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.3		µg/kg dry	64.3	33.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.3		µg/kg dry	64.3	53.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.3		µg/kg dry	64.3	39.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.3		µg/kg dry	64.3	59.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.3		µg/kg dry	64.3	26.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 43	183572.4445.0710	Concrete	23-Aug-13 15:05	27-Aug-13
SB75688-43				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cer
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.5		µg/kg dry	64.5	48.2	1	SW846 8082A	27-Aug-13	30-Aug-13	IMR	1320629	X
11104-28-2	Aroclor-1221	< 64.5		µg/kg dry	64.5	58.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.5		µg/kg dry	64.5	41.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.5		µg/kg dry	64.5	38.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.5		µg/kg dry	64.5	33.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.5		µg/kg dry	64.5	53.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.5		µg/kg dry	64.5	40.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.5		µg/kg dry	64.5	60.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.5		µg/kg dry	64.5	26.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*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]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 44 [illegible]688-44	183572.4445.0710	Concrete	23-Aug-13 15:09	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.9		µg/kg dry	64.9	48.5	1	SW846 8082A	27-Aug-13	30-Aug-13	IMR	1320629	X
11104-28-2	Aroclor-1221	< 64.9		µg/kg dry	64.9	58.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.9		µg/kg dry	64.9	41.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.9		µg/kg dry	64.9	39.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.9		µg/kg dry	64.9	33.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.9		µg/kg dry	64.9	54.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.9		µg/kg dry	64.9	40.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.9		µg/kg dry	64.9	60.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.9		µg/kg dry	64.9	26.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 45 SB75688-45	183572.4445.0710	Concrete	23-Aug-13 15:13	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cer
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.9		µg/kg dry	65.9	49.2	1	SW846 8082A	27-Aug-13	30-Aug-13	IMR	1320629	X
11104-28-2	Aroclor-1221	< 65.9		µg/kg dry	65.9	59.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.9		µg/kg dry	65.9	42.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.9		µg/kg dry	65.9	39.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.9		µg/kg dry	65.9	34.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.9		µg/kg dry	65.9	54.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.9		µg/kg dry	65.9	40.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.9		µg/kg dry	65.9	61.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.9		µg/kg dry	65.9	27.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 46 [illegible]88-46	183572.4445.0710	Concrete	23-Aug-13 15:18	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.2		µg/kg dry	58.2	43.4	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320631	X
11104-28-2	Aroclor-1221	< 58.2		µg/kg dry	58.2	52.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.2		µg/kg dry	58.2	37.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.2		µg/kg dry	58.2	35.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.2		µg/kg dry	58.2	30.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 58.2		µg/kg dry	58.2	48.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.2		µg/kg dry	58.2	36.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.2		µg/kg dry	58.2	54.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.2		µg/kg dry	58.2	24.0	1	"	"	"	"	"	X
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)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[illegible]	% Solids	99.3		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 47 SB75688-47	183572.4445.0710	Concrete	23-Aug-13 15:22	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.5		µg/kg dry	64.5	48.2	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320631	X
11104-28-2	Aroclor-1221	< 64.5		µg/kg dry	64.5	58.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.5		µg/kg dry	64.5	41.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.5		µg/kg dry	64.5	38.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.5		µg/kg dry	64.5	33.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.5		µg/kg dry	64.5	53.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.5		µg/kg dry	64.5	40.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.5		µg/kg dry	64.5	60.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.5		µg/kg dry	64.5	26.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CO 48 [illegible]588-48	183572.4445.0710	Concrete	23-Aug-13 15:30	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.0		µg/kg dry	63.0	47.1	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320631	X
11104-28-2	Aroclor-1221	< 63.0		µg/kg dry	63.0	56.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.0		µg/kg dry	63.0	40.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.0		µg/kg dry	63.0	37.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.0		µg/kg dry	63.0	32.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.0		µg/kg dry	63.0	52.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.0		µg/kg dry	63.0	39.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.0		µg/kg dry	63.0	58.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.0		µg/kg dry	63.0	26.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-S1 SB75688-49	183572.4445.0710	Soil	22-Aug-13 13:12	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.3		µg/kg dry	21.3	15.9	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320631	X
11104-28-2	Aroclor-1221	< 21.3		µg/kg dry	21.3	19.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.3		µg/kg dry	21.3	13.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.3		µg/kg dry	21.3	12.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.3		µg/kg dry	21.3	11.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.3		µg/kg dry	21.3	17.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	42.7		µg/kg dry	21.3	13.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.3		µg/kg dry	21.3	19.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.3		µg/kg dry	21.3	8.81	1	"	"	"	"	"	X
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)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	92.4		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-S2 SB75688-50	183572.4445.0710	Soil	22-Aug-13 13:15	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.3		µg/kg dry	20.3	15.1	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320631	X
11104-28-2	Aroclor-1221	< 20.3		µg/kg dry	20.3	18.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.3		µg/kg dry	20.3	13.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.3		µg/kg dry	20.3	12.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.3		µg/kg dry	20.3	10.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.3		µg/kg dry	20.3	16.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.3		µg/kg dry	20.3	12.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.3		µg/kg dry	20.3	18.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.3		µg/kg dry	20.3	8.36	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	92.6		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-S3 SB75688-51	183572.4445.0710	Soil	22-Aug-13 13:18	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.3		µg/kg dry	20.3	15.1	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320631	X
11104-28-2	Aroclor-1221	< 20.3		µg/kg dry	20.3	18.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.3		µg/kg dry	20.3	13.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.3		µg/kg dry	20.3	12.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.3		µg/kg dry	20.3	10.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.3		µg/kg dry	20.3	16.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.3		µg/kg dry	20.3	12.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.3		µg/kg dry	20.3	18.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.3		µg/kg dry	20.3	8.36	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*145*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	95.0		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-S4 SB75688-52	183572.4445.0710	Soil	22-Aug-13 13:34	27-Aug-13

No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.6		µg/kg dry	20.6	15.4	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320631	X
11104-28-2	Aroclor-1221	< 20.6		µg/kg dry	20.6	18.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.6		µg/kg dry	20.6	13.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.6		µg/kg dry	20.6	12.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.6		µg/kg dry	20.6	10.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.6		µg/kg dry	20.6	17.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	59.7		µg/kg dry	20.6	12.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.6		µg/kg dry	20.6	19.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.6		µg/kg dry	20.6	8.50	1	"	"	"	"	"	X
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)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	93.7		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-S5 SB75688-53	183572.4445.0710	Soil	22-Aug-13 13:38	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.7		µg/kg dry	20.7	15.5	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320631	X
11104-28-2	Aroclor-1221	< 20.7		µg/kg dry	20.7	18.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.7		µg/kg dry	20.7	13.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.7		µg/kg dry	20.7	12.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.7		µg/kg dry	20.7	10.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.7		µg/kg dry	20.7	17.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	363		µg/kg dry	20.7	10.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.7		µg/kg dry	20.7	19.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.7		µg/kg dry	20.7	8.56	1	"	"	"	"	"	X
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)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	95.2		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-S6 SB75688-54	183572.4445.0710	Soil	22-Aug-13 13:42	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.7		µg/kg dry	20.7	15.5	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320631	X
11104-28-2	Aroclor-1221	< 20.7		µg/kg dry	20.7	18.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.7		µg/kg dry	20.7	13.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.7		µg/kg dry	20.7	12.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.7		µg/kg dry	20.7	10.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.7		µg/kg dry	20.7	17.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 20.7		µg/kg dry	20.7	12.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.7		µg/kg dry	20.7	19.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.7		µg/kg dry	20.7	8.55	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*135*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	94.8		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-S7 SB75688-55	183572.4445.0710	Soil	22-Aug-13 13:50	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 22.4		µg/kg dry	22.4	16.7	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320631	X
11104-28-2	Aroclor-1221	< 22.4		µg/kg dry	22.4	20.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.4		µg/kg dry	22.4	14.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.4		µg/kg dry	22.4	13.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.4		µg/kg dry	22.4	11.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.4		µg/kg dry	22.4	18.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	23.5		µg/kg dry	22.4	13.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.4		µg/kg dry	22.4	20.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.4		µg/kg dry	22.4	9.24	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*40*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	88.8		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-S8 SB75688-56	183572.4445.0710	Soil	22-Aug-13 13:50	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.7		µg/kg dry	20.7	15.4	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320631	X
11104-28-2	Aroclor-1221	< 20.7		µg/kg dry	20.7	18.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.7		µg/kg dry	20.7	13.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.7		µg/kg dry	20.7	12.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.7		µg/kg dry	20.7	10.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**225**		µg/kg dry	20.7	17.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	**61.0**		µg/kg dry	20.7	10.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.7		µg/kg dry	20.7	19.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.7		µg/kg dry	20.7	8.53	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*170*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**88.6**		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-S9 SB75688-57	183572.4445.0710	Soil	23-Aug-13 09:55	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cl
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.1		µg/kg dry	21.1	15.7	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320631	X
11104-28-2	Aroclor-1221	< 21.1		µg/kg dry	21.1	19.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.1		µg/kg dry	21.1	13.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.1		µg/kg dry	21.1	12.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.1		µg/kg dry	21.1	11.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.1		µg/kg dry	21.1	17.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	102		µg/kg dry	21.1	13.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.1		µg/kg dry	21.1	19.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.1		µg/kg dry	21.1	8.69	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	89.2		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-S10 [redacted]88-58	183572.4445.0710	Soil	23-Aug-13 09:56	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.9		µg/kg dry	20.9	15.6	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320631	X
11104-28-2	Aroclor-1221	< 20.9		µg/kg dry	20.9	18.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.9		µg/kg dry	20.9	13.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.9		µg/kg dry	20.9	12.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.9		µg/kg dry	20.9	10.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 20.9		µg/kg dry	20.9	17.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	45.9		µg/kg dry	20.9	12.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.9		µg/kg dry	20.9	19.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.9		µg/kg dry	20.9	8.61	1	"	"	"	"	"	X
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)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	88.3		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320716	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-S11 SB75688-59	183572.4445.0710	Soil	23-Aug-13 09:58	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.0		µg/kg dry	21.0	15.7	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320631	X
11104-28-2	Aroclor-1221	< 21.0		µg/kg dry	21.0	16.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.0		µg/kg dry	21.0	13.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.0		µg/kg dry	21.0	12.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.0		µg/kg dry	21.0	10.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	227		µg/kg dry	21.0	17.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	30.4		µg/kg dry	21.0	13.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.0		µg/kg dry	21.0	19.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.0		µg/kg dry	21.0	8.64	1	"	"	"	"	"	X
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)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	88.4		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C[illegible]A1 [illegible]88-60	183572.4445.0710	Asphalt	22-Aug-13 14:33	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.4		µg/kg dry	62.4	46.6	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320631	X
11104-28-2	Aroclor-1221	< 62.4		µg/kg dry	62.4	56.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.4		µg/kg dry	62.4	40.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.4		µg/kg dry	62.4	37.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.4		µg/kg dry	62.4	32.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.4		µg/kg dry	62.4	52.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.4		µg/kg dry	62.4	38.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.4		µg/kg dry	62.4	58.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.4		µg/kg dry	62.4	25.7	1	"	"	"	"	"	X
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													
[illegible]	% Solids	99.3		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-A2 SB75688-61	183572.4445.0710	Asphalt	22-Aug-13 15:45	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.9		µg/kg dry	60.9	45.5	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320631	X
11104-28-2	Aroclor-1221	< 60.9		µg/kg dry	60.9	54.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.9		µg/kg dry	60.9	39.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.9		µg/kg dry	60.9	36.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.9		µg/kg dry	60.9	31.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.9		µg/kg dry	60.9	50.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.9		µg/kg dry	60.9	37.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.9		µg/kg dry	60.9	56.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.9		µg/kg dry	60.9	25.1	1	"	"	"	"	"	X
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)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-A3	183572.4445.0710	Asphalt	23-Aug-13 11:46	27-Aug-13
SB75688-62				

No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.5		µg/kg dry	60.5	45.2	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320631	X
11104-28-2	Aroclor-1221	< 60.5		µg/kg dry	60.5	54.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.5		µg/kg dry	60.5	38.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.5		µg/kg dry	60.5	36.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.5		µg/kg dry	60.5	31.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.5		µg/kg dry	60.5	50.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.5		µg/kg dry	60.5	37.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.5		µg/kg dry	60.5	56.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.5		µg/kg dry	60.5	24.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320717	

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* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-C5-SHR 1-0" SB75688-63	183572.4445.0710	Sheetrock	22-Aug-13 10:15	27-Aug-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 69.5		µg/kg dry	69.5	51.9	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320631	X
11104-28-2	Aroclor-1221	< 69.5		µg/kg dry	69.5	62.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 69.5		µg/kg dry	69.5	44.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 69.5		µg/kg dry	69.5	41.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	153		µg/kg dry	69.5	36.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 69.5		µg/kg dry	69.5	57.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 69.5		µg/kg dry	69.5	43.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 69.5		µg/kg dry	69.5	64.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 69.5		µg/kg dry	69.5	28.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	88.6		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C[illegible]C6-CM1-0"	183572.4445.0710	Concrete	22-Aug-13 10:12	27-Aug-13
[illegible]88-64				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 54.1		µg/kg dry	54.1	40.4	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320631	X
11104-28-2	Aroclor-1221	< 54.1		µg/kg dry	54.1	48.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 54.1		µg/kg dry	54.1	34.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.1		µg/kg dry	54.1	32.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 54.1		µg/kg dry	54.1	28.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 54.1		µg/kg dry	54.1	45.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	2,600		µg/kg dry	54.1	27.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 54.1		µg/kg dry	54.1	50.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54.1		µg/kg dry	54.1	22.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[illegible]	% Solids	99.6		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-C6-CM1-3" SB75688-65	183572.4445.0710	Concrete	22-Aug-13 10:08	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 54.8		µg/kg dry	54.8	41.0	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320631	X
11104-28-2	Aroclor-1221	< 54.8		µg/kg dry	54.8	49.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 54.8		µg/kg dry	54.8	35.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.8		µg/kg dry	54.8	33.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 54.8		µg/kg dry	54.8	28.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 54.8		µg/kg dry	54.8	45.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	5,920		µg/kg dry	54.8	27.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 54.8		µg/kg dry	54.8	51.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54.8		µg/kg dry	54.8	22.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-C6-CM1-6"	183572.4445.0710	Concrete	22-Aug-13 10:04	27-Aug-13
SB75688-66				

No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 545	D	µg/kg dry	545	407	10	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320632	X
11104-28-2	Aroclor-1221	< 545	D	µg/kg dry	545	491	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 545	D	µg/kg dry	545	350	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 545	D	µg/kg dry	545	328	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 545	D	µg/kg dry	545	284	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 545	D	µg/kg dry	545	455	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 545	D	µg/kg dry	545	338	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262 [2C]	18,300	D	µg/kg dry	545	523	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 545	D	µg/kg dry	545	225	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320717	

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* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-C6-CM1-12" SB75688-67	183572.4445.0710	Concrete	22-Aug-13 10:00	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.5		µg/kg dry	66.5	49.7	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320632	X
11104-28-2	Aroclor-1221	< 66.5		µg/kg dry	66.5	59.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.5		µg/kg dry	66.5	42.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.5		µg/kg dry	66.5	40.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.5		µg/kg dry	66.5	34.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.5		µg/kg dry	66.5	55.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.5		µg/kg dry	66.5	41.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262 [2C]	6,350		µg/kg dry	66.5	63.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.5		µg/kg dry	66.5	27.4	1	"	"	"	"	"	X
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)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-C6-CM2-0" [redacted]688-68	183572.4445.0710	Concrete	22-Aug-13 11:07	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 549	D	µg/kg dry	549	410	10	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320632	X
11104-28-2	Aroclor-1221	< 549	D	µg/kg dry	549	495	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 549	D	µg/kg dry	549	353	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 549	D	µg/kg dry	549	330	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 549	D	µg/kg dry	549	286	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 549	D	µg/kg dry	549	458	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 549	D	µg/kg dry	549	341	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262 [2C]	22,100	D	µg/kg dry	549	527	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 549	D	µg/kg dry	549	227	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.6		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-C6-CM2-3"	183572.4445.0710	Concrete	22-Aug-13 11:04	27-Aug-13
SB75688-69				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 526	D	µg/kg dry	526	393	10	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320632	X
11104-28-2	Aroclor-1221	< 526	D	µg/kg dry	526	474	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 526	D	µg/kg dry	526	338	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 526	D	µg/kg dry	526	316	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 526	D	µg/kg dry	526	274	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 526	D	µg/kg dry	526	439	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 526	D	µg/kg dry	526	326	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262 [2C]	16,300	D	µg/kg dry	526	505	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 526	D	µg/kg dry	526	217	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-C6-CM2-6"	183572.4445.0710	Concrete	22-Aug-13 11:00	27-Aug-13
688-70				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 54.9		µg/kg dry	54.9	41.0	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320632	X
11104-28-2	Aroclor-1221	< 54.9		µg/kg dry	54.9	49.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 54.9		µg/kg dry	54.9	35.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.9		µg/kg dry	54.9	33.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 54.9		µg/kg dry	54.9	28.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 54.9		µg/kg dry	54.9	45.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 54.9		µg/kg dry	54.9	34.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262 [2C]	5,430		µg/kg dry	54.9	52.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54.9		µg/kg dry	54.9	22.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-C6-CM2-12" SB75688-71	183572.4445.0710	Concrete	22-Aug-13 10:56	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 52.0		µg/kg dry	52.0	38.8	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320632	X
11104-28-2	Aroclor-1221	< 52.0		µg/kg dry	52.0	46.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 52.0		µg/kg dry	52.0	33.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 52.0		µg/kg dry	52.0	31.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 52.0		µg/kg dry	52.0	27.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 52.0		µg/kg dry	52.0	43.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 52.0		µg/kg dry	52.0	32.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262 [2C]	3,540		µg/kg dry	52.0	49.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 52.0		µg/kg dry	52.0	21.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*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]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C[illegible]C8-BR1-0" [illegible]88-72	183572.4445.0710	Brick	23-Aug-13 10:42	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.2		µg/kg dry	58.2	43.5	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320632	X
11104-28-2	Aroclor-1221	< 58.2		µg/kg dry	58.2	52.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.2		µg/kg dry	58.2	37.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.2		µg/kg dry	58.2	35.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.2		µg/kg dry	58.2	30.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 58.2		µg/kg dry	58.2	48.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.2		µg/kg dry	58.2	36.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.2		µg/kg dry	58.2	54.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.2		µg/kg dry	58.2	24.0	1	"	"	"	"	"	X
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)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[illegible]	% Solids	99.8		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-C8-BR2-0" SB75688-73	183572.4445.0710	Brick	23-Aug-13 13:00	27-Aug-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Ce*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.4		µg/kg dry	61.4	45.9	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320632	X
11104-28-2	Aroclor-1221	< 61.4		µg/kg dry	61.4	55.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.4		µg/kg dry	61.4	39.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.4		µg/kg dry	61.4	37.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.4		µg/kg dry	61.4	31.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.4		µg/kg dry	61.4	51.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.4		µg/kg dry	61.4	38.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.4		µg/kg dry	61.4	57.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.4		µg/kg dry	61.4	25.3	1	"	"	"	"	"	X
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)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	100		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-WCA-CT1-0" SB75688-74	183572.4445.0710	Ceramic	22-Aug-13 10:28	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.4		µg/kg dry	59.4	44.4	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320632	X
11104-28-2	Aroclor-1221	< 59.4		µg/kg dry	59.4	53.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.4		µg/kg dry	59.4	38.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.4		µg/kg dry	59.4	35.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.4		µg/kg dry	59.4	30.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 59.4		µg/kg dry	59.4	49.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.4		µg/kg dry	59.4	36.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.4		µg/kg dry	59.4	55.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.4		µg/kg dry	59.4	24.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-WCA-CT1-3"	183572.4445.0710	Ceramic	22-Aug-13 10:24	27-Aug-13
SB75688-75				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 50.5		µg/kg dry	50.5	37.7	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320632	X
11104-28-2	Aroclor-1221	< 50.5		µg/kg dry	50.5	45.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 50.5		µg/kg dry	50.5	32.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 50.5		µg/kg dry	50.5	30.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 50.5		µg/kg dry	50.5	26.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 50.5		µg/kg dry	50.5	42.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 50.5		µg/kg dry	50.5	31.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 50.5		µg/kg dry	50.5	47.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 50.5		µg/kg dry	50.5	20.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-WCA-CO1-0"	183572.4445.0710	Concrete	22-Aug-13 14:55	27-Aug-13
S[illegible]38-76				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.9		µg/kg dry	61.9	46.3	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320632	X
11104-28-2	Aroclor-1221	< 61.9		µg/kg dry	61.9	55.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.9		µg/kg dry	61.9	39.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.9		µg/kg dry	61.9	37.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.9		µg/kg dry	61.9	32.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.9		µg/kg dry	61.9	51.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.9		µg/kg dry	61.9	38.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.9		µg/kg dry	61.9	57.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.9		µg/kg dry	61.9	25.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-WCA-CO1-3"	183572.4445.0710	Concrete	22-Aug-13 14:53	27-Aug-13
SB75688-77				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.6		µg/kg dry	57.6	43.0	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320632	X
11104-28-2	Aroclor-1221	< 57.6		µg/kg dry	57.6	51.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.6		µg/kg dry	57.6	37.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.6		µg/kg dry	57.6	34.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.6		µg/kg dry	57.6	30.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 57.6		µg/kg dry	57.6	48.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.6		µg/kg dry	57.6	35.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.6		µg/kg dry	57.6	53.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.6		µg/kg dry	57.6	23.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-WCA-CO2-0" SB75688-78	183572.4445.0710	Concrete	22-Aug-13 15:32	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 56.1		µg/kg dry	56.1	41.9	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320632	X
11104-28-2	Aroclor-1221	< 56.1		µg/kg dry	56.1	50.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.1		µg/kg dry	56.1	36.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.1		µg/kg dry	56.1	33.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.1		µg/kg dry	56.1	29.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 56.1		µg/kg dry	56.1	46.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 56.1		µg/kg dry	56.1	34.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.1		µg/kg dry	56.1	52.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.1		µg/kg dry	56.1	23.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-WCA-CO2-3"	183572.4445.0710	Concrete	22-Aug-13 15:27	27-Aug-13
SB75688-79				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.6		µg/kg dry	61.6	46.0	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320632	X
11104-28-2	Aroclor-1221	< 61.6		µg/kg dry	61.6	55.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.6		µg/kg dry	61.6	39.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.6		µg/kg dry	61.6	37.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.6		µg/kg dry	61.6	32.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.6		µg/kg dry	61.6	51.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.6		µg/kg dry	61.6	38.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.6		µg/kg dry	61.6	57.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.6		µg/kg dry	61.6	25.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-WCA-BR1-0" [redacted]688-80	183572.4445.0710	Brick	23-Aug-13 10:38	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.7		µg/kg dry	59.7	44.6	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320632	X
11104-28-2	Aroclor-1221	< 59.7		µg/kg dry	59.7	53.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.7		µg/kg dry	59.7	38.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.7		µg/kg dry	59.7	35.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.7		µg/kg dry	59.7	31.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 59.7		µg/kg dry	59.7	49.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.7		µg/kg dry	59.7	37.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.7		µg/kg dry	59.7	55.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.7		µg/kg dry	59.7	24.8	1	"	"	"	"	"	X
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)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-WCA-BR1-3" SB75688-81	183572.4445.0710	Brick	23-Aug-13 10:35	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.7		µg/kg dry	60.7	45.3	1	SW846 8082A	28-Aug-13	29-Aug-13	IMR	1320768	X
11104-28-2	Aroclor-1221	< 60.7		µg/kg dry	60.7	54.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.7		µg/kg dry	60.7	39.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.7		µg/kg dry	60.7	36.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.7		µg/kg dry	60.7	31.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.7		µg/kg dry	60.7	50.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.7		µg/kg dry	60.7	37.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.7		µg/kg dry	60.7	56.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.7		µg/kg dry	60.7	25.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	100		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320718	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-WCA-BR2-0"	183572.4445.0710	Brick	23-Aug-13 13:06	27-Aug-13
688-82				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.9		µg/kg dry	57.9	43.2	1	SW846 8082A	28-Aug-13	29-Aug-13	IMR	1320768	X
11104-28-2	Aroclor-1221	< 57.9		µg/kg dry	57.9	52.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.9		µg/kg dry	57.9	37.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.9		µg/kg dry	57.9	34.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.9		µg/kg dry	57.9	30.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 57.9		µg/kg dry	57.9	48.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.9		µg/kg dry	57.9	35.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.9		µg/kg dry	57.9	53.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.9		µg/kg dry	57.9	23.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320718	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-WCA-BR2-3"	183572.4445.0710	Brick	23-Aug-13 13:03	27-Aug-13
SB75688-83				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.7		µg/kg dry	61.7	46.1	1	SW846 8082A	28-Aug-13	29-Aug-13	IMR	1320768	X
11104-28-2	Aroclor-1221	< 61.7		µg/kg dry	61.7	55.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.7		µg/kg dry	61.7	39.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.7		µg/kg dry	61.7	37.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.7		µg/kg dry	61.7	32.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.7		µg/kg dry	61.7	51.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.7		µg/kg dry	61.7	38.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.7		µg/kg dry	61.7	57.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.7		µg/kg dry	61.7	25.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320718	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-WCA-CM1-0" [redacted]588-84	183572.4445.0710	Concrete	22-Aug-13 10:45	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 56.2		µg/kg dry	56.2	42.0	1	SW846 8082A	28-Aug-13	30-Aug-13	IMR	1320768	X
11104-28-2	Aroclor-1221	< 56.2		µg/kg dry	56.2	50.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.2		µg/kg dry	56.2	36.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.2		µg/kg dry	56.2	33.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.2		µg/kg dry	56.2	29.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 56.2		µg/kg dry	56.2	46.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	5,910		µg/kg dry	56.2	28.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.2		µg/kg dry	56.2	52.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.2		µg/kg dry	56.2	23.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.7		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320718	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-WCA-CM1-3" SB75688-85	183572.4445.0710	Concrete	22-Aug-13 10:42	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.8		µg/kg dry	57.8	43.2	1	SW846 8082A	28-Aug-13	30-Aug-13	IMR	1320768	X
11104-28-2	Aroclor-1221	< 57.8		µg/kg dry	57.8	52.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.8		µg/kg dry	57.8	37.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.8		µg/kg dry	57.8	34.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.8		µg/kg dry	57.8	30.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 57.8		µg/kg dry	57.8	48.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	8,550		µg/kg dry	57.8	28.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.8		µg/kg dry	57.8	53.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.8		µg/kg dry	57.8	23.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320718	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-WCA-CM2-0" [redacted]88-86	183572.4445.0710	Concrete	22-Aug-13 14:51	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.4		µg/kg dry	58.4	43.6	1	SW846 8082A	28-Aug-13	30-Aug-13	IMR	1320768	X
11104-28-2	Aroclor-1221	< 58.4		µg/kg dry	58.4	52.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.4		µg/kg dry	58.4	37.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.4		µg/kg dry	58.4	35.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.4		µg/kg dry	58.4	30.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 58.4		µg/kg dry	58.4	48.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	64.3		µg/kg dry	58.4	36.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.4		µg/kg dry	58.4	54.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.4		µg/kg dry	58.4	24.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	98.7		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320718	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-WCA-CM2-3" SB75688-87	183572.4445.0710	Concrete	22-Aug-13 14:49	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.9		µg/kg dry	60.9	45.5	1	SW846 8082A	28-Aug-13	30-Aug-13	IMR	1320768	X
11104-28-2	Aroclor-1221	< 60.9		µg/kg dry	60.9	54.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.9		µg/kg dry	60.9	39.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.9		µg/kg dry	60.9	36.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.9		µg/kg dry	60.9	31.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.9		µg/kg dry	60.9	50.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	67.0		µg/kg dry	60.9	37.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.9		µg/kg dry	60.9	56.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.9		µg/kg dry	60.9	25.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320718	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-WCA-CM2-6" S[redacted]88-88	183572.4445.0710	Concrete	22-Aug-13 14:45	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 53.4		µg/kg dry	53.4	39.9	1	SW846 8082A	28-Aug-13	30-Aug-13	IMR	1320768	X
11104-28-2	Aroclor-1221	< 53.4		µg/kg dry	53.4	48.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 53.4		µg/kg dry	53.4	34.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 53.4		µg/kg dry	53.4	32.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 53.4		µg/kg dry	53.4	27.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 53.4		µg/kg dry	53.4	44.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	98.7		µg/kg dry	53.4	33.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 53.4		µg/kg dry	53.4	49.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 53.4		µg/kg dry	53.4	22.0	1	"	"	"	"	"	X
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]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320718	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-WCA-GB1-0"	183572.4445.0710	Concrete	22-Aug-13 09:33	27-Aug-13
SB75688-89				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.1		µg/kg dry	65.1	48.6	1	SW846 8082A	28-Aug-13	30-Aug-13	IMR	1320768	X
11104-28-2	Aroclor-1221	< 65.1		µg/kg dry	65.1	58.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.1		µg/kg dry	65.1	41.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 85.1		µg/kg dry	65.1	39.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.1		µg/kg dry	65.1	33.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.1		µg/kg dry	65.1	54.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.1		µg/kg dry	65.1	40.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.1		µg/kg dry	65.1	60.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.1		µg/kg dry	65.1	26.8	1	"	"	"	"	"	X
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)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	1320718	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-WCA-GB1-3" [redacted]88-90	183572.4445.0710	Concrete	22-Aug-13 09:30	27-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.9		µg/kg dry	62.9	47.0	1	SW846 8082A	28-Aug-13	30-Aug-13	IMR	1320768	X
11104-28-2	Aroclor-1221	< 62.9		µg/kg dry	62.9	56.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.9		µg/kg dry	62.9	40.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.9		µg/kg dry	62.9	37.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.9		µg/kg dry	62.9	32.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.9		µg/kg dry	62.9	52.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.9		µg/kg dry	62.9	39.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.9		µg/kg dry	62.9	58.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.9		µg/kg dry	62.9	25.9	1	"	"	"	"	"	X
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]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	28-Aug-13	28-Aug-13	DT	132071B	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320625 - SW846 3540C										
Blank (1320625-BLK1)					Prepared: 27-Aug-13 Analyzed: 30-Aug-13					
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*63.3*		µg/kg wet		*66.7*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*80.0*		µg/kg wet		*66.7*		*120*	*30-150*		
LCS (1320625-BS1)					Prepared: 27-Aug-13 Analyzed: 30-Aug-13					
Aroclor-1016	**647**		µg/kg wet	66.7	833		78	40-140		
Aroclor-1016 [2C]	**633**		µg/kg wet	66.7	833		76	40-140		
Aroclor-1260	**540**		µg/kg wet	66.7	833		65	40-140		
Aroclor-1260 [2C]	**533**		µg/kg wet	66.7	833		64	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*86.7*		µg/kg wet		*66.7*		*130*	*30-150*		
LCS Dup (1320625-BSD1)					Prepared: 27-Aug-13 Analyzed: 30-Aug-13					
Aroclor-1016	**647**		µg/kg wet	66.7	833		78	40-140	0	30
Aroclor-1016 [2C]	**627**		µg/kg wet	66.7	833		75	40-140	1	30
Aroclor-1260	**570**		µg/kg wet	66.7	833		68	40-140	5	30
Aroclor-1260 [2C]	**537**		µg/kg wet	66.7	833		64	40-140	0.6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*86.7*		µg/kg wet		*66.7*		*130*	*30-150*		
Batch 1320626 - SW846 3540C										
Blank (1320626-BLK1)					Prepared: 27-Aug-13 Analyzed: 30-Aug-13					
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320626 - SW846 3540C										
Blank (1320626-BLK1)					Prepared: 27-Aug-13 Analyzed: 30-Aug-13					
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*63.3*		µg/kg wet		*66.7*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
LCS (1320626-BS1)					Prepared: 27-Aug-13 Analyzed: 30-Aug-13					
Aroclor-1016	**647**		µg/kg wet	66.7	833		78	40-140		
Aroclor-1016 [2C]	**583**		µg/kg wet	66.7	833		70	40-140		
Aroclor-1260	**650**		µg/kg wet	66.7	833		78	40-140		
Aroclor-1260 [2C]	**473**		µg/kg wet	66.7	833		57	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
LCS Dup (1320626-BSD1)					Prepared: 27-Aug-13 Analyzed: 30-Aug-13					
Aroclor-1016	**647**		µg/kg wet	66.7	833		78	40-140	0	30
Aroclor-1016 [2C]	**580**		µg/kg wet	66.7	833		70	40-140	0.6	30
Aroclor-1260	**667**		µg/kg wet	66.7	833		80	40-140	3	30
Aroclor-1260 [2C]	**480**		µg/kg wet	66.7	833		58	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Duplicate (1320626-DUP1)			**Source: SB75688-15**		Prepared: 27-Aug-13 Analyzed: 30-Aug-13					
Aroclor-1016	< 51.3		µg/kg dry	51.3		BRL				30
Aroclor-1016 [2C]	< 51.3		µg/kg dry	51.3		BRL				30
Aroclor-1221	< 51.3		µg/kg dry	51.3		BRL				30
Aroclor-1221 [2C]	< 51.3		µg/kg dry	51.3		BRL				30
Aroclor-1232	< 51.3		µg/kg dry	51.3		BRL				30
Aroclor-1232 [2C]	< 51.3		µg/kg dry	51.3		BRL				30
Aroclor-1242	< 51.3		µg/kg dry	51.3		BRL				30
Aroclor-1242 [2C]	< 51.3		µg/kg dry	51.3		BRL				30
Aroclor-1248	< 51.3		µg/kg dry	51.3		BRL				30
Aroclor-1248 [2C]	< 51.3		µg/kg dry	51.3		BRL				30
Aroclor-1254	< 51.3		µg/kg dry	51.3		BRL				30
Aroclor-1254 [2C]	< 51.3		µg/kg dry	51.3		BRL				30
Aroclor-1260	< 51.3		µg/kg dry	51.3		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320626 - SW846 3540C										
Duplicate (1320626-DUP1)			Source: SB75688-15		Prepared: 27-Aug-13 Analyzed: 30-Aug-13					
Aroclor-1260 [2C]	< 51.3		µg/kg dry	51.3		BRL				30
Aroclor-1262	< 51.3		µg/kg dry	51.3		BRL				30
Aroclor-1262 [2C]	< 51.3		µg/kg dry	51.3		BRL				30
Aroclor-1268	< 51.3		µg/kg dry	51.3		BRL				30
Aroclor-1268 [2C]	< 51.3		µg/kg dry	51.3		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*38.5*		µg/kg dry		*51.3*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*35.9*		µg/kg dry		*51.3*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*56.4*		µg/kg dry		*51.3*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*41.0*		µg/kg dry		*51.3*		*80*	*30-150*		
Matrix Spike (1320626-MS1)			Source: SB75688-15		Prepared: 27-Aug-13 Analyzed: 30-Aug-13					
Aroclor-1016	**590**		µg/kg dry	59.2	741	BRL	80	40-140		
Aroclor-1016 [2C]	**513**		µg/kg dry	59.2	741	BRL	69	40-140		
Aroclor-1260	**590**		µg/kg dry	59.2	741	BRL	80	40-140		
Aroclor-1260 [2C]	**456**		µg/kg dry	59.2	741	BRL	62	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*44.4*		µg/kg dry		*59.2*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*41.5*		µg/kg dry		*59.2*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*62.2*		µg/kg dry		*59.2*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*44.4*		µg/kg dry		*59.2*		*75*	*30-150*		
Matrix Spike Dup (1320626-MSD1)			Source: SB75688-15		Prepared: 27-Aug-13 Analyzed: 30-Aug-13					
Aroclor-1016	**543**		µg/kg dry	60.0	750	BRL	72	40-140	9	30
Aroclor-1016 [2C]	**432**		µg/kg dry	60.0	750	BRL	58	40-140	18	30
Aroclor-1260	**588**		µg/kg dry	60.0	750	BRL	76	40-140	2	30
Aroclor-1260 [2C]	**432**		µg/kg dry	60.0	750	BRL	58	40-140	7	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*42.0*		µg/kg dry		*60.0*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*39.0*		µg/kg dry		*60.0*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*63.0*		µg/kg dry		*60.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*45.0*		µg/kg dry		*60.0*		*75*	*30-150*		
Batch 1320629 - SW846 3540C										
Blank (1320629-BLK1)					Prepared: 27-Aug-13 Analyzed: 30-Aug-13					
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320629 - SW846 3540C										
Blank (1320629-BLK1)						Prepared: 27-Aug-13 Analyzed: 30-Aug-13				
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*96.7*		µg/kg wet		*66.7*		*145*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*63.3*		µg/kg wet		*66.7*		*95*	*30-150*		
LCS (1320629-BS1)						Prepared: 27-Aug-13 Analyzed: 30-Aug-13				
Aroclor-1016	**647**		µg/kg wet	66.7	833		78	40-140		
Aroclor-1016 [2C]	**587**		µg/kg wet	66.7	833		70	40-140		
Aroclor-1260	**703**		µg/kg wet	66.7	833		84	40-140		
Aroclor-1260 [2C]	**580**		µg/kg wet	66.7	833		70	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*83.3*		µg/kg wet		*66.7*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
LCS Dup (1320629-BSD1)						Prepared: 27-Aug-13 Analyzed: 30-Aug-13				
Aroclor-1016	**663**		µg/kg wet	66.7	833		80	40-140	3	30
Aroclor-1016 [2C]	**590**		µg/kg wet	66.7	833		71	40-140	0.6	30
Aroclor-1260	**690**		µg/kg wet	66.7	833		83	40-140	2	30
Aroclor-1260 [2C]	**583**		µg/kg wet	66.7	833		70	40-140	0.6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*83.3*		µg/kg wet		*66.7*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Duplicate (1320629-DUP1)			**Source: SB75688-29**			Prepared: 27-Aug-13 Analyzed: 30-Aug-13				
Aroclor-1016	< 67.4		µg/kg dry	67.4		BRL				30
Aroclor-1016 [2C]	< 67.4		µg/kg dry	67.4		BRL				30
Aroclor-1221	< 67.4		µg/kg dry	67.4		BRL				30
Aroclor-1221 [2C]	< 67.4		µg/kg dry	67.4		BRL				30
Aroclor-1232	< 67.4		µg/kg dry	67.4		BRL				30
Aroclor-1232 [2C]	< 67.4		µg/kg dry	67.4		BRL				30
Aroclor-1242	< 67.4		µg/kg dry	67.4		BRL				30
Aroclor-1242 [2C]	< 67.4		µg/kg dry	67.4		BRL				30
Aroclor-1248	< 67.4		µg/kg dry	67.4		BRL				30
Aroclor-1248 [2C]	< 67.4		µg/kg dry	67.4		BRL				30
Aroclor-1254	< 67.4		µg/kg dry	67.4		BRL				30
Aroclor-1254 [2C]	< 67.4		µg/kg dry	67.4		BRL				30
Aroclor-1260	< 67.4		µg/kg dry	67.4		BRL				30
Aroclor-1260 [2C]	< 67.4		µg/kg dry	67.4		BRL				30
Aroclor-1262	< 67.4		µg/kg dry	67.4		BRL				30
Aroclor-1262 [2C]	< 67.4		µg/kg dry	67.4		BRL				30
Aroclor-1268	< 67.4		µg/kg dry	67.4		BRL				30
Aroclor-1268 [2C]	< 67.4		µg/kg dry	67.4		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*57.3*		µg/kg dry		*67.4*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*50.5*		µg/kg dry		*67.4*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*80.9*		µg/kg dry		*67.4*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*57.3*		µg/kg dry		*67.4*		*85*	*30-150*		
Matrix Spike (1320629-MS1)			**Source: SB76688-29**			Prepared: 27-Aug-13 Analyzed: 30-Aug-13				
Aroclor-1016	**663**		µg/kg dry	67.0	837	BRL	79	40-140		
Aroclor-1016 [2C]	**596**		µg/kg dry	67.0	837	BRL	71	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320629 - SW846 3540C										
Matrix Spike (1320629-MS1)			Source: SB75688-29		Prepared: 27-Aug-13 Analyzed: 30-Aug-13					
Aroclor-1260	**710**		µg/kg dry	67.0	837	BRL	85	40-140		
Aroclor-1260 [2C]	**543**		µg/kg dry	67.0	837	BRL	65	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*53.6*		µg/kg dry		*67.0*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.6*		µg/kg dry		*67.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*83.7*		µg/kg dry		*67.0*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*53.6*		µg/kg dry		*67.0*		*80*	*30-150*		
Matrix Spike Dup (1320629-MSD1)			Source: SB75688-29		Prepared: 27-Aug-13 Analyzed: 30-Aug-13					
Aroclor-1016	**675**		µg/kg dry	66.2	828	BRL	82	40-140	3	30
Aroclor-1016 [2C]	**569**		µg/kg dry	66.2	828	BRL	69	40-140	3	30
Aroclor-1260	**705**		µg/kg dry	66.2	828	BRL	85	40-140	0.5	30
Aroclor-1260 [2C]	**553**		µg/kg dry	66.2	828	BRL	67	40-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*53.0*		µg/kg dry		*66.2*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*49.7*		µg/kg dry		*66.2*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*79.5*		µg/kg dry		*66.2*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*56.3*		µg/kg dry		*66.2*		*85*	*30-150*		
Batch 1320631 - SW846 3540C										
Blank (1320631-BLK1)					Prepared: 27-Aug-13 Analyzed: 29-Aug-13					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.0*		µg/kg wet		*20.0*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*27.0*		µg/kg wet		*20.0*		*135*	*30-150*		
LCS (1320631-BS1)					Prepared: 27-Aug-13 Analyzed: 29-Aug-13					
Aroclor-1016	**177**		µg/kg wet	20.0	250		71	40-140		
Aroclor-1016 [2C]	**183**		µg/kg wet	20.0	250		73	40-140		
Aroclor-1260	**172**		µg/kg wet	20.0	250		69	40-140		
Aroclor-1260 [2C]	**146**		µg/kg wet	20.0	250		58	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320631 - SW846 3540C										
LCS (1320631-BS1)					Prepared: 27-Aug-13 Analyzed: 29-Aug-13					
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
LCS Dup (1320631-BSD1)					Prepared: 27-Aug-13 Analyzed: 29-Aug-13					
Aroclor-1016	**183**		µg/kg wet	20.0	250		73	40-140	3	30
Aroclor-1016 [2C]	**185**		µg/kg wet	20.0	250		74	40-140	1	30
Aroclor-1260	**173**		µg/kg wet	20.0	250		69	40-140	0.6	30
Aroclor-1260 [2C]	**148**		µg/kg wet	20.0	250		59	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Duplicate (1320631-DUP1)			**Source: SB75688-50**		Prepared: 27-Aug-13 Analyzed: 29-Aug-13					
Aroclor-1016	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1016 [2C]	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1221	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1221 [2C]	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1232	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1232 [2C]	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1242	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1242 [2C]	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1248	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1248 [2C]	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1254	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1254 [2C]	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1260	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1260 [2C]	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1262	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1262 [2C]	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1268	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1268 [2C]	< 19.8		µg/kg dry	19.8		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.9*		µg/kg dry		*19.8*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*10.9*		µg/kg dry		*19.8*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.8*		µg/kg dry		*19.8*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.8*		µg/kg dry		*19.8*		*80*	*30-150*		
Matrix Spike (1320631-MS1)			**Source: SB75688-50**		Prepared: 27-Aug-13 Analyzed: 29-Aug-13					
Aroclor-1016	**128**		µg/kg dry	19.7	246	BRL	52	40-140		
Aroclor-1016 [2C]	**137**		µg/kg dry	19.7	248	BRL	56	40-140		
Aroclor-1260	**161**		µg/kg dry	19.7	246	BRL	65	40-140		
Aroclor-1260 [2C]	**120**		µg/kg dry	19.7	246	BRL	49	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.8*		µg/kg dry		*19.7*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*12.8*		µg/kg dry		*19.7*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.6*		µg/kg dry		*19.7*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.7*		µg/kg dry		*19.7*		*85*	*30-150*		
Matrix Spike Dup (1320631-MSD1)			**Source: SB75688-50**		Prepared: 27-Aug-13 Analyzed: 29-Aug-13					
Aroclor-1016	**146**		µg/kg dry	20.3	254	BRL	58	40-140	10	30
Aroclor-1016 [2C]	**151**		µg/kg dry	20.3	254	BRL	60	40-140	7	30
Aroclor-1260	**180**		µg/kg dry	20.3	254	BRL	71	40-140	8	30
Aroclor-1260 [2C]	**135**		µg/kg dry	20.3	254	BRL	53	40-140	9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.2*		µg/kg dry		*20.3*		*65*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320631 - SW846 3540C										
Matrix Spike Dup (1320631-MSD1)			Source: SB75688-60		Prepared: 27-Aug-13 Analyzed: 29-Aug-13					
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*13.2*		µg/kg dry		*20.3*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*29.5*		µg/kg dry		*20.3*		*145*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.3*		µg/kg dry		*20.3*		*90*	*30-150*		
Batch 1320632 - SW846 3540C										
Blank (1320632-BLK1)					Prepared: 27-Aug-13 Analyzed: 28-Aug-13					
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*76.7*		µg/kg wet		*66.7*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
LCS (1320632-BS1)					Prepared: 27-Aug-13 Analyzed: 28-Aug-13					
Aroclor-1016	**737**		µg/kg wet	66.7	833		88	40-140		
Aroclor-1016 [2C]	**667**		µg/kg wet	66.7	833		80	40-140		
Aroclor-1260	**753**		µg/kg wet	66.7	833		90	40-140		
Aroclor-1260 [2C]	**893**		µg/kg wet	66.7	833		107	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*63.3*		µg/kg wet		*66.7*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*63.3*		µg/kg wet		*66.7*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*90.0*		µg/kg wet		*66.7*		*135*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*96.7*		µg/kg wet		*66.7*		*145*	*30-150*		
LCS Dup (1320632-BSD1)					Prepared: 27-Aug-13 Analyzed: 28-Aug-13					
Aroclor-1016	**763**		µg/kg wet	66.7	833		92	40-140	4	30
Aroclor-1016 [2C]	**667**		µg/kg wet	66.7	833		80	40-140	0	30
Aroclor-1260	**703**		µg/kg wet	66.7	833		84	40-140	7	30
Aroclor-1260 [2C]	**710**		µg/kg wet	66.7	833		85	40-140	23	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*86.7*		µg/kg wet		*66.7*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*96.7*		µg/kg wet		*66.7*		*145*	*30-150*		
Duplicate (1320632-DUP1)			Source: SB75688-80		Prepared: 27-Aug-13 Analyzed: 28-Aug-13					
Aroclor-1016	< 59.4		µg/kg dry	59.4		BRL				30

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320632 - SW846 3540C										
Duplicate (1320632-DUP1)			Source: SB75688-80		Prepared: 27-Aug-13 Analyzed: 28-Aug-13					
Aroclor-1016 [2C]	< 59.4		µg/kg dry	59.4		BRL				30
Aroclor-1221	< 59.4		µg/kg dry	59.4		BRL				30
Aroclor-1221 [2C]	< 59.4		µg/kg dry	59.4		BRL				30
Aroclor-1232	< 59.4		µg/kg dry	59.4		BRL				30
Aroclor-1232 [2C]	< 59.4		µg/kg dry	59.4		BRL				30
Aroclor-1242	< 59.4		µg/kg dry	59.4		BRL				30
Aroclor-1242 [2C]	< 59.4		µg/kg dry	59.4		BRL				30
Aroclor-1248	< 59.4		µg/kg dry	59.4		BRL				30
Aroclor-1248 [2C]	< 59.4		µg/kg dry	59.4		BRL				30
Aroclor-1254	< 59.4		µg/kg dry	59.4		BRL				30
Aroclor-1254 [2C]	< 59.4		µg/kg dry	59.4		BRL				30
Aroclor-1260	< 59.4		µg/kg dry	59.4		BRL				30
Aroclor-1260 [2C]	< 59.4		µg/kg dry	59.4		BRL				30
Aroclor-1262	< 59.4		µg/kg dry	59.4		BRL				30
Aroclor-1262 [2C]	< 59.4		µg/kg dry	59.4		BRL				30
Aroclor-1268	< 59.4		µg/kg dry	59.4		BRL				30
Aroclor-1268 [2C]	< 59.4		µg/kg dry	59.4		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*44.5*		µg/kg dry		*59.4*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*44.5*		µg/kg dry		*59.4*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*56.4*		µg/kg dry		*59.4*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*56.4*		µg/kg dry		*59.4*		*95*	*30-150*		
Matrix Spike (1320632-MS1)			Source: SB75688-80		Prepared: 27-Aug-13 Analyzed: 28-Aug-13					
Aroclor-1016	**538**		µg/kg dry	55.4	693	BRL	78	40-140		
Aroclor-1016 [2C]	**510**		µg/kg dry	55.4	693	BRL	74	40-140		
Aroclor-1260	**486**		µg/kg dry	55.4	693	BRL	70	40-140		
Aroclor-1260 [2C]	**421**		µg/kg dry	55.4	693	BRL	61	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*41.6*		µg/kg dry		*55.4*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*41.6*		µg/kg dry		*55.4*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*61.0*		µg/kg dry		*55.4*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*63.7*		µg/kg dry		*55.4*		*115*	*30-150*		
Matrix Spike Dup (1320632-MSD1)			Source: SB75688-80		Prepared: 27-Aug-13 Analyzed: 28-Aug-13					
Aroclor-1016	**458**		µg/kg dry	55.8	698	BRL	66	40-140	17	30
Aroclor-1016 [2C]	**444**		µg/kg dry	55.8	698	BRL	64	40-140	15	30
Aroclor-1260	**410**		µg/kg dry	55.8	698	BRL	59	40-140	17	30
Aroclor-1260 [2C]	**371**		µg/kg dry	55.8	698	BRL	53	40-140	13	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*36.3*		µg/kg dry		*55.8*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*36.3*		µg/kg dry		*55.8*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*61.4*		µg/kg dry		*55.8*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*50.3*		µg/kg dry		*55.8*		*90*	*30-150*		
Batch 1320768 - SW846 3540C										
Blank (1320768-BLK1)					Prepared: 28-Aug-13 Analyzed: 29-Aug-13					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320768 - SW846 3540C										
Blank (1320768-BLK1)						Prepared: 28-Aug-13 Analyzed: 29-Aug-13				
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS (1320768-BS1)						Prepared: 28-Aug-13 Analyzed: 29-Aug-13				
Aroclor-1016	**195**		µg/kg wet	20.0	250		78	40-140		
Aroclor-1016 [2C]	**186**		µg/kg wet	20.0	250		74	40-140		
Aroclor-1260	**161**		µg/kg wet	20.0	250		64	40-140		
Aroclor-1260 [2C]	**142**		µg/kg wet	20.0	250		57	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS Dup (1320768-BSD1)						Prepared: 28-Aug-13 Analyzed: 29-Aug-13				
Aroclor-1016	**192**		µg/kg wet	20.0	250		77	40-140	2	30
Aroclor-1016 [2C]	**193**		µg/kg wet	20.0	250		77	40-140	4	30
Aroclor-1280	**155**		µg/kg wet	20.0	250		62	40-140	4	30
Aroclor-1260 [2C]	**145**		µg/kg wet	20.0	250		58	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320714 - General Preparation										
Duplicate (1320714-DUP1)			Source: SB75688-01			Prepared & Analyzed: 28-Aug-13				
% Solids	98.2		%			98.1			0.06	20
Batch 1320715 - General Preparation										
Duplicate (1320715-DUP1)			Source: SB75688-21			Prepared & Analyzed: 28-Aug-13				
% Solids	98.7		%			98.8			0.08	20
Batch 1320716 - General Preparation										
Duplicate (1320716-DUP1)			Source: SB75688-41			Prepared & Analyzed: 28-Aug-13				
% Solids	99.0		%			99.1			0.1	20
Batch 1320717 - General Preparation										
Duplicate (1320717-DUP1)			Source: SB75688-61			Prepared & Analyzed: 28-Aug-13				
% Solids	99.7		%			99.8			0.1	20
Batch 1320718 - General Preparation										
Duplicate (1320718-DUP1)			Source: SB75688-81			Prepared & Analyzed: 28-Aug-13				
% Solids	99.8		%			100			0.1	20

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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

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

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

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

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

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

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

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

Validated by:
Kimberly Wisk
Rebecca Merz

CT DAS Rates Apply J

SB75688

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CHAIN OF CUSTODY RECORD

Page 1 of ____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Henry Laliberte
21 Griffin Rd North
Windsor, CT, 06095
Telephone #: 860-298-5689
Project Mgr. Henry Laliberte

Invoice To: same

P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710
Site Name: BI.A- Concourse A
Location: Windsor Lks State: CT
Sampler(s): Greg Kaczewski, Zach Pedersen

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

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: 8082/3540C

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C	State-specific reporting standards:
183688-01	CA-CO1	8/22/13	1135	G	Xl		1			X	South Jetramp
02	CA-CO2		1128								North Jetramp
03	CA-CO3		1140								SW
04	CA-CO4		14118								East Center
05	CA-CO5		1410								
06	CA-CO6		1425								
07	CA-CO7		1500								
08	CA-CO8		1504								
09	CA-CO9		1506								
10	CA-CO10		1507								

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[signature]	[signature]	8/27/13	920	
	[signature]	8/27/13	1040	

☐ EDD Format
☒ E-mail to HLaliberte@trisolution.com

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

SO/H/40IR01

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CT PAS Rate Apply J

SB75688 JB

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CHAIN OF CUSTODY RECORD

Page 2 of ____

Special Handling:
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- ☒ Rush TAT - Date Needed: 5 day
- All TAT's subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Sameapg 1

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: RQN:

Project No.: 183572.4445.0710

Site Name: BFA-Concorse A

Location: Windsor Locks State: CT

Sampler(s): GK, ZP

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

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: SOX/SSVOC

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV* ☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	SOX/SSVOC	State-specific reporting standards
75688-11	CA-CO-11	8/22/13	1507	G	X1		1			1	East Center
12	CA-CO-12		1509								
13	CA-CO 13		1534								
14	CA-CO 14		1537								
15	CA-CO 15	8/23/13	1048								West Center
16	CA-CO 16		1050								
17	CA CO 17		1053								
18	CA-CO 18		1056								
19	CA-CO 19		1059								
20	CA CO 20		1103								

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[signature]	[signature]	8-27-13	1021	
[signature]	JCH	8/27/13	1040	

☐ EDD Format
☐ E-mail to Same

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

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CHAIN OF CUSTODY RECORD

Page 3 of ____

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

Report To: Same

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: ____ RQN: ____

Project No.: 183572.4445.0710

Site Name: BIA-Concourse A

Location: Windsor Locks State: CT

Sampler(s): GK, JP

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

List preservative code below: 11

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

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: 8082/3540C

QA/QC Reporting Notes:
* additional charges may apply

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV*
☐ Other ____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C								State-specific reporting standards:
1388-21	CA-CO21	8/23/13	1107	G	A		1			1								West Center
22	CA-CO22		1111															
23	CA-CO23		1125															Northwest
24	CA-CO24		1128															
25	CA-CO25		1131															
26	CA-CO26		1134															
27	CA-CO27		1137															
28	CA-CO28		1140					1										
29	CA-CO29		1143															North
30	CA-CO30		1340															

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[signature]	[signature]	8/27/13	921	
	JLH	8/27/13	1040	

☐ EDD Format ____
☒ E-mail to Same

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

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CHAIN OF CUSTODY RECORD

Page 4 of ____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: RQN:

Project No.: 183572.4445.0210

Site Name: BIA-Concave A

Location: Windsor Locks State: CT

Sampler(s): GK, ZP

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

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: 8082/5590C

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards: NE

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/5590C	State-specific reporting standards
75688-31	CA-CO31	8/23/13	1343	G	A			1		✓	NE
32	CA-CO32		1346								
33	CA-CO33		1349								
34	CA-CO34		1353								
35	CA-CO35		1354								East Center
36	CA-CO36		1401								
37	CA-CO37		1405								
38	CA-CO38		1408								
39	CA-CO39		1412								
40	CA-CO40		1417								

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[signature]	[signature]	8-27-13	921	
[signature]	JLH	8/27/13	1040	

☐ EDD Format
☒ E-mail to Same

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

5.0 1/1/10 IR01

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Special Handling:
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- ☒ Rush TAT - Date Needed: 5 day
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- Samples disposed of after 60 days unless otherwise instructed.

Report To: same

Telephone #:

Project Mgr.

Invoice To: same

P.O. No.: RQN:

Project No.: 18357R.4445.0710

Site Name: BIA-Concrete A

Location: Windsor Locks State: CT

Sampler(s): GK, ZP

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

List preservative code below: 11

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

G=Grab C=Composite

QA/QC Reporting Notes:
* additional charges may apply

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	SOC/SVOC	State-specific reporting standards
79288-41	CA-CO 41	8/23/13	1421	G	X1			1		1	East Center
42	CA-CO 42		1425								
43	CA-CO 43		1505								South east
44	CA-CO 44		1509								
45	CA-CO 45		~~1515~~ 1515								
46	CA-CO 46		1518								
47	CA-CO 47		1522								
48	CA-CO 48		1530								West Center
49	CA-S1	8/22/13	1312			X2	1	1			
50	CA-S2		1315					1			

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		8/26/13	1600	
		8/27/13	920	
		8/27/13	1040	

☐ EDD Format
☒ E-mail to same

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

Revised Feb 2013

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CHAIN OF CUSTODY RECORD

Page 6 of ____

Special Handling:
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- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: RQN:

Project No.: 183572.4445.0710

Site Name: BTA-Concorset

Location: Windsor Locks State: CT

Sampler(s): GK, ZP

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

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: 8082/8270C

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV* ☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/8270C	State-specific reporting standards
75288-51	CA-S3	8/22/13	1318	G	X2		2			✓	West Center
52	CA-S4		1334								
53	CA-S5		1338								
54	CA-S6		1342								
55	CA-C7		1350								East Center
56	CA-S8		1350								
57	CA-S9	8/23/13	0955								
58	CA-S10		0956								
59	CA-S11		0958								
60	CA-A1	8/22/13	1435		X3						West Center.

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[signature]	[signature]	8/27/13	920	
	JH	8/27/13	1040	

☐ EDD Format
☒ E-mail to Same

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

50/-1 IR01

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CHAIN OF CUSTODY RECORD

Page 2 of ____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day
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- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same

Telephone #:

Project Mgr.

Invoice To: same

P.O. No.: RQN:

Project No.: 183572.4445.0210

Site Name: BFA Concrete A

Location: Windsor Locks State: CT

Sampler(s): GK, ZP

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

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		Analyses: 8082/5540C							State-specific reporting standards:
15188-61	CA-A2	8/22/13	1545	G	X3		1				X							East Center
62	CA-A3	8/23/13	1146					1										North
63	CA-05-SHK1-0"	8/22/13	1015		SHK		1											Janitor Closet
64	CA-CG-CM1-0"		1012		X1													Hallway Room 107
65	CA-CG-CM1-3"		1008															
66	CA-CG-CM1-6"		1004															
67	CA-CG-CM1-12"		1000															
68	CA-CG-CM2-0"		1107															G09
69	CA-CG-CM2-3"		1104															
70	CA-CG-CM2-6"		1100															

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	8/26/13	1600	
	[signature]	8/27/13	920	
	JCH	8/27/13	1040	

☐ EDD Format
☒ E-mail to SGme

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

Sol-1 4-dR

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CHAIN OF CUSTODY RECORD

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Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: RQN:

Project No.: 185572.4445.0210

Site Name: ~~CT~~ BTA-Concourse A

Location: Windsor Locks State: CT

Sampler(s): GK, ZP

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

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater BR-Brick
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air CT-Ceramic
X1= Concrete X2= X3=

G=Grab C=Composite

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		Analyses: 8260/3540C							State-specific reporting standards:
75688-71	CA-C6-CM2-12"	8/22/13	1056	G	X1		1				X							G09
72	CA-C8-BR1-0"	8/23/13	1042		BR		1											West Center
73	CA-C8-BR2-0"	8/23/13	1200					1										East Center
74	CA-WCa-CT1-0"	8/22/13	1028		CT		1											Women Bathy
75	CA-WCa-CT1-3"		1024				1											
76	CA-WCa-CO1-0"		1455		X1		1											East Center Vent
77	CA-WCa-CO1-3"		1453				1											
78	CA-WCa-CO2-0"		1532				1											East Center Door
79	CA-WCa-CO2-3"		1527				1											
80	CA-WCa-BR2-0"	8/23/13	1038		BR		1											West Center

Relinquished by:	Received by:	Date:	Time:	Temp°C
		8/26/13	1600	
		8/27/13	920	
	JM	8/27/13	1040	

☐ EDD Format
☒ E-mail to Same

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

50/-1/4.0 JR 01

PAS Rates Apply

SB750

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 9 of ____

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

Report To: same

Telephone #:

Project Mgr.

Invoice To: same

P.O. No.: RQN:

Project No.: 183522.4445.0710

Site Name: BIA Concrete A

Location: Windsor Locks State: CT

Sampler(s): GK, ZP

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

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

G=Grab C=Composite

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8260 / 3540C	
75688-81	CA-WCa-BR1-3"	8/23/13	1035	G	BR		1				West Center
82	CA-WCa-BR2-0"	8/23/13	1306					1			East Center
83	CA-WCa-BR2-3"		1303								
84	CA-WCa-Cm1-0"	8/22/13	1045		X1		1				G-08
85	CA-WCa-Cm1-3"	8/22/13	1042				1				
86	CA-WCa-Cm2-0"		1451				1				Mech 110
87	CA-WCa-Cm2-3"		1444				1				
88	CA-WCa-Cm2-C"		1445				1				
89	CA-WCa-GB1-0"		0933								Vestibule next to 112C
90	CA-WCa-GB1-3"		0930								

Relinquished by:	Received by:	Date:	Time:	Temp°C
		8/26/13	1600	
		8-27-13	9:00	
		8/27/13	(0600)	

☐ EDD Format

☒ E-mail to same

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

50/-1/4.0 IR

Revised Feb 2013

Report Date:
19-Sep-13 14:14

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

#2

Converse A

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: Conn DOT - Windsor Lock[illegible]T
Project #: 183572.4445.00710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB76867-01	CA-CC1-CM1-24"	Concrete	11-Sep-13 14:14	17-Sep-13 16:35
SB76867-02	CA-CC1-CM2-24"	Concrete	11-Sep-13 13:13	17-Sep-13 16:35
SB76867-03	CA-CC1-CM3-36"	Concrete	11-Sep-13 13:23	17-Sep-13 16:35
SB76867-04	CA-CC1-CM3-24"	Concrete	11-Sep-13 13:30	17-Sep-13 16:35
SB76867-05	CA-CC1-CM3-12"	Concrete	11-Sep-13 13:35	17-Sep-13 16:35
SB76867-06	CA-WCA-CM1-6"	Concrete	11-Sep-13 13:50	17-Sep-13 16:35

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

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

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 14 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

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

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.

Project Location: Conn DOT - Windsor Locks, CT

Project Name and Number: Conn DOT - Windsor Locks, CT / 183572.4445.00710

This form provides certification for the following data set: SB76867-01 through SB76867-06

Sample matrices:	**Analytical methods used:**
Concrete	SM2540 G Mod. SW846 8082A

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes	☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes	☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes	☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☑ Yes	☐ No *

* The compounds and/or elements reported are as 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.

Negative responses for A, B and C 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.

Nicole Leja

Nicole Leja
Laboratory Director
Date: 9/19/2013

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Conn DOT - Windsor Locks, CT

Project Number: 183572.4445.00710

Sampling Date(s):
9/11/2013

Laboratory Sample ID(s):
SB76867-01 through SB76867-06

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 9/19/2013

CASE NARRATIVE:

The samples were received 2.7 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

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

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

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

SW846 8082A

Spikes:

1322436-MSD1 *Source: SB76867-01*

The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

Aroclor-1260
Aroclor-1260 [2C]

Sample Acceptance Check Form

Client:	TRC - Windsor, CT
Project:	Conn DOT - Windsor Locks, CT / 183572.4445.00710
Work Order:	SB76867
Sample(s) received on:	9/17/2013
Received by:	Jessica Hoffman

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

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CC1-CM1-24" [redacted]67-01	183572.4445.00710	Concrete	11-Sep-13 14:14	17-Sep-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 53.6		µg/kg dry	53.6	40.1	1	SW846 8082A	17-Sep-13	18-Sep-13	IMR	1322436	X
11104-28-2	Aroclor-1221	< 53.6		µg/kg dry	53.6	48.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 53.6		µg/kg dry	53.6	34.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 53.6		µg/kg dry	53.6	32.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 53.6		µg/kg dry	53.6	27.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 53.6		µg/kg dry	53.6	44.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	3,960		µg/kg dry	53.6	26.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 53.6		µg/kg dry	53.6	50.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 53.6		µg/kg dry	53.6	22.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.2		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322513	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CC1-CM2-24" SB76867-02	183572.4445.00710	Concrete	11-Sep-13 13:13	17-Sep-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.1		µg/kg dry	63.1	47.2	1	SW846 8082A	17-Sep-13	18-Sep-13	IMR	1322436	X
11104-28-2	Aroclor-1221	< 63.1		µg/kg dry	63.1	56.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.1		µg/kg dry	63.1	40.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.1		µg/kg dry	63.1	38.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.1		µg/kg dry	63.1	32.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.1		µg/kg dry	63.1	52.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	8,990		µg/kg dry	63.1	31.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.1		µg/kg dry	63.1	58.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.1		µg/kg dry	63.1	26.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322513	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CC1-CM3-36"	183572.4445.00710	Concrete	11-Sep-13 13:23	17-Sep-13
[illegible]67-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 56.6		µg/kg dry	56.6	42.3	1	SW846 8082A	17-Sep-13	18-Sep-13	IMR	1322436	X
11104-28-2	Aroclor-1221	< 56.6		µg/kg dry	56.6	51.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.6		µg/kg dry	56.6	36.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.6		µg/kg dry	56.6	34.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.6		µg/kg dry	56.6	29.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 56.6		µg/kg dry	56.6	47.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	**4,680**		µg/kg dry	56.6	28.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.6		µg/kg dry	56.6	52.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.6		µg/kg dry	56.6	23.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**99.3**		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322513	

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CC1-CM3-24"	183572.4445.00710	Concrete	11-Sep-13 13:30	17-Sep-13
SB76867-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 56.4		µg/kg dry	56.4	42.2	1	SW846 8082A	17-Sep-13	18-Sep-13	IMR	1322436	X
11104-28-2	Aroclor-1221	< 56.4		µg/kg dry	56.4	50.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.4		µg/kg dry	56.4	36.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.4		µg/kg dry	56.4	33.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.4		µg/kg dry	56.4	29.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 56.4		µg/kg dry	56.4	47.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	7,580		µg/kg dry	58.4	28.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.4		µg/kg dry	56.4	52.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.4		µg/kg dry	56.4	23.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322513	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-CC1-CM3-12"	183572.4445.00710	Concrete	11-Sep-13 13:35	17-Sep-13
367-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.0		µg/kg dry	60.0	44.9	1	SW846 8082A	17-Sep-13	18-Sep-13	IMR	1322436	X
11104-28-2	Aroclor-1221	< 60.0		µg/kg dry	60.0	54.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.0		µg/kg dry	60.0	38.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.0		µg/kg dry	60.0	36.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.0		µg/kg dry	60.0	31.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.0		µg/kg dry	60.0	50.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	**4,080**		µg/kg dry	60.0	30.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.0		µg/kg dry	60.0	55.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.0		µg/kg dry	60.0	24.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**99.4**		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322513	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CA-WCA-CM1-6"	183572.4445.00710	Concrete	11-Sep-13 13:50	17-Sep-13
SB76867-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.3		µg/kg dry	63.3	47.3	1	SW846 8082A	17-Sep-13	18-Sep-13	IMR	1322436	X
11104-28-2	Aroclor-1221	< 63.3		µg/kg dry	63.3	57.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.3		µg/kg dry	63.3	40.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.3		µg/kg dry	63.3	38.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.3		µg/kg dry	63.3	32.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.3		µg/kg dry	63.3	52.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	**10,100**		µg/kg dry	63.3	31.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.3		µg/kg dry	63.3	59.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.3		µg/kg dry	63.3	26.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*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	99.5		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322513	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1322436 - SW846 3540C										
Blank (1322436-BLK1)						Prepared: 17-Sep-13 Analyzed: 19-Sep-13				
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
LCS (1322436-BS1)						Prepared: 17-Sep-13 Analyzed: 19-Sep-13				
Aroclor-1016	**210**		µg/kg wet	20.0	250		84	40-140		
Aroclor-1016 [2C]	**201**		µg/kg wet	20.0	250		80	40-140		
Aroclor-1260	**195**		µg/kg wet	20.0	250		78	40-140		
Aroclor-1260 [2C]	**189**		µg/kg wet	20.0	250		76	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*14.0*		µg/kg wet		*20.0*		*70*	*30-150*		
LCS Dup (1322436-BSD1)						Prepared: 17-Sep-13 Analyzed: 19-Sep-13				
Aroclor-1016	**211**		µg/kg wet	20.0	250		84	40-140	0.5	30
Aroclor-1016 [2C]	**202**		µg/kg wet	20.0	250		81	40-140	0.5	30
Aroclor-1260	**198**		µg/kg wet	20.0	250		79	40-140	2	30
Aroclor-1260 [2C]	**196**		µg/kg wet	20.0	250		78	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Duplicate (1322436-DUP1)			Source: SB76867-01			Prepared: 17-Sep-13 Analyzed: 18-Sep-13				
Aroclor-1016	< 54.8		µg/kg dry	54.8		BRL				30
Aroclor-1016 [2C]	< 54.8		µg/kg dry	54.8		BRL				30
Aroclor-1221	< 54.8		µg/kg dry	54.8		BRL				30
Aroclor-1221 [2C]	< 54.8		µg/kg dry	54.8		BRL				30
Aroclor-1232	< 54.8		µg/kg dry	54.8		BRL				30
Aroclor-1232 [2C]	< 54.8		µg/kg dry	54.8		BRL				30
Aroclor-1242	< 54.8		µg/kg dry	54.8		BRL				30
Aroclor-1242 [2C]	< 54.8		µg/kg dry	54.8		BRL				30
Aroclor-1248	< 54.8		µg/kg dry	54.8		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1322436 - SW846 3540C										
Duplicate (1322436-DUP1)			Source: SB76867-01		Prepared: 17-Sep-13 Analyzed: 18-Sep-13					
Aroclor-1248 [2C]	< 54.8		µg/kg dry	54.8		BRL				30
Aroclor-1254	< 54.8		µg/kg dry	54.8		BRL				30
Aroclor-1254 [2C]	< 54.8		µg/kg dry	54.8		BRL				30
Aroclor-1260	**3980**		µg/kg dry	54.8		3520			12	30
Aroclor-1260 [2C]	**4330**		µg/kg dry	54.8		3960			9	30
Aroclor-1262	< 54.8		µg/kg dry	54.8		BRL				30
Aroclor-1262 [2C]	< 54.8		µg/kg dry	54.8		BRL				30
Aroclor-1268	< 54.8		µg/kg dry	54.8		BRL				30
Aroclor-1268 [2C]	< 54.8		µg/kg dry	54.8		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*41.1*		µg/kg dry		*54.8*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*32.9*		µg/kg dry		*54.8*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*38.4*		µg/kg dry		*54.8*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*41.1*		µg/kg dry		*54.8*		*75*	*30-150*		
Matrix Spike (1322436-MS1)			Source: SB76867-01		Prepared: 17-Sep-13 Analyzed: 18-Sep-13					
Aroclor-1016	**635**		µg/kg dry	60.5	756	BRL	84	40-140		
Aroclor-1016 [2C]	**668**		µg/kg dry	60.5	756	BRL	88	40-140		
Aroclor-1260	**4060**		µg/kg dry	60.5	756	3520	71	40-140		
Aroclor-1260 [2C]	**4580**		µg/kg dry	60.5	756	3960	83	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*42.3*		µg/kg dry		*60.5*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*39.3*		µg/kg dry		*60.5*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*42.3*		µg/kg dry		*60.5*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*42.3*		µg/kg dry		*60.5*		*70*	*30-150*		
Matrix Spike Dup (1322436-MSD1)			Source: SB76867-01		Prepared: 17-Sep-13 Analyzed: 18-Sep-13					
Aroclor-1016	**698**		µg/kg dry	60.5	756	BRL	92	40-140	10	30
Aroclor-1016 [2C]	**783**		µg/kg dry	60.5	756	BRL	104	40-140	16	30
Aroclor-1260	**4380**	QR2	µg/kg dry	60.5	756	3520	114	40-140	47	30
Aroclor-1260 [2C]	**4840**	QR2	µg/kg dry	60.5	756	3960	117	40-140	34	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*45.3*		µg/kg dry		*60.5*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*30.2*		µg/kg dry		*60.5*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*48.4*		µg/kg dry		*60.5*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*42.3*		µg/kg dry		*60.5*		*70*	*30-150*		

Notes and Definitions

QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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

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

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

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

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

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

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

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

Validated by:
Nicole Leja

Utilize CT DAS Rates ✓ 3076367 JB

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 48 Hr TAT
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Henry Laliberte
21 Griffin Rd North
Windsor CT 06095
(TRC)
Telephone #: 860 298 6266
Project Mgr. H. Laliberte

Invoice To: H. Laliberte

P.O. No.: 193572 RQN:

Project No.: 193572-4445-00710
Site Name: CT DOT - BIA - Concourse A
Location: Windsor Locks State: CT
Sampler(s): M. Kostuchka / T. Morton

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

List preservative code below:

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

G=Grab C=Composite

QA/QC Reporting Notes:
* additional charges may apply

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV* ☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		Analyses: 8082/35 ppc								State-specific reporting standards:
76807-01	CA-CC1-CM1-24"	9/11/13	1414	G	X1			1			X								Hall o/s rm 175
02	CA-CC1-CM2-24"	↓	1313	↓	↓			↓			X								G09
03	CA-CC1-CM3-36"		1323								X								G10
04	CA-CC1-CM3-24"		1330								X								↓
05	CA-CC1-CM3-12"		1335								X								
06	CA-WCa-CM1-6"		1350								X								G08

32/4/27 IR 01

Relinquished by:	Received by:	Date:	Time:	Temp°C
Jet	Jet	9-17-13	3:35	
		9/17/13	1635	

☐ EDD Format
☒ E-mail to HLaliberte@TRCSolutions.com

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

Report Date:
12-Aug-13 16:06

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

#1 Concourse B

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: Bradley International Airport-Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB74359-01	CB-GC-A1	Asphalt	29-Jul-13 15:24	05-Aug-13 16:00
SB74359-02	CB-GC-A2	Asphalt	29-Jul-13 15:40	05-Aug-13 16:00
SB74359-03	CB-GC-A3	Asphalt	29-Jul-13 15:45	05-Aug-13 16:00
SB74359-04	CB-GC-A4	Asphalt	29-Jul-13 16:00	05-Aug-13 16:00
SB74359-05	CB-GC-A5	Asphalt	29-Jul-13 16:05	05-Aug-13 16:00
SB74359-06	CB-GC-A6	Asphalt	30-Jul-13 11:58	05-Aug-13 16:00
SB74359-07	CB-GC-A7	Asphalt	30-Jul-13 12:07	05-Aug-13 16:00
SB74359-08	CB-GC-A8	Asphalt	30-Jul-13 14:15	05-Aug-13 16:00
SB74359-09	CB-GC-A9	Asphalt	30-Jul-13 14:21	05-Aug-13 16:00
SB74359-10	CB-GC-S1	Soil	30-Jul-13 10:20	05-Aug-13 16:00
SB74359-11	CB-GC-S2	Soil	30-Jul-13 10:25	05-Aug-13 16:00
SB74359-12	CB-GC-S3	Soil	30-Jul-13 10:27	05-Aug-13 16:00
SB74359-13	CB-GC-CO1	Concrete	29-Jul-13 12:35	05-Aug-13 16:00
SB74359-14	CB-GC-CO2	Concrete	29-Jul-13 12:40	05-Aug-13 16:00
SB74359-15	CB-GC-CO3	Concrete	29-Jul-13 12:45	05-Aug-13 16:00
SB74359-16	CB-GC-CO4	Concrete	29-Jul-13 13:00	05-Aug-13 16:00
SB74359-17	CB-GC-CO5	Concrete	29-Jul-13 13:05	05-Aug-13 16:00
SB74359-18	CB-GC-CO6	Concrete	29-Jul-13 13:10	05-Aug-13 16:00
SB74359-19	CB-GC-CO7	Concrete	29-Jul-13 13:10	05-Aug-13 16:00
SB74359-20	CB-GC-CO8	Concrete	29-Jul-13 15:22	05-Aug-13 16:00
SB74359-21	CB-GC-CO9	Concrete	29-Jul-13 15:51	05-Aug-13 16:00
SB74359-22	CB-GC-C10	Concrete	29-Jul-13 15:56	05-Aug-13 16:00
SB74359-23	CB-GC-C11	Concrete	29-Jul-13 16:11	05-Aug-13 16:00
SB74359-24	CB-GC-C12	Concrete	29-Jul-13 16:15	05-Aug-13 16:00
SB74359-25	CB-GC-C13	Concrete	30-Jul-13 11:10	05-Aug-13 16:00
SB74359-26	CB-GC-C14	Concrete	30-Jul-13 11:15	05-Aug-13 16:00
SB74359-27	CB-GC-C15	Concrete	30-Jul-13 11:18	05-Aug-13 16:00
SB74359-28	CB-GC-C16	Concrete	30-Jul-13 11:31	05-Aug-13 16:00
SB74359-29	CB-GC-C17	Concrete	30-Jul-13 11:26	05-Aug-13 16:00
SB74359-30	CB-GC-C18	Concrete	30-Jul-13 11:21	05-Aug-13 16:00
SB74359-31	CB-GC-C19	Concrete	30-Jul-13 11:54	05-Aug-13 16:00
SB74359-32	CB-GC-C20	Concrete	30-Jul-13 12:03	05-Aug-13 16:00
SB74359-33	CB-GC-C21	Concrete	30-Jul-13 11:58	05-Aug-13 16:00
SB74359-34	CB-C2-CM 1-0"	Concrete	30-Jul-13 10:10	05-Aug-13 16:00
SB74359-35	CB-C2-CM 2-0"	Concrete	30-Jul-13 10:35	05-Aug-13 16:00
SB74359-36	CB-C2-CO 1-0"	Concrete	30-Jul-13 09:56	05-Aug-13 16:00
SB74359-37	CB-C2-CO 2-0"	Concrete	30-Jul-13 10:20	05-Aug-13 16:00

SB74359-38	CB-C2-BR 1-0"	Brick	30-Jul-13 10:03	05-Aug-13 16:00
SB74359-39	CB-C2-BR 2-0"	Brick	30-Jul-13 10:30	05-Aug-13 16:00
SB74359-40	CB-C4-BR 1-0"	Brick	29-Jul-13 14:25	05-Aug-13 16:00
SB74359-41	CB-C4-BR 1-3"	Brick	29-Jul-13 14:20	05-Aug-13 16:00
SB74359-42	CB-C4-BR 2-0"	Brick	29-Jul-13 14:50	05-Aug-13 16:00
SB74359-43	CB-C4-BR 2-3"	Brick	29-Jul-13 14:46	05-Aug-13 16:00
SB74359-44	CB-C4-BR 3-0"	Brick	30-Jul-13 12:15	05-Aug-13 16:00
SB74359-45	CB-C4-BR 3-3"	Brick	30-Jul-13 12:20	05-Aug-13 16:00

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

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

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 57 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

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

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Bradley International Airport-Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
7/29/2013 through 7/30/2013

Laboratory Sample ID(s):
SB74359-01 through SB74359-45

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 8/12/2013

CASE NARRATIVE:

The samples were received 3.0 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.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

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

SW846 8082A

Spikes:

1318675-MSD1 *Source: SB74359-11*

The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

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

Samples:

SB74359-35 *CB-C2-CM 2-0"*

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

Decachlorobiphenyl (Sr)

Sample Acceptance Check Form

Client:	TRC - Windsor, CT
Project:	Bradley International Airport-Windsor Locks, CT / 183572.4445.0710
Work Order:	SB74359
Sample(s) received on:	8/5/2013
Received by:	Jessica Hoffman

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

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-A1 SB74359-01	183572.4445.0710	Asphalt	29-Jul-13 15:24	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 56.3		µg/kg dry	56.3	42.1	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318705	X
11104-28-2	Aroclor-1221	< 56.3		µg/kg dry	56.3	50.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.3		µg/kg dry	56.3	36.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.3		µg/kg dry	56.3	33.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.3		µg/kg dry	56.3	29.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	**149**		µg/kg dry	56.3	33.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**62.0**		µg/kg dry	56.3	34.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.3		µg/kg dry	56.3	52.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.3		µg/kg dry	56.3	23.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**98.4**		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-A2 [illegible]4359-02	183572.4445.0710	Asphalt	29-Jul-13 15:40	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.0		µg/kg dry	60.0	44.8	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318705	X
11104-28-2	Aroclor-1221	< 60.0		µg/kg dry	60.0	54.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.0		µg/kg dry	60.0	38.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.0		µg/kg dry	60.0	36.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.0		µg/kg dry	60.0	31.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.0		µg/kg dry	60.0	50.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.0		µg/kg dry	60.0	37.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.0		µg/kg dry	60.0	55.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.0		µg/kg dry	60.0	24.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-A3	183572.4445.0710	Asphalt	29-Jul-13 15:45	05-Aug-13
SB74359-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.3		µg/kg dry	61.3	45.8	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318705	X
11104-28-2	Aroclor-1221	< 61.3		µg/kg dry	61.3	55.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.3		µg/kg dry	61.3	39.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.3		µg/kg dry	61.3	36.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1246	< 61.3		µg/kg dry	61.3	31.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.3		µg/kg dry	61.3	51.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.3		µg/kg dry	61.3	38.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.3		µg/kg dry	61.3	57.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.3		µg/kg dry	61.3	25.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-A4	183572.4445.0710	Asphalt	29-Jul-13 16:00	05-Aug-13
[redacted]59-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.6		µg/kg dry	65.6	49.0	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318705	X
11104-28-2	Aroclor-1221	< 65.6		µg/kg dry	65.6	59.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.6		µg/kg dry	65.6	42.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.6		µg/kg dry	65.6	39.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.6		µg/kg dry	65.6	34.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.6		µg/kg dry	65.6	54.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.6		µg/kg dry	65.6	40.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.6		µg/kg dry	65.6	61.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.6		µg/kg dry	65.6	27.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-A5 SB74359-05	183572.4445.0710	Asphalt	29-Jul-13 16:05	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 54.2		µg/kg dry	54.2	40.5	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318705	X
11104-28-2	Aroclor-1221	< 54.2		µg/kg dry	54.2	48.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 54.2		µg/kg dry	54.2	34.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.2		µg/kg dry	54.2	32.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 54.2		µg/kg dry	54.2	28.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 54.2		µg/kg dry	54.2	45.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	97.6		µg/kg dry	54.2	27.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 54.2		µg/kg dry	54.2	50.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54.2		µg/kg dry	54.2	22.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-A6 [illegible]4359-06	183572.4445.0710	Asphalt	30-Jul-13 11:58	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 56.9		µg/kg dry	56.9	42.5	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318705	X
11104-28-2	Aroclor-1221	< 56.9		µg/kg dry	56.9	51.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.9		µg/kg dry	56.9	36.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.9		µg/kg dry	56.9	34.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.9		µg/kg dry	56.9	29.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 56.9		µg/kg dry	56.9	47.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 56.9		µg/kg dry	56.9	35.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1282	< 56.9		µg/kg dry	56.9	53.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.9		µg/kg dry	56.9	23.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318716	

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

* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-A7	183572.4445.0710	Asphalt	30-Jul-13 12:07	05-Aug-13
SB74359-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 53.1		µg/kg dry	53.1	39.7	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318705	X
11104-28-2	Aroclor-1221	< 53.1		µg/kg dry	53.1	47.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 53.1		µg/kg dry	53.1	34.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 53.1		µg/kg dry	53.1	31.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 53.1		µg/kg dry	53.1	27.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	356		µg/kg dry	53.1	31.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 53.1		µg/kg dry	53.1	32.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 53.1		µg/kg dry	53.1	49.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 53.1		µg/kg dry	53.1	21.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-A8	183572.4445.0710	Asphalt	30-Jul-13 14:15	05-Aug-13
S[illegible]359-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 51.7		µg/kg dry	51.7	38.6	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318705	X
11104-28-2	Aroclor-1221	< 51.7		µg/kg dry	51.7	46.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 51.7		µg/kg dry	51.7	33.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 51.7		µg/kg dry	51.7	31.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 51.7		µg/kg dry	51.7	26.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	409		µg/kg dry	51.7	30.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 51.7		µg/kg dry	51.7	32.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 51.7		µg/kg dry	51.7	48.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 51.7		µg/kg dry	51.7	21.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-A9				
SB74359-09	183572.4445.0710	Asphalt	30-Jul-13 14:21	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 53.3		µg/kg dry	53.3	39.8	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318705	X
11104-28-2	Aroclor-1221	< 53.3		µg/kg dry	53.3	48.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 53.3		µg/kg dry	53.3	34.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 53.3		µg/kg dry	53.3	32.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 53.3		µg/kg dry	53.3	27.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	908		µg/kg dry	53.3	31.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 53.3		µg/kg dry	53.3	33.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 53.3		µg/kg dry	53.3	49.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1266	< 53.3		µg/kg dry	53.3	22.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*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]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-S1 S[illegible]59-10	183572.4445.0710	Soil	30-Jul-13 10:20	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 20.1		µg/kg dry	20.1	15.0	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318705	X
11104-28-2	Aroclor-1221	< 20.1		µg/kg dry	20.1	18.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.1		µg/kg dry	20.1	12.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 20.1		µg/kg dry	20.1	12.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 20.1		µg/kg dry	20.1	10.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	34.1		µg/kg dry	20.1	16.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	45.2		µg/kg dry	20.1	12.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.1		µg/kg dry	20.1	18.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 20.1		µg/kg dry	20.1	8.28	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	93.5		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318716	

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* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-S2	183572.4445.0710	Soil	30-Jul-13 10:25	05-Aug-13
SB74359-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 19.8		µg/kg dry	19.8	14.8	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318675	X
11104-28-2	Aroclor-1221	< 19.8		µg/kg dry	19.8	17.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.8		µg/kg dry	19.8	12.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 19.8		µg/kg dry	19.8	11.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 19.8		µg/kg dry	19.8	10.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	25.8		µg/kg dry	19.8	16.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 19.8		µg/kg dry	19.8	12.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19.8		µg/kg dry	19.8	18.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 19.8		µg/kg dry	19.8	8.19	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*145*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.3		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-S3 [illegible]1359-12	183572.4445.0710	Soil	30-Jul-13 10:27	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.0		µg/kg dry	21.0	15.7	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318675	X
11104-28-2	Aroclor-1221	< 21.0		µg/kg dry	21.0	19.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.0		µg/kg dry	21.0	13.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.0		µg/kg dry	21.0	12.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.0		µg/kg dry	21.0	10.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	28.4		µg/kg dry	21.0	17.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	54.7		µg/kg dry	21.0	13.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.0		µg/kg dry	21.0	19.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.0		µg/kg dry	21.0	8.68	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	93.8		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318716	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-CO1 SB74359-13	183572.4445.0710	Concrete	29-Jul-13 12:35	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.9		µg/kg dry	63.9	47.7	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318675	X
11104-28-2	Aroclor-1221	< 63.9		µg/kg dry	63.9	57.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.9		µg/kg dry	63.9	41.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.9		µg/kg dry	63.9	38.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1246	< 63.9		µg/kg dry	63.9	33.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.9		µg/kg dry	63.9	53.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.9		µg/kg dry	63.9	39.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.9		µg/kg dry	63.9	59.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.9		µg/kg dry	63.9	26.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-CO2 SP74359-14	183572.4445.0710	Concrete	29-Jul-13 12:40	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.4		µg/kg dry	63.4	47.3	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318675	X
11104-28-2	Aroclor-1221	< 63.4		µg/kg dry	63.4	57.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.4		µg/kg dry	63.4	40.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.4		µg/kg dry	63.4	38.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.4		µg/kg dry	63.4	33.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.4		µg/kg dry	63.4	52.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.4		µg/kg dry	63.4	39.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.4		µg/kg dry	63.4	59.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.4		µg/kg dry	63.4	26.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.2		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-CO3 SB74359-15	183572.4445.0710	Concrete	29-Jul-13 12:45	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 67.4		µg/kg dry	67.4	50.4	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318675	X
11104-28-2	Aroclor-1221	< 67.4		µg/kg dry	67.4	60.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 67.4		µg/kg dry	67.4	43.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 67.4		µg/kg dry	67.4	40.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 67.4		µg/kg dry	67.4	35.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 67.4		µg/kg dry	67.4	56.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 67.4		µg/kg dry	67.4	41.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 67.4		µg/kg dry	67.4	62.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 67.4		µg/kg dry	67.4	27.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-CO4 [illegible]359-16	183572.4445.0710	Concrete	29-Jul-13 13:00	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.1		µg/kg dry	66.1	49.4	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318675	X
11104-28-2	Aroclor-1221	< 66.1		µg/kg dry	66.1	59.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.1		µg/kg dry	66.1	42.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.1		µg/kg dry	66.1	39.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.1		µg/kg dry	66.1	34.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.1		µg/kg dry	66.1	55.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.1		µg/kg dry	66.1	41.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.1		µg/kg dry	66.1	61.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.1		µg/kg dry	66.1	27.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-CO5	183572.4445.0710	Concrete	29-Jul-13 13:05	05-Aug-13
SB74359-17				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.6		µg/kg dry	57.6	43.0	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318675	X
11104-28-2	Aroclor-1221	< 57.6		µg/kg dry	57.6	51.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.6		µg/kg dry	57.6	37.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.6		µg/kg dry	57.6	34.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.6		µg/kg dry	57.6	30.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 57.6		µg/kg dry	57.6	48.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.6		µg/kg dry	57.6	35.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.6		µg/kg dry	57.6	53.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.6		µg/kg dry	57.6	23.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.4		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-CO6	183572.4445.0710	Concrete	29-Jul-13 13:10	05-Aug-13
S[illegible]359-18				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.5		µg/kg dry	59.5	44.4	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318675	X
11104-28-2	Aroclor-1221	< 59.5		µg/kg dry	59.5	53.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.5		µg/kg dry	59.5	38.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.5		µg/kg dry	59.5	35.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.5		µg/kg dry	59.5	30.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 59.5		µg/kg dry	59.5	49.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.5		µg/kg dry	59.5	36.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.5		µg/kg dry	59.5	55.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.5		µg/kg dry	59.5	24.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-CO7 SB74359-19	183572.4445.0710	Concrete	29-Jul-13 13:10	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.5		µg/kg dry	59.5	44.4	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318675	X
11104-28-2	Aroclor-1221	< 59.5		µg/kg dry	59.5	53.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.5		µg/kg dry	59.5	38.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.5		µg/kg dry	59.5	35.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.5		µg/kg dry	59.5	30.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 59.5		µg/kg dry	59.5	49.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.5		µg/kg dry	59.5	36.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.5		µg/kg dry	59.5	55.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.5		µg/kg dry	59.5	24.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*35*			*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]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318716	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-CO8	183572.4445.0710	Concrete	29-Jul-13 15:22	05-Aug-13
S[illegible]4359-20				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.2		µg/kg dry	63.2	47.2	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318675	X
11104-28-2	Aroclor-1221	< 63.2		µg/kg dry	63.2	57.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.2		µg/kg dry	63.2	40.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.2		µg/kg dry	63.2	38.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.2		µg/kg dry	63.2	32.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.2		µg/kg dry	63.2	52.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.2		µg/kg dry	63.2	39.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.2		µg/kg dry	63.2	58.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.2		µg/kg dry	63.2	26.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.7		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318716	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-CO9 SB74359-21	183572.4445.0710	Concrete	29-Jul-13 15:51	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.6		µg/kg dry	61.6	46.1	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318675	X
11104-28-2	Aroclor-1221	< 61.6		µg/kg dry	61.6	55.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.6		µg/kg dry	61.6	39.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.6		µg/kg dry	61.6	37.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	< 61.6		µg/kg dry	61.6	27.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.6		µg/kg dry	61.6	51.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.6		µg/kg dry	61.6	38.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.6		µg/kg dry	61.6	57.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.6		µg/kg dry	61.6	25.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-C10 [illegible]4359-22	183572.4445.0710	Concrete	29-Jul-13 15:56	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.3		µg/kg dry	64.3	48.0	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318675	X
11104-28-2	Aroclor-1221	< 64.3		µg/kg dry	64.3	57.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.3		µg/kg dry	64.3	41.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.3		µg/kg dry	64.3	38.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.3		µg/kg dry	64.3	33.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.3		µg/kg dry	64.3	53.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.3		µg/kg dry	64.3	39.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.3		µg/kg dry	64.3	59.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.3		µg/kg dry	64.3	26.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318717	

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* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-C11	183572.4445.0710	Concrete	29-Jul-13 16:11	05-Aug-13
SB74359-23				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.6		µg/kg dry	64.6	48.3	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318675	X
11104-28-2	Aroclor-1221	< 64.6		µg/kg dry	64.6	58.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.6		µg/kg dry	64.6	41.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.6		µg/kg dry	64.6	38.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.6		µg/kg dry	64.6	33.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.6		µg/kg dry	64.6	53.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.6		µg/kg dry	64.6	40.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.6		µg/kg dry	64.6	60.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.6		µg/kg dry	64.6	26.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-C12 [illegible]4359-24	183572.4445.0710	Concrete	29-Jul-13 16:15	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 53.6		µg/kg dry	53.6	40.0	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318675	X
11104-28-2	Aroclor-1221	< 53.6		µg/kg dry	53.6	48.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 53.6		µg/kg dry	53.6	34.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 53.6		µg/kg dry	53.6	32.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 53.6		µg/kg dry	53.6	27.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 53.6		µg/kg dry	53.6	44.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	123		µg/kg dry	53.6	33.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 53.6		µg/kg dry	53.6	49.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 53.6		µg/kg dry	53.6	22.1	1	"	"	"	"	"	X
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 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-C13	183572.4445.0710	Concrete	30-Jul-13 11:10	05-Aug-13
SB74359-25				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.5		µg/kg dry	62.5	46.7	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318675	X
11104-28-2	Aroclor-1221	< 62.5		µg/kg dry	62.5	56.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.5		µg/kg dry	62.5	40.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.5		µg/kg dry	62.5	37.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.5		µg/kg dry	62.5	32.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.5		µg/kg dry	62.5	52.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.5		µg/kg dry	62.5	38.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.5		µg/kg dry	62.5	58.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.5		µg/kg dry	62.5	25.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-C14	183572.4445.0710	Concrete	30-Jul-13 11:15	05-Aug-13
S[illegible]59-26				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 51.8		µg/kg dry	51.8	38.7	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318675	X
11104-28-2	Aroclor-1221	< 51.8		µg/kg dry	51.8	46.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 51.8		µg/kg dry	51.8	33.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 51.8		µg/kg dry	51.8	31.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 51.8		µg/kg dry	51.8	27.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 51.8		µg/kg dry	51.8	43.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 51.8		µg/kg dry	51.8	32.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 51.8		µg/kg dry	51.8	48.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 51.8		µg/kg dry	51.8	21.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-C15 SB74359-27	183572.4445.0710	Concrete	30-Jul-13 11:18	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.5		µg/kg dry	57.5	42.9	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318675	X
11104-28-2	Aroclor-1221	< 57.5		µg/kg dry	57.5	51.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.5		µg/kg dry	57.5	36.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.5		µg/kg dry	57.5	34.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.5		µg/kg dry	57.5	29.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 57.5		µg/kg dry	57.5	47.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.5		µg/kg dry	57.5	35.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.5		µg/kg dry	57.5	53.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.5		µg/kg dry	57.5	23.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.4		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-C16 S[illegible]359-28	183572.4445.0710	Concrete	30-Jul-13 11:31	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 51.7		µg/kg dry	51.7	38.6	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318675	X
11104-28-2	Aroclor-1221	< 51.7		µg/kg dry	51.7	46.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 51.7		µg/kg dry	51.7	33.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 51.7		µg/kg dry	51.7	31.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 51.7		µg/kg dry	51.7	26.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 51.7		µg/kg dry	51.7	43.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 51.7		µg/kg dry	51.7	32.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 51.7		µg/kg dry	51.7	48.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 51.7		µg/kg dry	51.7	21.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318717	

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* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-C17 SB74359-29	183572.4445.0710	Concrete	30-Jul-13 11:26	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.5		µg/kg dry	58.5	43.7	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318675	X
11104-28-2	Aroclor-1221	< 58.5		µg/kg dry	58.5	52.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.5		µg/kg dry	58.5	37.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.5		µg/kg dry	58.5	35.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.5		µg/kg dry	58.5	30.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 58.5		µg/kg dry	58.5	48.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.5		µg/kg dry	58.5	36.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.5		µg/kg dry	58.5	54.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.5		µg/kg dry	58.5	24.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.3		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-C18 S[illegible]59-30	183572.4445.0710	Concrete	30-Jul-13 11:21	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.2		µg/kg dry	66.2	49.5	1	SW846 8082A	06-Aug-13	08-Aug-13	IMR	1318675	X
11104-28-2	Aroclor-1221	< 66.2		µg/kg dry	66.2	59.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.2		µg/kg dry	66.2	42.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.2		µg/kg dry	66.2	39.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.2		µg/kg dry	66.2	34.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.2		µg/kg dry	66.2	55.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.2		µg/kg dry	66.2	41.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.2		µg/kg dry	66.2	61.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.2		µg/kg dry	66.2	27.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.8		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-C19				
SB74359-31	183572.4445.0710	Concrete	30-Jul-13 11:54	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.9		µg/kg dry	66.9	50.0	1	SW846 8082A	06-Aug-13	09-Aug-13	BLM	1318726	X
11104-28-2	Aroclor-1221	< 66.9		µg/kg dry	66.9	60.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.9		µg/kg dry	66.9	43.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.9		µg/kg dry	66.9	40.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.9		µg/kg dry	66.9	34.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.9		µg/kg dry	66.9	55.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.9		µg/kg dry	66.9	41.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.9		µg/kg dry	66.9	62.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.9		µg/kg dry	66.9	27.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.4		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-C20 S[illegible]359-32	183572.4445.0710	Concrete	30-Jul-13 12:03	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.0		µg/kg dry	58.0	43.3	1	SW846 8082A	06-Aug-13	09-Aug-13	BLM	1318726	X
11104-28-2	Aroclor-1221	< 58.0		µg/kg dry	58.0	52.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.0		µg/kg dry	58.0	37.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.0		µg/kg dry	58.0	34.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.0		µg/kg dry	58.0	30.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 58.0		µg/kg dry	58.0	48.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.0		µg/kg dry	58.0	36.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.0		µg/kg dry	58.0	54.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.0		µg/kg dry	58.0	23.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*135*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-GC-C21	183572.4445.0710	Concrete	30-Jul-13 11:58	05-Aug-13
SB74359-33				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 55.3		µg/kg dry	55.3	41.3	1	SW846 8082A	06-Aug-13	09-Aug-13	BLM	1318726	X
11104-28-2	Aroclor-1221	< 55.3		µg/kg dry	55.3	49.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.3		µg/kg dry	55.3	35.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.3		µg/kg dry	55.3	33.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.3		µg/kg dry	55.3	28.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 55.3		µg/kg dry	55.3	46.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 55.3		µg/kg dry	55.3	34.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 55.3		µg/kg dry	55.3	51.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 55.3		µg/kg dry	55.3	22.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*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]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C2-CM 1-0"	183572.4445.0710	Concrete	30-Jul-13 10:10	05-Aug-13
[illegible]359-34				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 55.5		µg/kg dry	55.5	41.5	1	SW846 8082A	06-Aug-13	09-Aug-13	BLM	1318726	X
11104-28-2	Aroclor-1221	< 55.5		µg/kg dry	55.5	50.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.5		µg/kg dry	55.5	35.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.5		µg/kg dry	55.5	33.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.5		µg/kg dry	55.5	28.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	186		µg/kg dry	55.5	32.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	111		µg/kg dry	55.5	27.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 55.5		µg/kg dry	55.5	51.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 55.5		µg/kg dry	55.5	22.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C2-CM 2-0" SB74359-35	183572.4445.0710	Concrete	30-Jul-13 10:35	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.3		µg/kg dry	62.3	46.5	1	SW846 8082A	06-Aug-13	09-Aug-13	BLM	1318726	X
11104-28-2	Aroclor-1221	< 62.3		µg/kg dry	62.3	56.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.3		µg/kg dry	62.3	40.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.3		µg/kg dry	62.3	37.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.3		µg/kg dry	62.3	32.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.3		µg/kg dry	62.3	51.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.3		µg/kg dry	62.3	38.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.3		µg/kg dry	62.3	58.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.3		µg/kg dry	62.3	25.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*165*	SGC		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C2-CO 1-0"	183572.4445.0710	Concrete	30-Jul-13 09:56	05-Aug-13
[illegible]359-36				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.4		µg/kg dry	57.4	42.9	1	SW846 8082A	06-Aug-13	09-Aug-13	BLM	1318726	X
11104-28-2	Aroclor-1221	< 57.4		µg/kg dry	57.4	51.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.4		µg/kg dry	57.4	36.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.4		µg/kg dry	57.4	34.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.4		µg/kg dry	57.4	29.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 57.4		µg/kg dry	57.4	47.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.4		µg/kg dry	57.4	35.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.4		µg/kg dry	57.4	53.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.4		µg/kg dry	57.4	23.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C2-CO 2-0" SB74359-37	183572.4445.0710	Concrete	30-Jul-13 10:20	05-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.7		µg/kg dry	62.7	46.8	1	SW846 8082A	06-Aug-13	09-Aug-13	BLM	1318726	X
11104-28-2	Aroclor-1221	< 62.7		µg/kg dry	62.7	56.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.7		µg/kg dry	62.7	40.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.7		µg/kg dry	62.7	37.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.7		µg/kg dry	62.7	32.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.7		µg/kg dry	62.7	52.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.7		µg/kg dry	62.7	38.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.7		µg/kg dry	62.7	58.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.7		µg/kg dry	62.7	25.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C2-BR 1-0"	183572.4445.0710	Brick	30-Jul-13 10:03	05-Aug-13
[illegible]359-38				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.2		µg/kg dry	60.2	45.0	1	SW846 8082A	06-Aug-13	09-Aug-13	BLM	1318726	X
11104-28-2	Aroclor-1221	< 60.2		µg/kg dry	60.2	54.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.2		µg/kg dry	60.2	38.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.2		µg/kg dry	60.2	36.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.2		µg/kg dry	60.2	31.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.2		µg/kg dry	60.2	50.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.2		µg/kg dry	60.2	37.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.2		µg/kg dry	60.2	56.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.2		µg/kg dry	60.2	24.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C2-BR 2-0"	183572.4445.0710	Brick	30-Jul-13 10:30	05-Aug-13
SB74359-39				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 54.1		µg/kg dry	54.1	40.4	1	SW846 8082A	06-Aug-13	09-Aug-13	BLM	1318726	X
11104-28-2	Aroclor-1221	< 54.1		µg/kg dry	54.1	46.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 54.1		µg/kg dry	54.1	34.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.1		µg/kg dry	54.1	32.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 54.1		µg/kg dry	54.1	28.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 54.1		µg/kg dry	54.1	45.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 54.1		µg/kg dry	54.1	33.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 54.1		µg/kg dry	54.1	50.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54.1		µg/kg dry	54.1	22.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	100		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318717	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C4-BR 1-0"	183572.4445.0710	Brick	29-Jul-13 14:25	05-Aug-13
S[illegible]59-40				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 55.1		µg/kg dry	55.1	41.2	1	SW846 8082A	06-Aug-13	09-Aug-13	BLM	1318726	X
11104-28-2	Aroclor-1221	< 55.1		µg/kg dry	55.1	49.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.1		µg/kg dry	55.1	35.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.1		µg/kg dry	55.1	33.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.1		µg/kg dry	55.1	28.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	433		µg/kg dry	55.1	32.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 55.1		µg/kg dry	55.1	34.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 55.1		µg/kg dry	55.1	51.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 55.1		µg/kg dry	55.1	22.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318717	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C4-BR 1-3"	183572.4445.0710	Brick	29-Jul-13 14:20	05-Aug-13
SB74359-41				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.4		µg/kg dry	66.4	49.6	1	SW846 8082A	06-Aug-13	09-Aug-13	BLM	1318726	X
11104-28-2	Aroclor-1221	< 66.4		µg/kg dry	66.4	59.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.4		µg/kg dry	66.4	42.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.4		µg/kg dry	66.4	39.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.4		µg/kg dry	66.4	34.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.4		µg/kg dry	66.4	55.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.4		µg/kg dry	66.4	41.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.4		µg/kg dry	66.4	61.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.4		µg/kg dry	66.4	27.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	100		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318718	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C4-BR 2-0"	183572.4445.0710	Brick	29-Jul-13 14:50	05-Aug-13
[redacted]59-42				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.3		µg/kg dry	60.3	45.1	1	SW846 8082A	06-Aug-13	09-Aug-13	BLM	1318726	X
11104-28-2	Aroclor-1221	< 60.3		µg/kg dry	60.3	54.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.3		µg/kg dry	60.3	38.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.3		µg/kg dry	60.3	36.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.3		µg/kg dry	60.3	31.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	238		µg/kg dry	60.3	35.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.3		µg/kg dry	60.3	37.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.3		µg/kg dry	60.3	56.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.3		µg/kg dry	60.3	24.9	1	"	"	"	"	"	X
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)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	100		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318718	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C4-BR 2-3"	183572.4445.0710	Brick	29-Jul-13 14:46	05-Aug-13
SB74359-43				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.7		µg/kg dry	64.7	48.3	1	SW846 8082A	06-Aug-13	09-Aug-13	BLM	1318726	X
11104-28-2	Aroclor-1221	< 64.7		µg/kg dry	64.7	58.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.7		µg/kg dry	64.7	41.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.7		µg/kg dry	64.7	38.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.7		µg/kg dry	64.7	33.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	116		µg/kg dry	64.7	53.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.7		µg/kg dry	64.7	40.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.7		µg/kg dry	64.7	60.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.7		µg/kg dry	64.7	26.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318718	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C4-BR 3-0"	183572.4445.0710	Brick	30-Jul-13 12:15	05-Aug-13
4359-44				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.7		µg/kg dry	60.7	45.3	1	SW846 8082A	06-Aug-13	09-Aug-13	BLM	1318726	X
11104-28-2	Aroclor-1221	< 60.7		µg/kg dry	60.7	54.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.7		µg/kg dry	60.7	39.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.7		µg/kg dry	60.7	36.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.7		µg/kg dry	60.7	31.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.7		µg/kg dry	60.7	50.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.7		µg/kg dry	60.7	37.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.7		µg/kg dry	60.7	56.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.7		µg/kg dry	60.7	25.0	1	"	"	"	"	"	X
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)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	100		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318718	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C4-BR 3-3"	183572.4445.0710	Brick	30-Jul-13 12:20	05-Aug-13
SB74359-45				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.5		µg/kg dry	58.5	43.7	1	SW846 8082A	06-Aug-13	09-Aug-13	BLM	1318726	X
11104-28-2	Aroclor-1221	< 58.5		µg/kg dry	58.5	52.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.5		µg/kg dry	58.5	37.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.5		µg/kg dry	58.5	35.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.5		µg/kg dry	58.5	30.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 58.5		µg/kg dry	58.5	48.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.5		µg/kg dry	58.5	36.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.5		µg/kg dry	58.5	54.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.5		µg/kg dry	58.5	24.1	1	"	"	"	"	"	X
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)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	06-Aug-13	06-Aug-13	DT	1318718	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1318675 - SW846 3540C										
Blank (1318675-BLK1)						Prepared: 06-Aug-13 Analyzed: 08-Aug-13				
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
LCS (1318675-BS1)						Prepared: 06-Aug-13 Analyzed: 08-Aug-13				
Aroclor-1016	**284**		µg/kg wet	20.0	250		114	40-140		
Aroclor-1016 [2C]	**287**		µg/kg wet	20.0	250		115	40-140		
Aroclor-1260	**215**		µg/kg wet	20.0	250		86	40-140		
Aroclor-1260 [2C]	**230**		µg/kg wet	20.0	250		92	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
LCS Dup (1318675-BSD1)						Prepared: 06-Aug-13 Analyzed: 08-Aug-13				
Aroclor-1016	**275**		µg/kg wet	20.0	250		110	40-140	3	30
Aroclor-1016 [2C]	**287**		µg/kg wet	20.0	250		115	40-140	0	30
Aroclor-1260	**205**		µg/kg wet	20.0	250		82	40-140	5	30
Aroclor-1260 [2C]	**235**		µg/kg wet	20.0	250		94	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.0*		µg/kg wet		*20.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Duplicate (1318675-DUP1)			**Source: SB74359-11**			Prepared: 06-Aug-13 Analyzed: 08-Aug-13				
Aroclor-1016	< 19.6		µg/kg dry	19.6		BRL				30
Aroclor-1016 [2C]	< 19.6		µg/kg dry	19.6		BRL				30
Aroclor-1221	< 19.6		µg/kg dry	19.6		BRL				30
Aroclor-1221 [2C]	< 19.6		µg/kg dry	19.6		BRL				30
Aroclor-1232	< 19.6		µg/kg dry	19.6		BRL				30
Aroclor-1232 [2C]	< 19.6		µg/kg dry	19.6		BRL				30
Aroclor-1242	< 19.6		µg/kg dry	19.6		BRL				30
Aroclor-1242 [2C]	< 19.6		µg/kg dry	19.6		BRL				30
Aroclor-1248	< 19.6		µg/kg dry	19.6		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1318675 - SW846 3540C										
Duplicate (1318675-DUP1)			**Source: SB74359-11**		Prepared: 06-Aug-13 Analyzed: 08-Aug-13					
Aroclor-1248 [2C]	< 19.6		µg/kg dry	19.6		BRL				30
Aroclor-1254	**25.5**		µg/kg dry	19.6		25.8			1	30
Aroclor-1254 [2C]	**20.6**		µg/kg dry	19.6		23.8			15	30
Aroclor-1260	< 19.6		µg/kg dry	19.6		BRL				30
Aroclor-1260 [2C]	< 19.6		µg/kg dry	19.6		BRL				30
Aroclor-1262	< 19.6		µg/kg dry	19.6		BRL				30
Aroclor-1262 [2C]	< 19.6		µg/kg dry	19.6		BRL				30
Aroclor-1268	< 19.6		µg/kg dry	19.6		BRL				30
Aroclor-1268 [2C]	< 19.6		µg/kg dry	19.6		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg dry		*19.6*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.6*		µg/kg dry		*19.6*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.6*		µg/kg dry		*19.6*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.7*		µg/kg dry		*19.6*		*85*	*30-150*		
Matrix Spike (1318675-MS1)			**Source: SB74359-11**		Prepared: 06-Aug-13 Analyzed: 08-Aug-13					
Aroclor-1016	**137**		µg/kg dry	19.4	243	BRL	56	40-140		
Aroclor-1016 [2C]	**141**		µg/kg dry	19.4	243	BRL	58	40-140		
Aroclor-1260	**140**		µg/kg dry	19.4	243	BRL	58	40-140		
Aroclor-1260 [2C]	**125**		µg/kg dry	19.4	243	BRL	52	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.6*		µg/kg dry		*19.4*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*10.7*		µg/kg dry		*19.4*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*8.73*		µg/kg dry		*19.4*		*45*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*10.7*		µg/kg dry		*19.4*		*55*	*30-150*		
Matrix Spike Dup (1318675-MSD1)			**Source: SB74359-11**		Prepared: 06-Aug-13 Analyzed: 08-Aug-13					
Aroclor-1016	**198**	QR2	µg/kg dry	19.5	244	BRL	81	40-140	36	30
Aroclor-1016 [2C]	**207**	QR2	µg/kg dry	19.5	244	BRL	85	40-140	38	30
Aroclor-1260	**202**	QR2	µg/kg dry	19.5	244	BRL	83	40-140	36	30
Aroclor-1260 [2C]	**196**	QR2	µg/kg dry	19.5	244	BRL	80	40-140	44	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.6*		µg/kg dry		*19.5*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.6*		µg/kg dry		*19.5*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.6*		µg/kg dry		*19.5*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*13.7*		µg/kg dry		*19.5*		*70*	*30-150*		
Batch 1318705 - SW846 3540C										
Blank (1318705-BLK1)					Prepared: 06-Aug-13 Analyzed: 07-Aug-13					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1318705 - SW846 3540C										
Blank (1318705-BLK1)						Prepared: 06-Aug-13 Analyzed: 07-Aug-13				
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS (1318705-BS1)						Prepared: 06-Aug-13 Analyzed: 07-Aug-13				
Aroclor-1016	**282**		µg/kg wet	20.0	250		113	40-140		
Aroclor-1016 [2C]	**278**		µg/kg wet	20.0	250		111	40-140		
Aroclor-1260	**233**		µg/kg wet	20.0	250		93	40-140		
Aroclor-1260 [2C]	**262**		µg/kg wet	20.0	250		105	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
LCS Dup (1318705-BSD1)						Prepared: 06-Aug-13 Analyzed: 07-Aug-13				
Aroclor-1016	**286**		µg/kg wet	20.0	250		114	40-140	1	30
Aroclor-1016 [2C]	**280**		µg/kg wet	20.0	250		112	40-140	0.7	30
Aroclor-1260	**233**		µg/kg wet	20.0	250		93	40-140	0	30
Aroclor-1260 [2C]	**259**		µg/kg wet	20.0	250		104	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Batch 1318726 - SW846 3540C										
Blank (1318726-BLK1)						Prepared: 06-Aug-13 Analyzed: 12-Aug-13				
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
LCS (1318726-BS1)						Prepared: 06-Aug-13 Analyzed: 12-Aug-13				
Aroclor-1016	**220**		µg/kg wet	20.0	250		88	40-140		
Aroclor-1016 [2C]	**180**		µg/kg wet	20.0	250		72	40-140		

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1318726 - SW846 3540C										
LCS (1318726-BS1)					Prepared: 06-Aug-13 Analyzed: 12-Aug-13					
Aroclor-1260	**211**		µg/kg wet	20.0	250		84	40-140		
Aroclor-1260 [2C]	**197**		µg/kg wet	20.0	250		79	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
LCS Dup (1318726-BSD1)					Prepared: 06-Aug-13 Analyzed: 12-Aug-13					
Aroclor-1016	**201**		µg/kg wet	20.0	250		80	40-140	9	30
Aroclor-1016 [2C]	**176**		µg/kg wet	20.0	250		70	40-140	2	30
Aroclor-1260	**213**		µg/kg wet	20.0	250		85	40-140	0.9	30
Aroclor-1260 [2C]	**178**		µg/kg wet	20.0	250		71	40-140	10	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Duplicate (1318726-DUP1)			**Source: SB74359-34**		Prepared: 06-Aug-13 Analyzed: 09-Aug-13					
Aroclor-1016	< 60.2		µg/kg dry	60.2		BRL				30
Aroclor-1016 [2C]	< 60.2		µg/kg dry	60.2		BRL				30
Aroclor-1221	< 60.2		µg/kg dry	60.2		BRL				30
Aroclor-1221 [2C]	< 60.2		µg/kg dry	60.2		BRL				30
Aroclor-1232	< 60.2		µg/kg dry	60.2		BRL				30
Aroclor-1232 [2C]	< 60.2		µg/kg dry	60.2		BRL				30
Aroclor-1242	< 60.2		µg/kg dry	60.2		BRL				30
Aroclor-1242 [2C]	< 60.2		µg/kg dry	60.2		BRL				30
Aroclor-1248	< 60.2		µg/kg dry	60.2		BRL				30
Aroclor-1248 [2C]	< 60.2		µg/kg dry	60.2		BRL				30
Aroclor-1254	**111**		µg/kg dry	60.2		139			22	30
Aroclor-1254 [2C]	**168**		µg/kg dry	60.2		186			10	30
Aroclor-1260	**96.3**		µg/kg dry	60.2		80.5			18	30
Aroclor-1260 [2C]	**126**		µg/kg dry	60.2		111			13	30
Aroclor-1262	< 60.2		µg/kg dry	60.2		BRL				30
Aroclor-1262 [2C]	< 60.2		µg/kg dry	60.2		BRL				30
Aroclor-1268	< 60.2		µg/kg dry	60.2		BRL				30
Aroclor-1268 [2C]	< 60.2		µg/kg dry	60.2		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*57.2*		µg/kg dry		*60.2*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*60.2*		µg/kg dry		*60.2*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*72.2*		µg/kg dry		*60.2*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*87.3*		µg/kg dry		*60.2*		*145*	*30-150*		
Matrix Spike (1318726-MS1)			**Source: SB74359-34**		Prepared: 06-Aug-13 Analyzed: 09-Aug-13					
Aroclor-1016	**618**		µg/kg dry	63.3	792	BRL	78	40-140		
Aroclor-1016 [2C]	**643**		µg/kg dry	63.3	792	BRL	81	40-140		
Aroclor-1260	**675**		µg/kg dry	63.3	792	80.5	75	40-140		
Aroclor-1260 [2C]	**763**		µg/kg dry	63.3	792	111	82	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*63.3*		µg/kg dry		*63.3*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*60.2*		µg/kg dry		*63.3*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*79.2*		µg/kg dry		*63.3*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*88.7*		µg/kg dry		*63.3*		*140*	*30-150*		
Matrix Spike Dup (1318726-MSD1)			**Source: SB74359-34**		Prepared: 06-Aug-13 Analyzed: 09-Aug-13					
Aroclor-1016	**547**		µg/kg dry	52.1	651	BRL	84	40-140	7	30
Aroclor-1016 [2C]	**555**		µg/kg dry	52.1	651	BRL	85	40-140	5	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1318726 - SW846 3540C										
Matrix Spike Dup (1318726-MSD1)			Source: SB74359-34		Prepared: 05-Aug-13 Analyzed: 09-Aug-13					
Aroclor-1260	**544**		µg/kg dry	52.1	651	80.5	71	40-140	5	30
Aroclor-1260 [2C]	**661**		µg/kg dry	52.1	651	111	85	40-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*44.3*		µg/kg dry		*52.1*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*49.5*		µg/kg dry		*52.1*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*57.3*		µg/kg dry		*52.1*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*72.9*		µg/kg dry		*52.1*		*140*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1318716 - General Preparation										
Duplicate (1318716-DUP1)			Source: SB74359-10			Prepared & Analyzed: 06-Aug-13				
% Solids	**94.3**		%			93.5			0.9	20
Batch 1318717 - General Preparation										
Duplicate (1318717-DUP1)			Source: SB74359-21			Prepared & Analyzed: 06-Aug-13				
% Solids	**98.7**		%			98.8			0.06	20

Notes and Definitions

QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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

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

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

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

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

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

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

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

Validated by:
June O'Connor
Kimberly Wisk
Nicole Leja

CTDAS Rates Apply

SB74359 UK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 5

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 Day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Henry Laliberte
21 Griffin Rd North
Windsor CT 06095

Telephone #: 860-798-5689
Project Mgr. Henry Laliberte

Invoice To: Same

P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710
Site Name: Bradley International Airport
Location: Windsor Locks State: CT
Sampler(s): MKatrubs, Greg Kaczmarek, HLaliberte

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

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV* ☐ Other

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/1570 C	State-specific reporting standards:
74359-01	CB-GC-A1	7/29/13	1524	G	X1			1		X	CW
02	CB-GC-A2		1540								CW
03	CB-GC-A3		1545								CW
04	CB-GC-A4		1600								CW
05	CB-GC-A5		1605								CW
06	CB-GC-A6	7/30/13	1158								NW
07	CB-GC-A7		1207								NW
08	CB-GC-A8		1415								NW
09	CB-GC-A9		1421								NW
10	CB-GC-S1		1020		SO						CW

Relinquished by:	Received by:	Date:	Time:	Temp°C
		8/5/13	3:15	
	JLH	8/5/13	1600	

☐ EDD Format
☐ E-mail to HLaliberte@trcsolutions.com

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

30/0/30 IR01

DAS Ro[illegible] Apply

SB 74359 UK

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 5

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 Day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same as page 1

Telephone #:

Project Mgr.

Invoice To: Same as page 1

P.O. No.: RQN:

Project No.: 183572.4445.0710

Site Name: Bradley International Airport

Location: Windsor Locks State: CT

Sampler(s): MK, GK, HC

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

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV* ☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8082/3540C							State-specific reporting standards:
74359-11	CB-GC-S2	7/30/13	1025	G	SO			1		X							CW
12	CB-GC-S3		1027														CW
13	CB-GC-C01	7/29/13	1235		X2												SW
14	CB-GC-C02		1240														
15	CB-GC-C03		1245														
16	CB-GC-C04		1300														
17	CB-GC-C05		1305														
18	CB-GC-C06		1310														
19	CB-GC-C07		1310														
20	CB-GC-C08		1522														CW

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[illegible]	JCH	8/5/13	1600	

☐ EDD Format
☐ E-mail to Same as page 1

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

30 / 10 / 30 IR 01

CT Rates Apply

SB 74359 UK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 5

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 days
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same as page 1

Telephone #:

Project Mgr.

Invoice To: Same as page 1

P.O. No.: RQN:

Project No.: 183572.4445.0710

Site Name: Bradley International Airport

Location: Windsor Locks State: CT

Sampler(s): MK, GK, HC

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

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: 8260/5540C

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8260/5540C	State-specific reporting standards
74359-21	CB-GC-C09	7/29/13	1551	G	X2			1		X	CW
22	CB-GC-C10		1556								CW
23	CB-GC-C11		1611								CW
24	CB-GC-C12	7/29/13	1615								CW
25	CB-GC-C13	7/30/13	1110								NW
26	CB-GC-C14		1115								
27	CB-GC-C15		1118								
28	CB-GC-C16		1131								
29	CB-GC-C17		1126								
30	CB-GC-C18		1121								

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	JCH	8/5/13	1600	

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

3.0/0/3.0 IR 01

CT DP Rules Apply

SB 74359 DC

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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 5

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

Report To: Same as page 1

Telephone #:

Project Mgr.

Invoice To: Same as page 1

P.O. No.: RQN:

Project No.: 16572.4445.0710

Site Name: Bradley International Airport

Location: Windsor Locks State: CT

Sampler(s): MK, HC, GK

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

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	6082/3540C							State-specific reporting standards:
74359-31	CB-GC-C019	7/30/13	1154	G	X4		1	1		1							NW
32	CB-GC-C020		1203														
33	CB_GC-C021		1158														
34	CB-C2-CM1-0"		1010														Lower mech rm B
35	CB-C2-CM2-0"		1035														LMA Area
36	CB-C2-C01-0"		0956														Lower mech rm B
37	CB-C2-C02-0"		1020														LMA Area
38	CB-C2-BR1-0"		1003		X3												Lower mech rm B
39	CB-C2-BR2-0"		1030														LMA Area
40	CB-C4-BR7-0"	7/29/13	1425														SW

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	JCH	8/5/13	1600	

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

3.0 / 0 / 3.0 IR 01

CT DAS Rates Apply

SB 74359 UKC

SPECTRUM ANALYTICAL, INC.
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CHAIN OF CUSTODY RECORD

Page 5 of 5

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same as Page 1

Telephone #:

Project Mgr.

Invoice To: same as page 1

P.O. No.: RQN:

Project No.: 183572.4445.0710

Site Name: Bradley International Airport

Location: Windsor Locks State: CT

Sampler(s): MK, HC, GK

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8082/5540C	State-specific reporting standards:
74359-41	CB-C4-BR2-3"	7/29/13	1420	G	X3			1		X	SW
42	CB-C4-BR2-0"		1450								SW
43	CB-C4-BR2-3"		1446								SW
44	CB-C4-BR3-0"	7/30/13	1215								NW
45	CB-C4-BR3-3"		1220								NW

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
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	JUH	8/5/13	1600	
3.0 / 0 / 30 IR01				

☐ EDD Format
☐ E-mail to Same as page 1

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

Report Date:
19-Aug-13 16:12

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

#2
Concourse B

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: Bradley International Airport-Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB74831-01	CB-C022	Concrete	08-Aug-13 11:03	12-Aug-13 12:50
SB74831-02	CB-C023	Concrete	08-Aug-13 11:06	12-Aug-13 12:50
SB74831-03	CB-C024	Concrete	08-Aug-13 11:08	12-Aug-13 12:50
SB74831-04	CB-C025	Concrete	08-Aug-13 11:12	12-Aug-13 12:50
SB74831-05	CB-C026	Concrete	08-Aug-13 11:14	12-Aug-13 12:50
SB74831-06	CB-C027	Concrete	08-Aug-13 11:17	12-Aug-13 12:50
SB74831-07	CB-C028	Concrete	08-Aug-13 11:18	12-Aug-13 12:50
SB74831-08	CB-C029	Concrete	08-Aug-13 11:20	12-Aug-13 12:50
SB74831-09	CB-C030	Concrete	08-Aug-13 11:24	12-Aug-13 12:50
SB74831-10	CB-C031	Concrete	08-Aug-13 12:13	12-Aug-13 12:50
SB74831-11	CB-C032	Concrete	08-Aug-13 12:15	12-Aug-13 12:50
SB74831-12	CB-C033	Concrete	08-Aug-13 12:17	12-Aug-13 12:50
SB74831-13	CB-C034	Concrete	08-Aug-13 12:20	12-Aug-13 12:50
SB74831-14	CB-C035	Concrete	08-Aug-13 12:22	12-Aug-13 12:50
SB74831-15	CB-C036	Concrete	08-Aug-13 12:25	12-Aug-13 12:50
SB74831-16	CB-C037	Concrete	08-Aug-13 12:27	12-Aug-13 12:50
SB74831-17	CB-C038	Concrete	08-Aug-13 12:30	12-Aug-13 12:50
SB74831-18	CB-S4	Soil	08-Aug-13 11:35	12-Aug-13 12:50
SB74831-19	CB-S5	Soil	08-Aug-13 11:32	12-Aug-13 12:50
SB74831-20	CB-S6	Soil	08-Aug-13 11:46	12-Aug-13 12:50
SB74831-21	CB-S7	Soil	08-Aug-13 11:48	12-Aug-13 12:50
SB74831-22	CB-S8	Soil	08-Aug-13 11:50	12-Aug-13 12:50
SB74831-23	CB-A10	Asphalt	08-Aug-13 11:44	12-Aug-13 12:50
SB74831-24	CB-A11	Asphalt	08-Aug-13 11:46	12-Aug-13 12:50
SB74831-25	CB-A12	Asphalt	08-Aug-13 13:45	12-Aug-13 12:50
SB74831-26	CB-A13	Asphalt	08-Aug-13 13:50	12-Aug-13 12:50
SB74831-27	CB-A14	Asphalt	08-Aug-13 13:52	12-Aug-13 12:50
SB74831-28	CB-C2-CM4-0"	Concrete	09-Aug-13 11:06	12-Aug-13 12:50
SB74831-29	CB-C2-CM5-0"	Concrete	09-Aug-13 11:30	12-Aug-13 12:50
SB74831-30	CB-C2-BR4-0"	Brick	09-Aug-13 11:22	12-Aug-13 12:50
SB74831-31	CB-C2-PL1-0"	Plaster	09-Aug-13 11:55	12-Aug-13 12:50
SB74831-32	CB-C3-CM3-0"	Concrete	09-Aug-13 10:10	12-Aug-13 12:50
SB74831-33	CB-C3-BR3-0"	Brick	09-Aug-13 10:00	12-Aug-13 12:50
SB74831-34	CB-C4-C01-0"	Concrete	08-Aug-13 15:15	12-Aug-13 12:50
SB74831-35	CB-C4-C01-3"	Concrete	08-Aug-13 15:25	12-Aug-13 12:50
SB74831-36	CB-C4-BR4-0"	Brick	08-Aug-13 12:45	12-Aug-13 12:50
SB74831-37	CB-C4-BR4-3"	Brick	08-Aug-13 12:40	12-Aug-13 12:50

SB74831-38	CB-C4-BR5-0"	Brick	08-Aug-13 13:55	12-Aug-13 12:50
SB74831-39	CB-C4-BR5-3"	Brick	08-Aug-13 14:04	12-Aug-13 12:50
SB74831-40	CB-C10-SH1-0"	Sheetrock	09-Aug-13 10:43	12-Aug-13 12:50
SB74831-41	CB-C10-SH2-0"	Sheetrock	09-Aug-13 10:47	12-Aug-13 12:50
SB74831-42	CB-C11-C01-0"	Concrete	08-Aug-13 11:16	12-Aug-13 12:50

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

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

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 55 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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

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

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Bradley International Airport-Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
8/8/2013 through 8/9/2013

Laboratory Sample ID(s):
SB74831-01 through SB74831-42

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

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

Nicole Leja

Nicole Leja
Laboratory Director
Date: 8/19/2013

CASE NARRATIVE:

The samples were received 1.4 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.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

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

SW846 8082A

Spikes:

1319506-MSD1 *Source: SB74831-21*

The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

Aroclor-1260

1319508-MSD1 *Source: SB74831-36*

RPD out of acceptance range.

Aroclor-1016 [2C]

The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

Aroclor-1260 [2C]

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Aroclor-1016

Duplicates:

1319506-DUP1 *Source: SB74831-20*

SW846 8082A

Duplicates:

1319506-DUP1 *Source: SB74831-20*

RPD out of acceptance range.

Aroclor-1254
Aroclor-1260
Aroclor-1260 [2C]

1319508-DUP1 *Source: SB74831-36*

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

Aroclor-1254
Aroclor-1254 [2C]

Samples:

SB74831-25 *CB-A12*

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

Aroclor-1254
Aroclor-1260 [2C]

SB74831-28 *CB-C2-CM4-0"*

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

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr)

SB74831-31 *CB-C2-PL1-0"*

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

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

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

SB74831-40 *CB-C10-SH1-0"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr)

SB74831-41 *CB-C10-SH2-0"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr)

Sample Acceptance Check Form

Client:	TRC - Windsor, CT
Project:	Bradley International Airport-Windsor Locks, CT / 183572.4445.0710
Work Order:	SB74831
Sample(s) received on:	8/12/2013
Received by:	Tanya Krivolenko

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

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C022 [redacted]31-01	183572.4445.0710	Concrete	08-Aug-13 11:03	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 68.0		µg/kg dry	68.0	50.8	1	SW846 8082A	13-Aug-13	16-Aug-13	IMR	1319380	X
11104-28-2	Aroclor-1221	< 68.0		µg/kg dry	68.0	61.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 68.0		µg/kg dry	68.0	43.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 68.0		µg/kg dry	68.0	40.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 68.0		µg/kg dry	68.0	35.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	91.8		µg/kg dry	68.0	56.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 68.0		µg/kg dry	68.0	42.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 68.0		µg/kg dry	68.0	63.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 68.0		µg/kg dry	68.0	28.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.3		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319332	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C023 SB74831-02	183572.4445.0710	Concrete	08-Aug-13 11:06	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.1		µg/kg dry	60.1	44.9	1	SW846 8082A	13-Aug-13	16-Aug-13	IMR	1319380	X
11104-28-2	Aroclor-1221	< 60.1		µg/kg dry	60.1	54.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.1		µg/kg dry	60.1	38.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.1		µg/kg dry	60.1	36.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.1		µg/kg dry	60.1	31.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.1		µg/kg dry	60.1	50.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.1		µg/kg dry	60.1	37.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.1		µg/kg dry	60.1	55.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.1		µg/kg dry	60.1	24.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	95.0		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319332	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C024	183572.4445.0710	Concrete	08-Aug-13 11:08	12-Aug-13
[illegible]831-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 55.6		µg/kg dry	55.6	41.5	1	SW846 8082A	13-Aug-13	16-Aug-13	IMR	1319380	X
11104-28-2	Aroclor-1221	< 55.6		µg/kg dry	55.6	50.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.6		µg/kg dry	55.6	35.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.6		µg/kg dry	55.6	33.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.6		µg/kg dry	55.6	28.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 55.6		µg/kg dry	55.6	46.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 55.6		µg/kg dry	55.6	34.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 55.6		µg/kg dry	55.6	51.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 55.6		µg/kg dry	55.6	22.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.6		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319332	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C025	183572.4445.0710	Concrete	08-Aug-13 11:12	12-Aug-13
SB74831-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.4		µg/kg dry	61.4	45.9	1	SW846 8082A	13-Aug-13	16-Aug-13	IMR	1319380	X
11104-28-2	Aroclor-1221	< 61.4		µg/kg dry	61.4	55.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.4		µg/kg dry	61.4	39.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.4		µg/kg dry	61.4	36.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.4		µg/kg dry	61.4	31.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.4		µg/kg dry	61.4	51.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.4		µg/kg dry	61.4	38.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.4		µg/kg dry	61.4	57.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.4		µg/kg dry	61.4	25.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.9		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319332	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C026	183572.4445.0710	Concrete	08-Aug-13 11:14	12-Aug-13
[illegible]31-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 54.7		µg/kg dry	54.7	40.9	1	SW846 8082A	13-Aug-13	16-Aug-13	IMR	1319380	X
11104-28-2	Aroclor-1221	< 54.7		µg/kg dry	54.7	49.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 54.7		µg/kg dry	54.7	35.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.7		µg/kg dry	54.7	32.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 54.7		µg/kg dry	54.7	28.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 54.7		µg/kg dry	54.7	45.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 54.7		µg/kg dry	54.7	33.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 54.7		µg/kg dry	54.7	51.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54.7		µg/kg dry	54.7	22.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319332	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C027 SB74831-06	183572.4445.0710	Concrete	08-Aug-13 11:17	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.6		µg/kg dry	58.6	43.8	1	SW846 8082A	13-Aug-13	16-Aug-13	IMR	1319380	X
11104-28-2	Aroclor-1221	< 58.6		µg/kg dry	58.6	52.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.6		µg/kg dry	58.6	37.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.6		µg/kg dry	58.6	35.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.6		µg/kg dry	58.6	30.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 58.6		µg/kg dry	58.6	48.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.6		µg/kg dry	58.6	36.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.6		µg/kg dry	58.6	54.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.6		µg/kg dry	58.6	24.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.1		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319336	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C028	183572.4445.0710	Concrete	08-Aug-13 11:18	12-Aug-13
S[illegible]1-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.0		µg/kg dry	61.0	45.6	1	SW846 8082A	13-Aug-13	16-Aug-13	IMR	1319360	X
11104-28-2	Aroclor-1221	< 61.0		µg/kg dry	61.0	55.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.0		µg/kg dry	61.0	39.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.0		µg/kg dry	61.0	36.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.0		µg/kg dry	61.0	31.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.0		µg/kg dry	61.0	50.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.0		µg/kg dry	61.0	37.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.0		µg/kg dry	61.0	56.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.0		µg/kg dry	61.0	25.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.4		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319336	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C029 SB74831-08	183572.4445.0710	Concrete	08-Aug-13 11:20	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.9		µg/kg dry	57.9	43.3	1	SW846 8082A	13-Aug-13	16-Aug-13	IMR	1319380	X
11104-28-2	Aroclor-1221	< 57.9		µg/kg dry	57.9	52.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.9		µg/kg dry	57.9	37.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.9		µg/kg dry	57.9	34.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.9		µg/kg dry	57.9	30.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 57.9		µg/kg dry	57.9	48.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.9		µg/kg dry	57.9	35.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.9		µg/kg dry	57.9	53.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.9		µg/kg dry	57.9	23.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.4		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319336	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C030	183572.4445.0710	Concrete	08-Aug-13 11:24	12-Aug-13
831-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.6		µg/kg dry	63.6	47.5	1	SW846 8082A	13-Aug-13	16-Aug-13	IMR	1319380	X
11104-28-2	Aroclor-1221	< 63.6		µg/kg dry	63.6	57.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.6		µg/kg dry	63.6	40.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.6		µg/kg dry	63.6	38.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.6		µg/kg dry	63.6	33.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.6		µg/kg dry	63.6	53.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.6		µg/kg dry	63.6	39.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.6		µg/kg dry	63.6	59.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.6		µg/kg dry	63.6	26.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319336	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C031	183572.4445.0710	Concrete	08-Aug-13 12:13	12-Aug-13
SB74831-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 51.9		µg/kg dry	51.9	38.8	1	SW846 8082A	13-Aug-13	16-Aug-13	IMR	1319380	X
11104-28-2	Aroclor-1221	< 51.9		µg/kg dry	51.9	46.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 51.9		µg/kg dry	51.9	33.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 51.9		µg/kg dry	51.9	31.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 51.9		µg/kg dry	51.9	27.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 51.9		µg/kg dry	51.9	43.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 51.9		µg/kg dry	51.9	32.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 51.9		µg/kg dry	51.9	48.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 51.9		µg/kg dry	51.9	21.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319336	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C032 [illegible]831-11	183572.4445.0710	Concrete	08-Aug-13 12:15	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 55.7		µg/kg dry	55.7	41.6	1	SW846 8082A	13-Aug-13	16-Aug-13	IMR	1319380	X
11104-28-2	Aroclor-1221	< 55.7		µg/kg dry	55.7	50.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.7		µg/kg dry	55.7	35.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.7		µg/kg dry	55.7	33.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.7		µg/kg dry	55.7	28.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 55.7		µg/kg dry	55.7	46.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 55.7		µg/kg dry	55.7	34.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 55.7		µg/kg dry	55.7	51.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 55.7		µg/kg dry	55.7	23.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.3		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319336	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C033 SB74831-12	183572.4445.0710	Concrete	08-Aug-13 12:17	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.6		µg/kg dry	63.6	47.5	1	SW846 8082A	13-Aug-13	16-Aug-13	IMR	1319380	X
11104-28-2	Aroclor-1221	< 63.6		µg/kg dry	63.6	57.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.6		µg/kg dry	63.6	40.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.6		µg/kg dry	63.6	38.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.6		µg/kg dry	63.6	33.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.6		µg/kg dry	63.6	53.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.6		µg/kg dry	63.6	39.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.6		µg/kg dry	63.6	59.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.6		µg/kg dry	63.6	26.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319336	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C034	183572.4445.0710	Concrete	08-Aug-13 12:20	12-Aug-13
SB74831-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.6		µg/kg dry	61.6	46.0	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319506	X
11104-28-2	Aroclor-1221	< 61.6		µg/kg dry	61.6	55.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.6		µg/kg dry	61.6	39.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.6		µg/kg dry	61.6	37.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.6		µg/kg dry	61.6	32.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.6		µg/kg dry	61.6	51.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.6		µg/kg dry	61.6	38.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.6		µg/kg dry	61.6	57.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.6		µg/kg dry	61.6	25.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319336	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C035	183572.4445.0710	Concrete	08-Aug-13 12:22	12-Aug-13
SB74831-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.0		µg/kg dry	63.0	47.1	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319506	X
11104-28-2	Aroclor-1221	< 63.0		µg/kg dry	63.0	56.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.0		µg/kg dry	63.0	40.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.0		µg/kg dry	63.0	37.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.0		µg/kg dry	63.0	32.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.0		µg/kg dry	63.0	52.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.0		µg/kg dry	63.0	39.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.0		µg/kg dry	63.0	58.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.0		µg/kg dry	63.0	26.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319336	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C036	183572.4445.0710	Concrete	08-Aug-13 12:25	12-Aug-13
S[illegible]1-15				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.5		µg/kg dry	58.5	43.7	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319506	X
11104-28-2	Aroclor-1221	< 58.5		µg/kg dry	58.5	52.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.5		µg/kg dry	58.5	37.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.5		µg/kg dry	58.5	35.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.5		µg/kg dry	58.5	30.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 58.5		µg/kg dry	58.5	48.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.5		µg/kg dry	58.5	36.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.5		µg/kg dry	58.5	54.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.5		µg/kg dry	58.5	24.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319336	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C037	183572.4445.0710	Concrete	08-Aug-13 12:27	12-Aug-13
SB74831-16				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 55.3		µg/kg dry	55.3	41.3	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319506	X
11104-28-2	Aroclor-1221	< 55.3		µg/kg dry	55.3	49.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.3		µg/kg dry	55.3	35.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.3		µg/kg dry	55.3	33.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.3		µg/kg dry	55.3	28.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	60.8		µg/kg dry	55.3	32.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	< 55.3		µg/kg dry	55.3	27.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 55.3		µg/kg dry	55.3	51.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 55.3		µg/kg dry	55.3	22.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319336	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C038	183572.4445.0710	Concrete	08-Aug-13 12:30	12-Aug-13
S[redacted]1-17				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.9		µg/kg dry	59.9	44.8	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319506	X
11104-28-2	Aroclor-1221	< 59.9		µg/kg dry	59.9	54.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.9		µg/kg dry	59.9	38.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.9		µg/kg dry	59.9	36.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.9		µg/kg dry	59.9	31.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 59.9		µg/kg dry	59.9	49.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.9		µg/kg dry	59.9	37.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.9		µg/kg dry	59.9	56.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.9		µg/kg dry	59.9	24.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319338	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-S4 SB74831-18	183572.4445.0710	Soil	08-Aug-13 11:35	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 19.3		µg/kg dry	19.3	14.4	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319506	X
11104-28-2	Aroclor-1221	< 19.3		µg/kg dry	19.3	17.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.3		µg/kg dry	19.3	12.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 19.3		µg/kg dry	19.3	11.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 19.3		µg/kg dry	19.3	10.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	45.4		µg/kg dry	19.3	16.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	36.7		µg/kg dry	19.3	9.66	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19.3		µg/kg dry	19.3	18.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 19.3		µg/kg dry	19.3	7.96	1	"	"	"	"	"	X
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)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.0		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319336	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-S5	183572.4445.0710	Soil	08-Aug-13 11:32	12-Aug-13
S[illegible]4831-19				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 19.8		µg/kg dry	19.8	14.8	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319506	X
11104-28-2	Aroclor-1221	< 19.8		µg/kg dry	19.8	17.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.8		µg/kg dry	19.8	12.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 19.8		µg/kg dry	19.8	11.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 19.8		µg/kg dry	19.8	10.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	66.2		µg/kg dry	19.8	11.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	68.2		µg/kg dry	19.8	12.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19.8		µg/kg dry	19.8	18.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 19.8		µg/kg dry	19.8	8.16	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319336	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-S6 SB74831-20	183572.4445.0710	Soil	08-Aug-13 11:46	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 19.5		µg/kg dry	19.5	14.6	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319506	X
11104-28-2	Aroclor-1221	< 19.5		µg/kg dry	19.5	17.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.5		µg/kg dry	19.5	12.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 19.5		µg/kg dry	19.5	11.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 19.5		µg/kg dry	19.5	10.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	242		µg/kg dry	19.5	11.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	606		µg/kg dry	19.5	12.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19.5		µg/kg dry	19.5	18.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 19.5		µg/kg dry	19.5	8.06	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*40*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*35*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	95.4		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319336	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-S7 SD74831-21	183572.4445.0710	Soil	08-Aug-13 11:48	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 21.0		µg/kg dry	21.0	15.7	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319506	X
11104-28-2	Aroclor-1221	< 21.0		µg/kg dry	21.0	18.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.0		µg/kg dry	21.0	13.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.0		µg/kg dry	21.0	12.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.0		µg/kg dry	21.0	10.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	71.4		µg/kg dry	21.0	12.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	49.3		µg/kg dry	21.0	10.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.0		µg/kg dry	21.0	19.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.0		µg/kg dry	21.0	8.66	1	"	"	"	"	"	X
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)*	*30*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*30*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	89.5		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319336	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-S8 SB74831-22	183572.4445.0710	Soil	08-Aug-13 11:50	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 19.9		µg/kg dry	19.9	14.9	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319506	X
11104-28-2	Aroclor-1221	< 19.9		µg/kg dry	19.9	17.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.9		µg/kg dry	19.9	12.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 19.9		µg/kg dry	19.9	12.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 19.9		µg/kg dry	19.9	10.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	29.8		µg/kg dry	19.9	16.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	24.9		µg/kg dry	19.9	12.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19.9		µg/kg dry	19.9	18.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 19.9		µg/kg dry	19.9	8.20	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	93.0		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319336	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-A10	183572.4445.0710	Asphalt	08-Aug-13 11:44	12-Aug-13
SB74831-23				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 55.9		µg/kg dry	55.9	41.7	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319506	X
11104-28-2	Aroclor-1221	< 55.9		µg/kg dry	55.9	50.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.9		µg/kg dry	55.9	35.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.9		µg/kg dry	55.9	33.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.9		µg/kg dry	55.9	29.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 55.9		µg/kg dry	55.9	46.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 55.9		µg/kg dry	55.9	34.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 55.9		µg/kg dry	55.9	52.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 55.9		µg/kg dry	55.9	23.0	1	"	"	"	"	"	X
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)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319336	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-A11 SB74831-24	183572.4445.0710	Asphalt	08-Aug-13 11:46	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 56.3		µg/kg dry	56.3	42.1	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319506	X
11104-28-2	Aroclor-1221	< 56.3		µg/kg dry	56.3	50.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.3		µg/kg dry	56.3	36.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.3		µg/kg dry	56.3	33.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.3		µg/kg dry	56.3	29.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 56.3		µg/kg dry	56.3	46.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 56.3		µg/kg dry	56.3	34.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.3		µg/kg dry	56.3	52.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.3		µg/kg dry	56.3	23.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319336	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-A12	183572.4445.0710	Asphalt	08-Aug-13 13:45	12-Aug-13
SB74831-25				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 55.7		µg/kg dry	55.7	41.6	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319506	X
11104-28-2	Aroclor-1221	< 55.7		µg/kg dry	55.7	50.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.7		µg/kg dry	55.7	35.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.7		µg/kg dry	55.7	33.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.7		µg/kg dry	55.7	28.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	184	P	µg/kg dry	55.7	46.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	86.3	P	µg/kg dry	55.7	27.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 55.7		µg/kg dry	55.7	51.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 55.7		µg/kg dry	55.7	23.0	1	"	"	"	"	"	X
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)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319336	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-A13	183572.4445.0710	Asphalt	08-Aug-13 13:50	12-Aug-13
SB74831-26				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.7		µg/kg dry	62.7	46.9	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319506	X
11104-28-2	Aroclor-1221	< 62.7		µg/kg dry	62.7	56.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.7		µg/kg dry	62.7	40.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.7		µg/kg dry	62.7	37.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.7		µg/kg dry	62.7	32.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	455		µg/kg dry	62.7	36.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.7		µg/kg dry	62.7	38.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.7		µg/kg dry	62.7	58.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.7		µg/kg dry	62.7	25.9	1	"	"	"	"	"	X
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)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319337	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-A14 S[illegible]31-27	183572.4445.0710	Asphalt	08-Aug-13 13:52	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 51.5		µg/kg dry	51.5	38.5	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319506	X
11104-28-2	Aroclor-1221	< 51.5		µg/kg dry	51.5	46.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 51.5		µg/kg dry	51.5	33.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 51.5		µg/kg dry	51.5	31.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 51.5		µg/kg dry	51.5	26.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	**286**		µg/kg dry	51.5	30.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 51.5		µg/kg dry	51.5	31.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 51.5		µg/kg dry	51.5	48.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 51.5		µg/kg dry	51.5	21.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319337	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C2-CM4-0" SB74831-28	183572.4445.0710	Concrete	09-Aug-13 11:06	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 662	D	µg/kg dry	662	494	10	SW846 8082A	14-Aug-13	19-Aug-13	BLM	1319506	X
11104-28-2	Aroclor-1221	< 662	D	µg/kg dry	662	596	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 662	D	µg/kg dry	662	425	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 662	D	µg/kg dry	662	398	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 662	D	µg/kg dry	662	344	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 662	D	µg/kg dry	662	552	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 662	D	µg/kg dry	662	410	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	49,300	D	µg/kg dry	662	617	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 662	D	µg/kg dry	662	273	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*2800*	S02		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319337	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C2-CM5-0" [illegible]831-29	183572.4445.0710	Concrete	09-Aug-13 11:30	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 54.9		µg/kg dry	54.9	41.0	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319506	X
11104-28-2	Aroclor-1221	< 54.9		µg/kg dry	54.9	49.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 54.9		µg/kg dry	54.9	35.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.9		µg/kg dry	54.9	33.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 54.9		µg/kg dry	54.9	28.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 54.9		µg/kg dry	54.9	45.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 54.9		µg/kg dry	54.9	34.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 54.9		µg/kg dry	54.9	51.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54.9		µg/kg dry	54.9	22.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319337	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C2-BR4-0"	183572.4445.0710	Brick	09-Aug-13 11:22	12-Aug-13
SB74831-30				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.7		µg/kg dry	57.7	43.1	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319506	X
11104-28-2	Aroclor-1221	< 57.7		µg/kg dry	57.7	52.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.7		µg/kg dry	57.7	37.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.7		µg/kg dry	57.7	34.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.7		µg/kg dry	57.7	30.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 57.7		µg/kg dry	57.7	48.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.7		µg/kg dry	57.7	35.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.7		µg/kg dry	57.7	53.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.7		µg/kg dry	57.7	23.8	1	"	"	"	"	"	X
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)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319337	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C2-PL1-0" [redacted]831-31	183572.4445.0710	Plaster	09-Aug-13 11:55	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1350	D	µg/kg dry	1350	1010	20	SW846 8082A	14-Aug-13	19-Aug-13	BLM	1319506	X
11104-28-2	Aroclor-1221	< 1350	D	µg/kg dry	1350	1220	20	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1350	D	µg/kg dry	1350	869	20	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1350	D	µg/kg dry	1350	814	20	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1350	D	µg/kg dry	1350	704	20	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 1350	D	µg/kg dry	1350	1130	20	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1350	D	µg/kg dry	1350	839	20	"	"	"	"	"	X
37324-23-5	Aroclor-1262	59,400	D	µg/kg dry	1350	1260	20	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1350	D	µg/kg dry	1350	558	20	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	89.0		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319337	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C3-CM3-0" SB74831-32	183572.4445.0710	Concrete	09-Aug-13 10:10	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.8		µg/kg dry	57.8	43.2	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319506	X
11104-28-2	Aroclor-1221	< 57.8		µg/kg dry	57.8	52.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.8		µg/kg dry	57.8	37.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.8		µg/kg dry	57.8	34.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.8		µg/kg dry	57.8	30.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 57.8		µg/kg dry	57.8	48.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.8		µg/kg dry	57.8	35.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.8		µg/kg dry	57.8	53.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.8		µg/kg dry	57.8	23.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*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]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319337	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C3-BR3-0" [illegible]831-33	183572.4445.0710	Brick	09-Aug-13 10:00	12-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.6		µg/kg dry	57.6	43.0	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319508	X
11104-28-2	Aroclor-1221	< 57.6		µg/kg dry	57.6	51.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.6		µg/kg dry	57.6	37.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.6		µg/kg dry	57.6	34.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.6		µg/kg dry	57.6	30.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	164		µg/kg dry	57.6	33.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.6		µg/kg dry	57.6	35.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.6		µg/kg dry	57.6	53.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.6		µg/kg dry	57.6	23.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319337	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C4-C01-0"	183572.4445.0710	Concrete	08-Aug-13 15:15	12-Aug-13
SB74831-34				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 56.8		µg/kg dry	56.8	42.4	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319508	X
11104-28-2	Aroclor-1221	< 56.8		µg/kg dry	56.8	51.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.8		µg/kg dry	56.8	36.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.8		µg/kg dry	56.8	34.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.8		µg/kg dry	56.8	29.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	1,270		µg/kg dry	56.8	33.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	483		µg/kg dry	56.8	35.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.8		µg/kg dry	56.8	52.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.8		µg/kg dry	56.8	23.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319337	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C4-C01-3"	183572.4445.0710	Concrete	08-Aug-13 15:25	12-Aug-13
SB54831-35				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.3		µg/kg dry	64.3	48.0	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319508	X
11104-28-2	Aroclor-1221	< 64.3		µg/kg dry	64.3	57.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.3		µg/kg dry	64.3	41.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.3		µg/kg dry	64.3	38.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.3		µg/kg dry	64.3	33.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	1,430		µg/kg dry	64.3	37.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	203		µg/kg dry	64.3	39.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.3		µg/kg dry	64.3	59.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.3		µg/kg dry	64.3	26.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319337	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C4-BR4-0"	183572.4445.0710	Brick	08-Aug-13 12:45	12-Aug-13
SB74831-36				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 55.5		µg/kg dry	55.5	41.5	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319508	X
11104-28-2	Aroclor-1221	< 55.5		µg/kg dry	55.5	50.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.5		µg/kg dry	55.5	35.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.5		µg/kg dry	55.5	33.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.5		µg/kg dry	55.5	28.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	180		µg/kg dry	55.5	32.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 55.5		µg/kg dry	55.5	34.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 55.5		µg/kg dry	55.5	51.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 55.5		µg/kg dry	55.5	22.9	1	"	"	"	"	"	X
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)*	*40*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*30*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319337	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C4-BR4-3"	183572.4445.0710	Brick	08-Aug-13 12:40	12-Aug-13
S[illegible]831-37				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.7		µg/kg dry	63.7	47.6	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319508	X
11104-28-2	Aroclor-1221	< 63.7		µg/kg dry	63.7	57.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.7		µg/kg dry	63.7	40.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.7		µg/kg dry	63.7	38.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.7		µg/kg dry	63.7	33.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.7		µg/kg dry	63.7	53.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.7		µg/kg dry	63.7	39.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.7		µg/kg dry	63.7	59.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.7		µg/kg dry	63.7	26.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319337	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C4-BR5-0"	183572.4445.0710	Brick	08-Aug-13 13:55	12-Aug-13
SB74831-38				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.9		µg/kg dry	58.9	44.0	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319508	X
11104-28-2	Aroclor-1221	< 58.9		µg/kg dry	58.9	53.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.9		µg/kg dry	58.9	37.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.9		µg/kg dry	58.9	35.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.9		µg/kg dry	58.9	30.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	1,010		µg/kg dry	58.9	34.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.9		µg/kg dry	58.9	36.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.9		µg/kg dry	58.9	54.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.9		µg/kg dry	58.9	24.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319337	

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* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C4-BR5-3"	183572.4445.0710	Brick	08-Aug-13 14:04	12-Aug-13
S[illegible]831-39				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.7		µg/kg dry	57.7	43.1	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319508	X
11104-28-2	Aroclor-1221	< 57.7		µg/kg dry	57.7	52.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.7		µg/kg dry	57.7	37.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.7		µg/kg dry	57.7	34.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.7		µg/kg dry	57.7	30.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	724		µg/kg dry	57.7	33.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.7		µg/kg dry	57.7	35.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.7		µg/kg dry	57.7	53.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.7		µg/kg dry	57.7	23.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319337	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C10-SH1-0"	183572.4445.0710	Sheetrock	09-Aug-13 10:43	12-Aug-13
SB74831-40				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 68.2		µg/kg dry	68.2	50.9	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319508	X
11104-28-2	Aroclor-1221	< 68.2		µg/kg dry	68.2	61.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 68.2		µg/kg dry	68.2	43.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 68.2		µg/kg dry	68.2	41.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 68.2		µg/kg dry	68.2	35.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	314		µg/kg dry	68.2	56.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 68.2		µg/kg dry	68.2	42.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 68.2		µg/kg dry	68.2	63.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 68.2		µg/kg dry	68.2	28.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*815*	S02		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	88.7		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319337	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C10-SH2-0"	183572.4445.0710	Sheetrock	09-Aug-13 10:47	12-Aug-13
SB74831-41				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 73.8		µg/kg dry	73.8	55.1	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319508	X
11104-28-2	Aroclor-1221	< 73.8		µg/kg dry	73.8	66.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 73.8		µg/kg dry	73.8	47.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 73.8		µg/kg dry	73.8	44.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 73.8		µg/kg dry	73.8	38.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	373		µg/kg dry	73.8	43.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	95.9		µg/kg dry	73.8	45.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 73.8		µg/kg dry	73.8	68.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 73.8		µg/kg dry	73.8	30.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*445*	S02		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	85.7		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319337	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C11-C01-0"	183572.4445.0710	Concrete	08-Aug-13 11:16	12-Aug-13
SB74831-42				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 54.4		µg/kg dry	54.4	40.6	1	SW846 8082A	14-Aug-13	17-Aug-13	BLM	1319508	X
11104-28-2	Aroclor-1221	< 54.4		µg/kg dry	54.4	49.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 54.4		µg/kg dry	54.4	34.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.4		µg/kg dry	54.4	32.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 54.4		µg/kg dry	54.4	28.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 54.4		µg/kg dry	54.4	45.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 54.4		µg/kg dry	54.4	33.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 54.4		µg/kg dry	54.4	50.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54.4		µg/kg dry	54.4	22.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.8		%			1	SM2540 G Mod.	13-Aug-13	13-Aug-13	DT	1319337	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1319380 - SW846 3540C										
Blank (1319380-BLK1)						Prepared: 13-Aug-13 Analyzed: 15-Aug-13				
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.0*		µg/kg wet		*20.0*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
LCS (1319380-BS1)						Prepared: 13-Aug-13 Analyzed: 15-Aug-13				
Aroclor-1016	**234**		µg/kg wet	20.0	250		94	40-140		
Aroclor-1016 [2C]	**243**		µg/kg wet	20.0	250		97	40-140		
Aroclor-1260	**187**		µg/kg wet	20.0	250		75	40-140		
Aroclor-1260 [2C]	**205**		µg/kg wet	20.0	250		82	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
LCS Dup (1319380-BSD1)						Prepared: 13-Aug-13 Analyzed: 15-Aug-13				
Aroclor-1016	**235**		µg/kg wet	20.0	250		94	40-140	0.4	30
Aroclor-1016 [2C]	**242**		µg/kg wet	20.0	250		97	40-140	0.4	30
Aroclor-1260	**190**		µg/kg wet	20.0	250		76	40-140	2	30
Aroclor-1260 [2C]	**208**		µg/kg wet	20.0	250		83	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Batch 1319506 - SW846 3540C										
Blank (1319506-BLK1)						Prepared: 14-Aug-13 Analyzed: 17-Aug-13				
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1319506 - SW846 3540C										
Blank (1319506-BLK1)					Prepared: 14-Aug-13 Analyzed: 17-Aug-13					
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
LCS (1319506-BS1)					Prepared: 14-Aug-13 Analyzed: 17-Aug-13					
Aroclor-1016	**284**		µg/kg wet	20.0	250		114	40-140		
Aroclor-1016 [2C]	**251**		µg/kg wet	20.0	250		100	40-140		
Aroclor-1260	**271**		µg/kg wet	20.0	250		108	40-140		
Aroclor-1260 [2C]	**283**		µg/kg wet	20.0	250		113	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS Dup (1319506-BSD1)					Prepared: 14-Aug-13 Analyzed: 17-Aug-13					
Aroclor-1016	**266**		µg/kg wet	20.0	250		106	40-140	7	30
Aroclor-1016 [2C]	**255**		µg/kg wet	20.0	250		102	40-140	2	30
Aroclor-1260	**256**		µg/kg wet	20.0	250		102	40-140	6	30
Aroclor-1260 [2C]	**268**		µg/kg wet	20.0	250		107	40-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*26.0*		µg/kg wet		*20.0*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Duplicate (1319506-DUP1)			**Source: SB74831-20**		Prepared: 14-Aug-13 Analyzed: 17-Aug-13					
Aroclor-1016	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1016 [2C]	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1221	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1221 [2C]	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1232	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1232 [2C]	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1242	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1242 [2C]	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1248	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1248 [2C]	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1254	**354**	QR5	µg/kg dry	19.8		225			45	30
Aroclor-1254 [2C]	**327**		µg/kg dry	19.8		242			30	30
Aroclor-1260	**973**	QR5	µg/kg dry	19.8		606			46	30
Aroclor-1260 [2C]	**819**	QR5	µg/kg dry	19.8		522			44	30
Aroclor-1262	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1262 [2C]	< 19.8		µg/kg dry	19.8		BRL				30
Aroclor-1268	< 19.8		µg/kg dry	19.8		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1319506 - SW846 3540C										
Duplicate (1319506-DUP1)			**Source: SB74831-20**		Prepared: 14-Aug-13 Analyzed: 17-Aug-13					
Aroclor-1268 [2C]	< 19.8		µg/kg dry	19.8		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.9*		µg/kg dry		*19.8*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*13.9*		µg/kg dry		*19.8*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*11.9*		µg/kg dry		*19.8*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*9.92*		µg/kg dry		*19.8*		*50*	*30-150*		
Matrix Spike (1319506-MS1)			**Source: SB74831-21**		Prepared: 14-Aug-13 Analyzed: 17-Aug-13					
Aroclor-1016	**206**		µg/kg dry	21.8	272	BRL	76	40-140		
Aroclor-1016 [2C]	**159**		µg/kg dry	21.8	272	BRL	58	40-140		
Aroclor-1260	**273**		µg/kg dry	21.8	272	42.0	85	40-140		
Aroclor-1260 [2C]	**238**		µg/kg dry	21.8	272	49.3	69	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.4*		µg/kg dry		*21.8*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.3*		µg/kg dry		*21.8*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.1*		µg/kg dry		*21.8*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*12.0*		µg/kg dry		*21.8*		*55*	*30-150*		
Matrix Spike Dup (1319506-MSD1)			**Source: SB74831-21**		Prepared: 14-Aug-13 Analyzed: 17-Aug-13					
Aroclor-1016	**173**		µg/kg dry	20.8	261	BRL	66	40-140	13	30
Aroclor-1016 [2C]	**123**		µg/kg dry	20.8	261	BRL	47	40-140	21	30
Aroclor-1260	**198**	QR2	µg/kg dry	20.8	261	42.0	60	40-140	35	30
Aroclor-1260 [2C]	**185**		µg/kg dry	20.8	261	49.3	52	40-140	29	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.6*		µg/kg dry		*20.8*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*14.6*		µg/kg dry		*20.8*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*13.6*		µg/kg dry		*20.8*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.0*		µg/kg dry		*20.8*		*115*	*30-150*		
Batch 1319508 - SW846 3540C										
Blank (1319508-BLK1)					Prepared: 14-Aug-13 Analyzed: 16-Aug-13					
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*76.7*		µg/kg wet		*66.7*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
LCS (1319508-BS1)					Prepared: 14-Aug-13 Analyzed: 16-Aug-13					
Aroclor-1016	**820**		µg/kg wet	66.7	833		98	40-140		
Aroclor-1016 [2C]	**707**		µg/kg wet	66.7	833		85	40-140		

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1319508 - SW846 3540C										
LCS (1319508-BS1)					Prepared: 14-Aug-13 Analyzed: 16-Aug-13					
Aroclor-1260	**863**		µg/kg wet	66.7	833		104	40-140		
Aroclor-1260 [2C]	**663**		µg/kg wet	66.7	833		80	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*76.7*		µg/kg wet		*66.7*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*83.3*		µg/kg wet		*66.7*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
LCS Dup (1319508-BSD1)					Prepared: 14-Aug-13 Analyzed: 16-Aug-13					
Aroclor-1016	**823**		µg/kg wet	66.7	833		99	40-140	0.4	30
Aroclor-1016 [2C]	**743**		µg/kg wet	66.7	833		89	40-140	5	30
Aroclor-1260	**780**		µg/kg wet	66.7	833		94	40-140	10	30
Aroclor-1260 [2C]	**757**		µg/kg wet	66.7	833		91	40-140	13	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*76.7*		µg/kg wet		*66.7*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*83.3*		µg/kg wet		*66.7*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*63.3*		µg/kg wet		*66.7*		*95*	*30-150*		
Duplicate (1319508-DUP1)			**Source: SB74831-36**		Prepared: 14-Aug-13 Analyzed: 17-Aug-13					
Aroclor-1016	< 61.1		µg/kg dry	61.1		BRL				30
Aroclor-1016 [2C]	< 61.1		µg/kg dry	61.1		BRL				30
Aroclor-1221	< 61.1		µg/kg dry	61.1		BRL				30
Aroclor-1221 [2C]	< 61.1		µg/kg dry	61.1		BRL				30
Aroclor-1232	< 61.1		µg/kg dry	61.1		BRL				30
Aroclor-1232 [2C]	< 61.1		µg/kg dry	61.1		BRL				30
Aroclor-1242	< 61.1		µg/kg dry	61.1		BRL				30
Aroclor-1242 [2C]	< 61.1		µg/kg dry	61.1		BRL				30
Aroclor-1248	< 61.1		µg/kg dry	61.1		BRL				30
Aroclor-1248 [2C]	< 61.1		µg/kg dry	61.1		BRL				30
Aroclor-1254	**235**	QM4	µg/kg dry	61.1		167			34	30
Aroclor-1254 [2C]	**257**	QM4	µg/kg dry	61.1		180			35	30
Aroclor-1260	< 61.1		µg/kg dry	61.1		BRL				30
Aroclor-1260 [2C]	< 61.1		µg/kg dry	61.1		BRL				30
Aroclor-1262	< 61.1		µg/kg dry	61.1		BRL				30
Aroclor-1262 [2C]	< 61.1		µg/kg dry	61.1		BRL				30
Aroclor-1268	< 61.1		µg/kg dry	61.1		BRL				30
Aroclor-1268 [2C]	< 61.1		µg/kg dry	61.1		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*39.7*		µg/kg dry		*61.1*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*39.7*		µg/kg dry		*61.1*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*45.9*		µg/kg dry		*61.1*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*36.7*		µg/kg dry		*61.1*		*60*	*30-150*		
Matrix Spike (1319508-MS1)			**Source: SB74831-36**		Prepared: 14-Aug-13 Analyzed: 17-Aug-13					
Aroclor-1016	**492**		µg/kg dry	62.7	392	BRL	126	40-140		
Aroclor-1016 [2C]	**433**		µg/kg dry	62.7	392	BRL	110	40-140		
Aroclor-1260	**254**		µg/kg dry	62.7	392	BRL	65	40-140		
Aroclor-1260 [2C]	**191**		µg/kg dry	62.7	392	BRL	49	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*25.1*		µg/kg dry		*62.7*		*40*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*25.1*		µg/kg dry		*62.7*		*40*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.1*		µg/kg dry		*62.7*		*40*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.8*		µg/kg dry		*62.7*		*30*	*30-150*		
Matrix Spike Dup (1319508-MSD1)			**Source: SB74831-36**		Prepared: 14-Aug-13 Analyzed: 17-Aug-13					
Aroclor-1016	**496**	QM7	µg/kg dry	53.1	332	BRL	150	40-140	17	30
Aroclor-1016 [2C]	**255**	QR5	µg/kg dry	53.1	332	BRL	77	40-140	36	30

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* Reportable Detection Limit

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1319508 - SW846 3540C										
Matrix Spike Dup (1319508-MSD1)			**Source: SB74831-36**		Prepared: 14-Aug-13 Analyzed: 17-Aug-13					
Aroclor-1260	**226**		µg/kg dry	53.1	332	BRL	68	40-140	5	30
Aroclor-1260 [2C]	**236**	QR2	µg/kg dry	53.1	332	BRL	71	40-140	37	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*26.5*		µg/kg dry		*53.1*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*26.5*		µg/kg dry		*53.1*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.9*		µg/kg dry		*53.1*		*45*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.2*		µg/kg dry		*53.1*		*40*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1319336 - General Preparation										
Duplicate (1319336-DUP1)			Source: SB74831-06			Prepared & Analyzed: 13-Aug-13				
% Solids	98.4		%			98.1			0.3	20
Batch 1319337 - General Preparation										
Duplicate (1319337-DUP1)			Source: SB74831-28			Prepared & Analyzed: 13-Aug-13				
% Solids	98.8		%			98.9			0.05	20

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
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.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR5	RPD out of acceptance range.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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

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

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

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

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

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

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

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

Validated by:
Kimberly Wisk
Nicole Leja

CT DAS Rules Apply

SB574 1.RN

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 5

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Henry Laliberte
21 Griffin Rd North
Windsor Locks CT 06095
Telephone #: 860-298-5689
Project Mgr. Same

Invoice To: Same
P.O. No.: C185572 RQN:

Project No.: 185572.4445.0710
Site Name: Bradley International Airport-Conc. B
Location: Windsor Locks State: CT
Sampler(s): MKaltrubs, GKaczynski

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

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: SOC/SVOC	State-specific reporting standards:
SB7423LA	CB-C022	8/8/13	1103	G	X1			2		X	SE
-02	CB-C023		1106								
-03	CB-C024		1108								
-04	CB-C025		1112								
-05	CB-C026		1114								
-06	CB-C027		1117								
-07	CB-C028		1118								
-08	CB-C029		1120								
-09	CB-C030		1124								
-10	CB-C031		1213								NE

Relinquished by:	Received by:	Date:	Time:	Temp°C
		8-12-13	1800	
		8/9/13	1600	
		8-12-13	12:50	

☐ EDD Format
☐ E-mail to HLaliberte@trcsolutions.com

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

24/-1/14 IR02

GDAS Rules Apply

SB74831.PY

SPECTRUM ANALYTICAL, INC.
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CHAIN OF CUSTODY RECORD

Page 2 of 5

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same as pg 1

Telephone #:

Project Mgr.

Invoice To: Same as pg 1

P.O. No.: RQN:

Project No.: B3572.4445.0210

Site Name: Bradley International Airport - Cor. B

Location: Windsor Locks State: CT

Sampler(s): M Kostuba, G Kaczynski

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

List preservative code below: 11

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

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: 8082/5040

QA/QC Reporting Notes:
* additional charges may apply

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

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/5040	State-specific reporting standards
SB74831.11	CB-C032	8/8/13	1215	G	X1			1		X	NE
-12	CB-C033		1217								
-13	CB-C034		1220								
-14	CB-C035		1222								
-15	CB-C036		1225								
-16	CB-C037		1227								
-17	CB-C0038		1230								
-18	CB-S4		1135		SO						CE
-19	CB-S5		1132								
-20	CB-S6		1146								

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	8-12-13	1200	
[signature]	[signature]	8/9/13	1600	
	[signature]	8-12-13	1250	

☐ EDD Format

☐ E-mail to Same as pg 1

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

2.4 L-1 L4 IR02

GPAs Rates Apply SB74[illegible]31 R4

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 5

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☑ Rush TAT - Date Needed: 5 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same as pg 1

Telephone #:

Project Mgr.

Invoice To: Same as pg 1

P.O. No.: RQN:

Project No.: 183572.4445.00710

Site Name: Bradley Int. Airport - Conc. B

Location: Windsor Locks State: CT

Sampler(s): MK, GK

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= Cool 12=

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: SOC/LS/PCC

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

QA/QC Reporting Level
☑ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	SOC/LS/PCC	State-specific reporting standards
SB74831-21	CB-S57	8/8/13	1148	G	SO			1		X	CE
-22	CB-S8		1150								
-23	CB-A10		1144		X2						
-24	CB-A11		1146								
-25	CB-A12		1345								NJ
-26	CB-A13		1350								
-27	CB-A14		1352								
-28	CB-C2-CM4-0"	8/9/13	1106		X1						TWA Hold From East
-29	CB-C2-CM5-0"		1130								Bridge-Interior
-30	CB-C2-BR4-0"		1122		X3						West-Dr

Relinquished by:	Received by:	Date	Time	Temp°C
[signature]	[signature]	~~8-8-13~~ 8/9/13	~~1200~~ 1600	
[signature]	[signature]	8-12-13	12:50	

☐ EDD Format
☐ E-mail to Same as page 1

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☑ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

24 1-1-14 IR02

CT PAS Rates Apply

SB7483 : RM

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 5

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same as pg 1

Telephone #:

Project Mgr.

Invoice To: Same as pg 1

P.O. No.: RQN:

Project No.: 183572.4445.0716

Site Name: Bradley Int. Airport, Conc. B

Location: Windsor Locks State: CT

Sampler(s): MK, GK

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= Cool 12=

List preservative code below: 11

DW=Drinking Water GW=Groundwater WW=Wastewater PL = Plaster
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air SHR-Sheetrock
X1= Concrete X2= X3= Brick

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: X8082/15940C

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/15940C	State-specific reporting standards:
SB7483.31	CB-C2-PL1-0"	8/9/13	1155	G	PL			1		X	Room 147
-32	CB-C3-CM3-0"		1010		X1						B20 Boarding Ramp
-33	CB-C3-BR3-0"		1000		X3						
-34	CB-C4-CO1-0"	8/8/13	1515		X11						
-35	CB-C4-CO1-3"		1525								
-36	CB-C4-BR4-0"	8/8/13	1245		X3						NE
-37	CB-C4-BR4-3"		1240								
-38	CB-C4-BR5-0"		1355								NJ
-39	CB-C4-BR5-3"		1404								
-40	CB-C10-SH1-0"	8/9/13	1043		SHR						TW A Holding Room NW

Relinquished by:	Received by:	Date	Time	Temp°C
		8-12-13	1200	
		8/9/13	1600	
		8-12-13	12:50	

☐ EDD Format

☐ E-mail to Same as pg 1

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

24/-1/14 IR02

11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • FAX 413-789-4076 • www.spectrum-analytical.com

Revised Feb 2013

CT D[illegible] Rates Apply SB[illegible]33.1R4

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 5 of 5

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same as pg 1

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: RQN:

Project No.: 18352.4445.0210

Site Name: Bradley Int. Airport - Conc. B

Location: Windsor Locks State: CT

Sampler(s): MK, GK

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= Cool 12=

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater SHR=Sheetrock
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= X3=

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: SB82/8270

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	SB82/8270	State-specific reporting standards:
SB[illegible]-41	CB-C10-SH2-0"	8/9/13	1047	G	SHR			1		X	TWA Holding Room NE
-42	CB-C11-CO2-0"	8/8/13	1116		X1						SE
-43	~~CB-CC7-OM1-0"~~	8/9/13	1035								TWA Holding Room
-44	~~CB-CC7-OM1-3"~~		1030								
-45	~~CB-CC7-OM2-0"~~		1100								TWA Holding Room East
-46	~~CB-CC7-OM2-3"~~		1055								
-47	~~CB-CC7-OM3-0"~~		1155								Room 147 A
-48	~~CB-CC7-OM3-3"~~		1150								

Hold until Authorized to Analyze

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	8-12-13	1200	
[signature]	[signature]	8/9/13	1600	
	[signature]	8-12-13	1250	

☐ EDD Format
☐ E-mail to Same as pg 1

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

04/-1/14 IR02

Report Date:
09-Sep-13 16:17

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

#3
Course B

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: Conn DOT - Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB76175-01	CB-C2-PL1-3"	Concrete	04-Sep-13 14:30	05-Sep-13 14:10
SB76175-02	CB-C2-PL1-6"	Concrete	04-Sep-13 14:20	05-Sep-13 14:10
SB76175-03	CB-C4-CO1-6"	Concrete	04-Sep-13 11:35	05-Sep-13 14:10
SB76175-04	CB-CC1-CM1-0"	Concrete	04-Sep-13 13:15	05-Sep-13 14:10
SB76175-05	CB-CC1-CM1-3"	Concrete	04-Sep-13 13:10	05-Sep-13 14:10
SB76175-06	CB-CC1-CM1-6"	Concrete	04-Sep-13 13:07	05-Sep-13 14:10
SB76175-07	CB-CC1-CM1-12"	Concrete	04-Sep-13 13:04	05-Sep-13 14:10
SB76175-08	CB-CC1-CM2-0"	Concrete	04-Sep-13 13:42	05-Sep-13 14:10
SB76175-09	CB-CC1-CM2-3"	Concrete	04-Sep-13 13:39	05-Sep-13 14:10
SB76175-10	CB-CC1-CM2-6"	Concrete	04-Sep-13 13:34	05-Sep-13 14:10
SB76175-11	CB-CC1-CM2-12"	Concrete	04-Sep-13 13:30	05-Sep-13 14:10
SB76175-12	CB-CC1-CM3-0"	Concrete	04-Sep-13 15:00	05-Sep-13 14:10
SB76175-13	CB-CC1-CM3-3"	Concrete	04-Sep-13 14:55	05-Sep-13 14:10
SB76175-14	CB-CC1-CM3-6"	Concrete	04-Sep-13 14:50	05-Sep-13 14:10
SB76175-15	CB-CC1-CM3-12"	Concrete	04-Sep-13 14:45	05-Sep-13 14:10
SB76175-16	CB-C2-CM6-0"	Concrete	04-Sep-13 13:55	05-Sep-13 14:10
SB76175-17	CB-C2-CM6-3"	Concrete	04-Sep-13 13:50	05-Sep-13 14:10
SB76175-18	CB-C2-CM7-0"	Concrete	04-Sep-13 14:10	05-Sep-13 14:10
SB76175-19	CB-C2-CM7-3"	Concrete	04-Sep-13 14:07	05-Sep-13 14:10

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 31 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.

Project Location: Conn DOT - Windsor Locks, CT

Project Name and Number: Conn DOT - Windsor Locks, CT / 183572.4445.0710

This form provides certification for the following data set: SB76175-01 through SB76175-19

Sample matrices:	**Analytical methods used:**
Concrete	SM2540 G Mod. SW846 8082A

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes	☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes	☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes	☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☑ Yes	☐ No *

* The compounds and/or elements reported are as 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.

Negative responses for A, B and C 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.

Nicole Leja

Nicole Leja
Laboratory Director
Date: 9/9/2013

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Conn DOT - Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
9/4/2013

Laboratory Sample ID(s):
SB76175-01 through SB76175-19

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Nicole Leja

Nicole Leja
Laboratory Director
Date: 9/9/2013

CASE NARRATIVE:

The samples were received 3.3 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.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Spikes:

1321402-MS1 *Source: SB76175-01*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.

Aroclor-1260
Aroclor-1260 [2C]

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Aroclor-1016

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

1321402-MSD1 *Source: SB76175-01*

RPD out of acceptance range.

Aroclor-1260

SW846 8082A

Spikes:

1321402-MSD1 *Source: SB76175-01*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.

Aroclor-1260
Aroclor-1260 [2C]

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Aroclor-1016
Aroclor-1016 [2C]

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

Duplicates:

1321402-DUP1 *Source: SB76175-01*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

Samples:

SB76175-01 *CB-C2-PL1-3"*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB76175-02 *CB-C2-PL1-6"*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SW846 8082A

Samples:

SB76175-04 *CB-CC1-CM1-0"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr)

SB76175-05 *CB-CC1-CM1-3"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr)

SB76175-06 *CB-CC1-CM1-6"*

Difference between the two GC columns is greater than 40%.

Aroclor-1262 [2C]

SB76175-07 *CB-CC1-CM1-12"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr)

SB76175-08 *CB-CC1-CM2-0"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr)

SB76175-10 *CB-CC1-CM2-6"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr)

SB76175-11 *CB-CC1-CM2-12"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr)

SB76175-13 *CB-CC1-CM3-3"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr)

SB76175-14 *CB-CC1-CM3-6"*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB76175-15 *CB-CC1-CM3-12"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr)

SB76175-16 *CB-C2-CM6-0"*

SW846 8082A

Samples:

SB76175-16 *CB-C2-CM6-0"*

The surrogate reeovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr)

SB76175-17 *CB-C2-CM6-3"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr)

SB76175-19 *CB-C2-CM7-3"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr)

Sample Acceptance Check Form

Client:	TRC - Windsor, CT
Project:	Conn DOT - Windsor Locks, CT / 183572.4445.0710
Work Order:	SB76175
Sample(s) received on:	9/5/2013
Received by:	Vickie Knowles

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
1. Were custody seals present?	☐	☑	☐
2. Were custody seals intact?	☐	☐	☑
3. Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
4. Were samples cooled on ice upon transfer to laboratory representative?	☐	☑	☐
5. Were samples refrigerated upon transfer to laboratory representative?	☐	☑	☐
6. Were sample containers received intact?	☑	☐	☐
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
8. Were samples accompanied by a Chain of Custody document?	☑	☐	☐
9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☑	☐	☐
10. Did sample container labels agree with Chain of Custody document?	☑	☐	☐
11. Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C2-PL1-3"	183572.4445.0710	Concrete	04-Sep-13 14:30	05-Sep-13
S[illegible]175-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1260	D	µg/kg dry	1260	939	20	SW846 8082A	05-Sep-13	09-Sep-13	BLM	1321402	X
11104-28-2	Aroclor-1221	< 1260	D	µg/kg dry	1260	1130	20	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1260	D	µg/kg dry	1260	807	20	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1260	D	µg/kg dry	1260	756	20	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1260	D	µg/kg dry	1260	654	20	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 1260	D	µg/kg dry	1260	1050	20	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1260	D	µg/kg dry	1260	780	20	"	"	"	"	"	X
37324-23-5	Aroclor-1262	78,300	D	µg/kg dry	1260	1170	20	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1260	D	µg/kg dry	1260	519	20	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.6		%			1	SM2540 G Mod.	06-Sep-13	06-Sep-13	DT	1321487	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C2-PL1-6" SB76175-02	183572.4445.0710	Concrete	04-Sep-13 14:20	05-Sep-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1360	D	µg/kg dry	1360	1020	20	SW846 8082A	05-Sep-13	09-Sep-13	BLM	1321402	X
11104-28-2	Aroclor-1221	< 1360	D	µg/kg dry	1360	1230	20	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1360	D	µg/kg dry	1360	875	20	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1360	D	µg/kg dry	1360	819	20	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1360	D	µg/kg dry	1360	708	20	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 1360	D	µg/kg dry	1360	1140	20	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1360	D	µg/kg dry	1360	845	20	"	"	"	"	"	X
37324-23-5	Aroclor-1262	64,200	D	µg/kg dry	1360	1270	20	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1360	D	µg/kg dry	1360	562	20	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.9		%			1	SM2540 G Mod.	06-Sep-13	06-Sep-13	DT	1321467	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C4-CO1-6"	183572.4445.0710	Concrete	04-Sep-13 11:35	05-Sep-13
SB56175-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.5		µg/kg dry	65.5	48.9	1	SW846 8082A	05-Sep-13	06-Sep-13	BLM	1321402	X
11104-28-2	Aroclor-1221	< 65.5		µg/kg dry	65.5	59.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.5		µg/kg dry	65.5	42.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.5		µg/kg dry	65.5	39.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.5		µg/kg dry	65.5	34.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	164		µg/kg dry	65.5	54.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.5		µg/kg dry	65.5	40.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.5		µg/kg dry	85.5	61.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.5		µg/kg dry	65.5	27.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	06-Sep-13	06-Sep-13	DT	1321487	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-CC1-CM1-0"	183572.4445.0710	Concrete	04-Sep-13 13:15	05-Sep-13
SB76175-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.1		µg/kg dry	62.1	46.4	1	SW846 8082A	05-Sep-13	06-Sep-13	BLM	1321402	X
11104-28-2	Aroclor-1221	< 62.1		µg/kg dry	62.1	56.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.1		µg/kg dry	62.1	39.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.1		µg/kg dry	62.1	37.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.1		µg/kg dry	62.1	32.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.1		µg/kg dry	62.1	51.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.1		µg/kg dry	62.1	38.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	**7,190**		µg/kg dry	62.1	57.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.1		µg/kg dry	62.1	25.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*270*	S02		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	06-Sep-13	06-Sep-13	DT	1321487	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-CC1-CM1-3"	183572.4445.0710	Concrete	04-Sep-13 13:10	05-Sep-13
S[illegible]175-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.6		µg/kg dry	63.6	47.5	1	SW846 8082A	05-Sep-13	06-Sep-13	BLM	1321402	X
11104-28-2	Aroclor-1221	< 63.6		µg/kg dry	63.6	57.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.6		µg/kg dry	63.6	40.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.6		µg/kg dry	63.6	38.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.6		µg/kg dry	63.6	33.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.6		µg/kg dry	63.6	53.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.6		µg/kg dry	63.6	39.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	7,930		µg/kg dry	63.6	59.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.6		µg/kg dry	63.6	26.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*295*	S02		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	06-Sep-13	06-Sep-13	DT	1321487	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-CC1-CM1-6"	183572.4445.0710	Concrete	04-Sep-13 13:07	05-Sep-13
SB76175-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.8		µg/kg dry	64.8	48.4	1	SW846 8082A	05-Sep-13	06-Sep-13	BLM	1321402	X
11104-28-2	Aroclor-1221	< 64.8		µg/kg dry	64.8	58.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.8		µg/kg dry	64.8	41.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.8		µg/kg dry	64.8	39.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.8		µg/kg dry	64.8	33.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.8		µg/kg dry	64.8	54.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.8		µg/kg dry	64.8	40.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262 [2C]	5,170	P	µg/kg dry	64.8	62.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.8		µg/kg dry	64.8	26.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*140*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	06-Sep-13	06-Sep-13	DT	1321487	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-CC1-CM1-12" SD76175-07	183572.4445.0710	Concrete	04-Sep-13 13:04	05-Sep-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 55.5		µg/kg dry	55.5	41.5	1	SW846 8082A	05-Sep-13	06-Sep-13	BLM	1321402	X
11104-28-2	Aroclor-1221	< 55.5		µg/kg dry	55.5	50.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.5		µg/kg dry	55.5	35.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.5		µg/kg dry	55.5	33.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.5		µg/kg dry	55.5	28.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 55.5		µg/kg dry	55.5	46.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 55.5		µg/kg dry	55.5	34.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	11,500		µg/kg dry	55.5	51.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 55.5		µg/kg dry	55.5	22.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*155*	S02		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	06-Sep-13	06-Sep-13	DT	1321487	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-CC1-CM2-0"	183572.4445.0710	Concrete	04-Sep-13 13:42	05-Sep-13
SB76175-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.1		µg/kg dry	60.1	44.9	1	SW846 8082A	05-Sep-13	06-Sep-13	BLM	1321402	X
11104-28-2	Aroclor-1221	< 60.1		µg/kg dry	60.1	54.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.1		µg/kg dry	60.1	38.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.1		µg/kg dry	60.1	36.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.1		µg/kg dry	60.1	31.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.1		µg/kg dry	60.1	50.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.1		µg/kg dry	60.1	37.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262 [2C]	11,600		µg/kg dry	60.1	57.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.1		µg/kg dry	60.1	24.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*380*	S02		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	06-Sep-13	06-Sep-13	DT	1321487	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-CC1-CM2-3"	183572.4445.0710	Concrete	04-Sep-13 13:39	05-Sep-13
SB76175-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.9		µg/kg dry	57.9	43.2	1	SW846 8082A	05-Sep-13	06-Sep-13	BLM	1321402	X
11104-28-2	Aroclor-1221	< 57.9		µg/kg dry	57.9	52.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.9		µg/kg dry	57.9	37.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.9		µg/kg dry	57.9	34.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.9		µg/kg dry	57.9	30.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 57.9		µg/kg dry	57.9	48.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.9		µg/kg dry	57.9	35.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	4,220		µg/kg dry	57.9	53.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.9		µg/kg dry	57.9	23.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	06-Sep-13	06-Sep-13	DT	1321487	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-CC1-CM2-6"	183572.4445.0710	Concrete	04-Sep-13 13:34	05-Sep-13
SB76175-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.9		µg/kg dry	59.9	44.7	1	SW846 8082A	05-Sep-13	06-Sep-13	BLM	1321402	X
11104-28-2	Aroclor-1221	< 59.9		µg/kg dry	59.9	53.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.9		µg/kg dry	59.9	38.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.9		µg/kg dry	59.9	36.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.9		µg/kg dry	59.9	31.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 59.9		µg/kg dry	59.9	49.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.9		µg/kg dry	59.9	37.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	11,500		µg/kg dry	59.9	55.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.9		µg/kg dry	59.9	24.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*310*	S02		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	06-Sep-13	06-Sep-13	DT	1321487	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-CC1-CM2-12"	183572.4445.0710	Concrete	04-Sep-13 13:30	05-Sep-13
SB76175-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.2		µg/kg dry	63.2	47.2	1	SW846 8082A	05-Sep-13	06-Sep-13	BLM	1321402	X
11104-28-2	Aroclor-1221	< 63.2		µg/kg dry	63.2	57.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.2		µg/kg dry	63.2	40.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.2		µg/kg dry	63.2	38.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.2		µg/kg dry	63.2	32.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.2		µg/kg dry	63.2	52.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.2		µg/kg dry	63.2	39.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	**15,100**		µg/kg dry	63.2	58.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.2		µg/kg dry	63.2	26.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*360*	S02		*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]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**99.2**		%			1	SM2540 G Mod.	06-Sep-13	06-Sep-13	DT	1321487	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-CC1-CM3-0"	183572.4445.0710	Concrete	04-Sep-13 15:00	05-Sep-13
SB76175-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 55.9		µg/kg dry	55.9	41.7	1	SW846 8082A	05-Sep-13	06-Sep-13	BLM	1321402	X
11104-28-2	Aroclor-1221	< 55.9		µg/kg dry	55.9	50.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.9		µg/kg dry	55.9	35.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.9		µg/kg dry	55.9	33.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.9		µg/kg dry	55.9	29.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 55.9		µg/kg dry	55.9	46.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 55.9		µg/kg dry	55.9	34.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	4,040		µg/kg dry	55.9	52.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1266	< 55.9		µg/kg dry	55.9	23.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	06-Sep-13	06-Sep-13	DT	1321487	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-CC1-CM3-3"	183572.4445.0710	Concrete	04-Sep-13 14:55	05-Sep-13
[illegible]175-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 55.2		µg/kg dry	55.2	41.2	1	SW846 8082A	05-Sep-13	06-Sep-13	BLM	1321402	X
11104-28-2	Aroclor-1221	< 55.2		µg/kg dry	55.2	49.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.2		µg/kg dry	55.2	35.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.2		µg/kg dry	55.2	33.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.2		µg/kg dry	55.2	28.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 55.2		µg/kg dry	55.2	46.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 55.2		µg/kg dry	55.2	34.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262 [2C]	9,770		µg/kg dry	55.2	53.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 55.2		µg/kg dry	55.2	22.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*525*	S02		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	06-Sep-13	06-Sep-13	DT	1321487	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-CC1-CM3-6"	183572.4445.0710	Concrete	04-Sep-13 14:50	05-Sep-13
SB76175-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 607	D	µg/kg dry	607	453	10	SW846 8082A	05-Sep-13	09-Sep-13	BLM	1321402	X
11104-28-2	Aroclor-1221	< 607	D	µg/kg dry	607	547	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 607	D	µg/kg dry	607	390	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 607	D	µg/kg dry	607	365	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 607	D	µg/kg dry	607	316	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 607	D	µg/kg dry	607	506	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 607	D	µg/kg dry	607	376	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	24,400	D	µg/kg dry	607	565	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 607	D	µg/kg dry	607	250	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	06-Sep-13	06-Sep-13	DT	1321488	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-CC1-CM3-12"	183572.4445.0710	Concrete	04-Sep-13 14:45	05-Sep-13
[illegible]6175-15				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.6		µg/kg dry	57.6	43.1	1	SW846 8082A	05-Sep-13	07-Sep-13	BLM	1321402	X
11104-28-2	Aroclor-1221	< 57.6		µg/kg dry	57.6	51.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.6		µg/kg dry	57.6	37.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.6		µg/kg dry	57.6	34.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.6		µg/kg dry	57.6	30.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 57.6		µg/kg dry	57.6	48.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.6		µg/kg dry	57.6	35.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	8,790		µg/kg dry	57.6	53.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.6		µg/kg dry	57.6	23.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*165*	S02		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	06-Sep-13	06-Sep-13	DT	1321468	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C2-CM6-0"	183572.4445.0710	Concrete	04-Sep-13 13:55	05-Sep-13
SB76175-16				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 55.6		µg/kg dry	55.6	41.6	1	SW846 8082A	05-Sep-13	07-Sep-13	BLM	1321402	X
11104-28-2	Aroclor-1221	< 55.6		µg/kg dry	55.6	50.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.6		µg/kg dry	55.6	35.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.6		µg/kg dry	55.6	33.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.6		µg/kg dry	55.6	28.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 55.6		µg/kg dry	55.6	46.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 55.6		µg/kg dry	55.6	34.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262 [2C]	13,500		µg/kg dry	55.6	53.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 55.6		µg/kg dry	55.6	22.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*490*	S02		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	06-Sep-13	06-Sep-13	DT	1321488	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C2-CM6-3"	183572.4445.0710	Concrete	04-Sep-13 13:50	05-Sep-13
SB76175-17				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.3		µg/kg dry	64.3	48.0	1	SW846 8082A	05-Sep-13	07-Sep-13	BLM	1321402	X
11104-28-2	Aroclor-1221	< 64.3		µg/kg dry	64.3	57.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.3		µg/kg dry	64.3	41.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.3		µg/kg dry	64.3	38.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.3		µg/kg dry	64.3	33.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.3		µg/kg dry	64.3	53.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.3		µg/kg dry	64.3	39.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	14,000		µg/kg dry	64.3	59.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.3		µg/kg dry	64.3	26.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*175*	S02		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	06-Sep-13	06-Sep-13	DT	1321488	

Sample Identification

CB-C2-CM7-0"	Client Project #	Matrix	Collection Date/Time	Received
SB76175-18	183572.4445.0710	Concrete	04-Sep-13 14:10	05-Sep-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.3		µg/kg dry	66.3	49.6	1	SW846 8082A	05-Sep-13	07-Sep-13	BLM	1321402	X
11104-28-2	Aroclor-1221	< 66.3		µg/kg dry	66.3	59.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.3		µg/kg dry	66.3	42.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.3		µg/kg dry	66.3	39.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.3		µg/kg dry	66.3	34.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.3		µg/kg dry	66.3	55.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.3		µg/kg dry	66.3	41.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262 [2C]	7,550		µg/kg dry	66.3	63.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.3		µg/kg dry	66.3	27.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*			*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]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	06-Sep-13	06-Sep-13	DT	1321488	

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* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C2-CM7-3"	183572.4445.0710	Concrete	04-Sep-13 14:07	05-Sep-13
SB76175-19				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.2		µg/kg dry	64.2	48.0	1	SW846 8082A	05-Sep-13	07-Sep-13	BLM	1321402	X
11104-28-2	Aroclor-1221	< 64.2		µg/kg dry	64.2	57.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.2		µg/kg dry	64.2	41.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.2		µg/kg dry	64.2	38.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.2		µg/kg dry	64.2	33.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.2		µg/kg dry	64.2	53.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.2		µg/kg dry	64.2	39.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262 [2C]	12,200		µg/kg dry	64.2	61.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.2		µg/kg dry	64.2	26.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*295*	S02		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	06-Sep-13	06-Sep-13	DT	1321488	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1321402 - SW846 3540C										
Blank (1321402-BLK1)						Prepared: 05-Sep-13 Analyzed: 06-Sep-13				
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*13.0*		µg/kg wet		*20.0*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*12.0*		µg/kg wet		*20.0*		*60*	*30-150*		
LCS (1321402-BS1)						Prepared: 05-Sep-13 Analyzed: 06-Sep-13				
Aroclor-1016	**232**		µg/kg wet	20.0	250		93	40-140		
Aroclor-1016 [2C]	**222**		µg/kg wet	20.0	250		89	40-140		
Aroclor-1260	**239**		µg/kg wet	20.0	250		96	40-140		
Aroclor-1260 [2C]	**198**		µg/kg wet	20.0	250		79	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*11.0*		µg/kg wet		*20.0*		*55*	*30-150*		
LCS Dup (1321402-BSD1)						Prepared: 05-Sep-13 Analyzed: 06-Sep-13				
Aroclor-1016	**230**		µg/kg wet	20.0	250		92	40-140	0.9	30
Aroclor-1016 [2C]	**224**		µg/kg wet	20.0	250		90	40-140	0.9	30
Aroclor-1260	**237**		µg/kg wet	20.0	250		95	40-140	0.8	30
Aroclor-1260 [2C]	**199**		µg/kg wet	20.0	250		80	40-140	0.5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*11.0*		µg/kg wet		*20.0*		*55*	*30-150*		
Duplicate (1321402-DUP1)		GS1	**Source: SB76175-01**			Prepared: 05-Sep-13 Analyzed: 09-Sep-13				
Aroclor-1016	< 1320	D	µg/kg dry	1320		BRL				30
Aroclor-1016 [2C]	< 1320	D	µg/kg dry	1320		BRL				30
Aroclor-1221	< 1320	D	µg/kg dry	1320		BRL				30
Aroclor-1221 [2C]	< 1320	D	µg/kg dry	1320		BRL				30
Aroclor-1232	< 1320	D	µg/kg dry	1320		BRL				30
Aroclor-1232 [2C]	< 1320	D	µg/kg dry	1320		BRL				30
Aroclor-1242	< 1320	D	µg/kg dry	1320		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1321402 - SW846 3540C										
Duplicate (1321402-DUP1)		GS1	**Source: SB76175-01**			Prepared: 05-Sep-13 Analyzed: 09-Sep-13				
Aroclor-1242 [2C]	< 1320	D	µg/kg dry	1320		BRL				30
Aroclor-1248	< 1320	D	µg/kg dry	1320		BRL				30
Aroclor-1248 [2C]	< 1320	D	µg/kg dry	1320		BRL				30
Aroclor-1254	< 1320	D	µg/kg dry	1320		BRL				30
Aroclor-1254 [2C]	< 1320	D	µg/kg dry	1320		BRL				30
Aroclor-1260	< 1320	D	µg/kg dry	1320		BRL				30
Aroclor-1260 [2C]	< 1320	D	µg/kg dry	1320		BRL				30
Aroclor-1262	**77800**	D	µg/kg dry	1320		78300			0.7	30
Aroclor-1262 [2C]	**59300**	D	µg/kg dry	1320		56200			5	30
Aroclor-1268	< 1320	D	µg/kg dry	1320		BRL				30
Aroclor-1268 [2C]	< 1320	D	µg/kg dry	1320		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*66.0*			*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*66.0*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*66.0*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*66.0*			*30-150*		
Matrix Spike (1321402-MS1)		GS1	**Source: SB76175-01**			Prepared: 05-Sep-13 Analyzed: 09-Sep-13				
Aroclor-1016	**1460**	QM7, D	µg/kg dry	1330	828	BRL	176	40-140		
Aroclor-1016 [2C]	**994**	D	µg/kg dry	1330	828	BRL	120	40-140		
Aroclor-1260	**97200**	QM1, D	µg/kg dry	1330	828	BRL	11700	40-140		
Aroclor-1260 [2C]	**70800**	QM1, D	µg/kg dry	1330	828	BRL	8550	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*66.3*			*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*66.3*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*66.3*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*66.3*			*30-150*		
Matrix Spike Dup (1321402-MSD1)		GS1	**Source: SB76175-01**			Prepared: 05-Sep-13 Analyzed: 09-Sep-13				
Aroclor-1016	**1720**	QM7, D	µg/kg dry	1280	799	BRL	216	40-140	20	30
Aroclor-1016 [2C]	**1150**	QM7, D	µg/kg dry	1280	799	BRL	144	40-140	18	30
Aroclor-1260	**129000**	QM1, QR5, D	µg/kg dry	1280	799	BRL	16100	40-140	31	30
Aroclor-1260 [2C]	**86100**	QM1, D	µg/kg dry	1280	799	BRL	10800	40-140	23	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*63.9*			*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*63.9*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.00*	S01	µg/kg dry		*63.9*			*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.00*	S01	µg/kg dry		*63.9*			*30-150*		

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
P	Difference between the two GC columns is greater than 40%.
QM1	The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR5	RPD out of acceptance range.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk
Nicole Leja

✓ SB76[illegible] OK

Utilize CT DAS Rates

CHAIN OF CUSTODY RECORD

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Page 1 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 48 hour TAT
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Henry Laliberte
216 Griffin Rd North
Windsor, CT 06095
CTRC Environmental
Telephone #: 860-298-6266
Project Mgr. Henry Laliberte

Invoice To: (Same as report)
P.O. No.: C183572 RQN:

Project No.: 183572 4445.0710
Site Name: ConnDOT-BIA-Concourse B
Location: Windsor Locks State: CT
Sampler(s): Mike Kostka

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= concrete X2= X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV* ☐ Other

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C							State-specific reporting standards:
76195-01	CB-C2-PL1-3"	9/4/13	1430	G	X1			1		X							Rm 147
02	CB-C2-PL1-6"		1420							X							
03	CB-C4-CO1-6"		1135							X							820 Bradley Ramp
04	CB-CC1-CM2-0"		1315							X							North and TWA Hallmark
05	CB-CC1-CM1-3"		1310							X	43L/33IR2						
06	CB-CC1-CM1-6"		1307							X							
07	CB-CC1-CM1-12"		1304							X							
08	CB-CC1-CM2-0"		1342							X							TWA Hallmark-East
09	CB-CC1-CM2-3"		1339							X							
10	CB-CC1-CM2-6"		1334							X							

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	9/5/13	1247	
[signature]	[signature]	9/5/13	1410	

☐ EDD Format
☒ E-mail to HLaliberte@TRCsolutions.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☒ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Utilize CT DAS Rats

✓ SB76175 OK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 48 hour TAT
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: (Same as Page 1)

Telephone #:

Project Mgr.

Invoice To: (Same as Page 1)

P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710

Site Name: Conn DOT - BIA - Concourse B

Location: Windsor Locks State: CT

Sampler(s): Mike Kaitah

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= X3=

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: 8082/3540C

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C								State-specific reporting standards:
T6175-11	CB-CC1-CM2-12"	9/4/13	1330	G	X1			1		X								TWA Hollman - East
12	CB-CC1-CM3-0"		1500							X								Rm 147A
13	CB-CC1-CM3-3"		1455							X								
14	CB-CC1-CM3-6"		1450							X								
15	CB-CC1-CM3-12"		1445							X								
16	CB-C2-CM6-0"		1355							X								TWA Hollman - East
17	CB-C2-CM6-3"		1350							X								
18	CB-C2-CM7-0"		1410							X								TWA Hollman - West
19	CB-C2-CM7-3"		1407							X								

N3L13 IR

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	9/5/13	1247	
[signature]	[signature]	9/5/13	1410	

☐ EDD Format
☒ E-mail to HLaliberte@TRCsolutions.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☒ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Report Date:
19-Sep-13 15:14

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: Conn DOT - Windsor Locks, CT
Project #: 183572.4445.00710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB76865-01	CB-CC1-CM1-24"	Concrete	12-Sep-13 15:00	17-Sep-13 16:35
SB76865-02	CB-CC1-CM1-36"	Concrete	12-Sep-13 15:10	17-Sep-13 16:35
SB76865-03	CB-CC1-CM2-24"	Concrete	12-Sep-13 15:30	17-Sep-13 16:35
SB76865-04	CB-CC1-CM3-24"	Concrete	12-Sep-13 15:48	17-Sep-13 16:35
SB76865-05	CB-C2-PL1-36"	Plaster	12-Sep-13 16:10	17-Sep-13 16:35
SB76865-06	CB-C2-PL1-24"	Plaster	12-Sep-13 16:00	17-Sep-13 16:35
SB76865-07	CB-C2-PL1-12"	Plaster	12-Sep-13 16:04	17-Sep-13 16:35

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 15 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory r

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.

Project Location: Conn DOT - Windsor Locks, CT

Project Name and Number: Conn DOT - Windsor Locks, CT / 183572.4445.00710

This form provides certification for the following data set: SB76865-01 through SB76865-07

Sample matrices:	**Analytical methods used:**
Concrete	SM2540 G Mod.
Plaster	SW846 8082A

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes	☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes	☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes	☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☑ Yes	☐ No *

* The compounds and/or elements reported are as 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.

Negative responses for A, B and C 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.

Nicole Leja

Nicole Leja
Laboratory Director
Date: 9/19/2013

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Conn DOT - Windsor Locks, CT

Project Number: 183572.4445.00710

Sampling Date(s):
9/12/2013

Laboratory Sample ID(s):
SB76865-01 through SB76865-07

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	✓ Yes	No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes	✓ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Nicole Leja

Nicole Leja
Laboratory Director
Date: 9/19/2013

CASE NARRATIVE:

The samples were received 2.7 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Acceptance Check Form

Client:	TRC - Windsor, CT
Project:	Conn DOT - Windsor Locks, CT / 183572.4445.00710
Work Order:	SB76865
Sample(s) received on:	9/17/2013
Received by:	Jessica Hoffman

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
1. Were custody seals present?	☐	☑	☐
2. Were custody seals intact?	☐	☐	☑
3. Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
4. Were samples cooled on ice upon transfer to laboratory representative?	☐	☑	☐
5. Were samples refrigerated upon transfer to laboratory representative?	☑	☐	☐
6. Were sample containers received intact?	☑	☐	☐
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
8. Were samples accompanied by a Chain of Custody document?	☑	☐	☐
9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☑	☐	☐
10. Did sample container labels agree with Chain of Custody document?	☑	☐	☐
11. Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-CC1-CM1-24" SB76865-01	183572.4445.00710	Concrete	12-Sep-13 15:00	17-Sep-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.3		µg/kg dry	59.3	44.3	1	SW846 8082A	17-Sep-13	18-Sep-13	BLM	1322434	X
11104-28-2	Aroclor-1221	< 59.3		µg/kg dry	59.3	53.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.3		µg/kg dry	59.3	38.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.3		µg/kg dry	59.3	35.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.3		µg/kg dry	59.3	30.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 59.3		µg/kg dry	59.3	49.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	8,440		µg/kg dry	59.3	29.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.3		µg/kg dry	59.3	55.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.3		µg/kg dry	59.3	24.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322512	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-CC1-CM1-36"	183572.4445.00710	Concrete	12-Sep-13 15:10	17-Sep-13
S[illegible]865-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.2		µg/kg dry	62.2	46.4	1	SW846 8082A	17-Sep-13	18-Sep-13	BLM	1322434	X
11104-28-2	Aroclor-1221	< 62.2		µg/kg dry	62.2	56.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.2		µg/kg dry	62.2	39.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.2		µg/kg dry	62.2	37.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.2		µg/kg dry	62.2	32.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.2		µg/kg dry	62.2	51.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	8,490		µg/kg dry	62.2	31.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.2		µg/kg dry	62.2	57.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.2		µg/kg dry	62.2	25.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322512	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-CC1-CM2-24"	183572.4445.00710	Concrete	12-Sep-13 15:30	17-Sep-13
SB76865-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 52.8		µg/kg dry	52.8	39.4	1	SW846 8082A	17-Sep-13	18-Sep-13	BLM	1322434	X
11104-28-2	Aroclor-1221	< 52.8		µg/kg dry	52.8	47.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 52.8		µg/kg dry	52.8	33.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 52.8		µg/kg dry	52.8	31.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 52.8		µg/kg dry	52.8	27.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 52.8		µg/kg dry	52.8	44.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	5,270		µg/kg dry	52.8	26.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 52.6		µg/kg dry	52.8	49.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 52.8		µg/kg dry	52.8	21.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322512	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-CC1-CM3-24"	183572.4445.00710	Concrete	12-Sep-13 15:48	17-Sep-13
S[illegible]65-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.1		µg/kg dry	61.1	45.6	1	SW846 8082A	17-Sep-13	18-Sep-13	BLM	1322434	X
11104-28-2	Aroclor-1221	< 61.1		µg/kg dry	61.1	55.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.1		µg/kg dry	61.1	39.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.1		µg/kg dry	61.1	36.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.1		µg/kg dry	61.1	31.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.1		µg/kg dry	61.1	50.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.1		µg/kg dry	61.1	37.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.1		µg/kg dry	61.1	56.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.1		µg/kg dry	61.1	25.2	1	"	"	"	"	"	X
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)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322512	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C2-PL1-36"	183572.4445.00710	Plaster	12-Sep-13 16:10	17-Sep-13
SB76865-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 220		µg/kg dry	220	164	1	SW846 8082A	17-Sep-13	18-Sep-13	BLM	1322434	X
11104-28-2	Aroclor-1221	< 220		µg/kg dry	220	198	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 220		µg/kg dry	220	141	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 220		µg/kg dry	220	132	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 220		µg/kg dry	220	114	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 220		µg/kg dry	220	183	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	< 220		µg/kg dry	220	110	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 220		µg/kg dry	220	205	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 220		µg/kg dry	220	90.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	88.5		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322512	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C2-PL1-24"	183572.4445.00710	Plaster	12-Sep-13 16:00	17-Sep-13
[illegible]865-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 217		µg/kg dry	217	162	1	SW846 8082A	17-Sep-13	18-Sep-13	BLM	1322434	X
11104-28-2	Aroclor-1221	< 217		µg/kg dry	217	196	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 217		µg/kg dry	217	140	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 217		µg/kg dry	217	131	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 217		µg/kg dry	217	113	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 217		µg/kg dry	217	181	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 217		µg/kg dry	217	135	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 217		µg/kg dry	217	202	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 217		µg/kg dry	217	89.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	89.0		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322513	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
CB-C2-PL1-12"	183572.4445.00710	Plaster	12-Sep-13 16:04	17-Sep-13
SB76865-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 73.9		µg/kg dry	73.9	55.2	1	SW846 8082A	17-Sep-13	18-Sep-13	IMR	1322436	X
11104-28-2	Aroclor-1221	< 73.9		µg/kg dry	73.9	66.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 73.9		µg/kg dry	73.9	47.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 73.9		µg/kg dry	73.9	44.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 73.9		µg/kg dry	73.9	38.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	92.3		µg/kg dry	73.9	43.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 73.9		µg/kg dry	73.9	45.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 73.9		µg/kg dry	73.9	68.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 73.9		µg/kg dry	73.9	30.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	88.4		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322513	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1322434 - SW846 3540C										
Blank (1322434-BLK1)					Prepared: 17-Sep-13 Analyzed: 18-Sep-13					
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
LCS (1322434-BS1)					Prepared: 17-Sep-13 Analyzed: 18-Sep-13					
Aroclor-1016	**813**		µg/kg wet	66.7	833		98	40-140		
Aroclor-1016 [2C]	**833**		µg/kg wet	66.7	833		100	40-140		
Aroclor-1260	**657**		µg/kg wet	66.7	833		79	40-140		
Aroclor-1260 [2C]	**1050**		µg/kg wet	66.7	833		126	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*80.0*		µg/kg wet		*66.7*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*100*		µg/kg wet		*66.7*		*150*	*30-150*		
LCS Dup (1322434-BSD1)					Prepared: 17-Sep-13 Analyzed: 18-Sep-13					
Aroclor-1016	**813**		µg/kg wet	66.7	833		98	40-140	0	30
Aroclor-1016 [2C]	**853**		µg/kg wet	66.7	833		102	40-140	2	30
Aroclor-1260	**720**		µg/kg wet	66.7	833		86	40-140	9	30
Aroclor-1260 [2C]	**1090**		µg/kg wet	66.7	833		131	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*83.3*		µg/kg wet		*66.7*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*100*		µg/kg wet		*66.7*		*150*	*30-150*		
Batch 1322436 - SW846 3540C										
Blank (1322436-BLK1)					Prepared: 17-Sep-13 Analyzed: 19-Sep-13					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1322436 - SW846 3540C										
Blank (1322436-BLK1)					Prepared: 17-Sep-13 Analyzed: 19-Sep-13					
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
LCS (1322436-BS1)					Prepared: 17-Sep-13 Analyzed: 19-Sep-13					
Aroclor-1016	**210**		µg/kg wet	20.0	250		84	40-140		
Aroclor-1016 [2C]	**201**		µg/kg wet	20.0	250		80	40-140		
Aroclor-1260	**195**		µg/kg wet	20.0	250		78	40-140		
Aroclor-1260 [2C]	**189**		µg/kg wet	20.0	250		76	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*14.0*		µg/kg wet		*20.0*		*70*	*30-150*		
LCS Dup (1322436-BSD1)					Prepared: 17-Sep-13 Analyzed: 19-Sep-13					
Aroclor-1016	**211**		µg/kg wet	20.0	250		84	40-140	0.5	30
Aroclor-1016 [2C]	**202**		µg/kg wet	20.0	250		81	40-140	0.5	30
Aroclor-1260	**198**		µg/kg wet	20.0	250		79	40-140	2	30
Aroclor-1260 [2C]	**196**		µg/kg wet	20.0	250		78	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.0*		µg/kg wet		*20.0*		*75*	*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.

Validated by:
June O'Connor
Kimberly Wisk
Nicole Leja

* Utilize CT DAS Rates *

✓ 38076365

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 48 Hr TAT
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: H. Laliberte
21 Griffin Rd North
Windsor CT 06095
(TRC)
Telephone #: 860 798 5689
Project Mgr. H. Laliberte

Invoice To: H. Laliberte

P.O. No.: 183572 RQN:

Project No.: 183572-4445-00710
Site Name: CT DOT - BTA - Concourse B
Location: Windsor Locks State: CT
Sampler(s): G. Kaczynski

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= Plaster X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		PCB-35400							
76365-01	CB-CC1-CM1-24"	9/12/13	1500	G	X1			1			X							
02	CB-CC1-CM1-36"	↓	1510	↓	X1			↓			X							
03	CB-CC1-CM2-24"		1530		X1						X							
04	CB-CC1-CM3-24"		1548		X1						X							
05	CB-C2-PL1-36"		1610		X2						X							
06	CB-C2-PL1-24"		1600		X2						X							
07	CB-C2-PL1-12"	↓	1604	↓	X2			↓			X							

Analyses:

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

TWA Hold for North
↓
" " " East
Rm 147A
Rm 147
↓

3.7/-1/2.7 IRC

Relinquished by:	Received by:	Date:	Time:	Temp°C
Tom Mar	Jet	9-17-13	3:35p	
Jet	JCH	9/17/13	1035	

☐ EDD Format
☒ E-mail to HLaliberte@TRCsolutions.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Report Date:
3-Sep-13 10:23

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

#1
IAB

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: Conn DOT - Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB75253-01	IB-C3-Br1-0"	Brick	12-Aug-13 12:07	19-Aug-13 16:20
SB75253-02	IB-C3-Br2-0"	Brick	12-Aug-13 15:15	19-Aug-13 16:20
SB75253-03	IB-C3-Br3-0"	Brick	13-Aug-13 11:44	19-Aug-13 16:20
SB75253-04	IB-C3-Br4-0"	Brick	13-Aug-13 13:30	19-Aug-13 16:20
SB75253-05	IB-C3-Br5-0"	Brick	13-Aug-13 13:42	19-Aug-13 16:20
SB75253-06	IB-C3-Br6-0"	Brick	13-Aug-13 14:03	19-Aug-13 16:20
SB75253-07	IB-C1	Concrete	12-Aug-13 09:05	19-Aug-13 16:20
SB75253-08	IB-C2	Concrete	12-Aug-13 09:09	19-Aug-13 16:20
SB75253-09	IB-C3	Concrete	12-Aug-13 09:13	19-Aug-13 16:20
SB75253-10	IB-C4	Concrete	12-Aug-13 09:14	19-Aug-13 16:20
SB75253-11	IB-C5	Concrete	12-Aug-13 09:25	19-Aug-13 16:20
SB75253-12	IB-C6	Concrete	12-Aug-13 09:30	19-Aug-13 16:20
SB75253-13	IB-C7	Concrete	12-Aug-13 09:32	19-Aug-13 16:20
SB75253-14	IB-C8	Concrete	12-Aug-13 09:35	19-Aug-13 16:20
SB75253-15	IB-C9	Concrete	12-Aug-13 09:40	19-Aug-13 16:20
SB75253-16	IB-C10	Concrete	12-Aug-13 09:41	19-Aug-13 16:20
SB75253-17	IB-C11	Concrete	12-Aug-13 10:20	19-Aug-13 16:20
SB75253-18	IB-C12	Concrete	12-Aug-13 10:14	19-Aug-13 16:20
SB75253-19	IB-C13	Concrete	12-Aug-13 10:22	19-Aug-13 16:20
SB75253-20	IB-C14	Concrete	12-Aug-13 10:27	19-Aug-13 16:20
SB75253-21	IB-C15	Concrete	12-Aug-13 10:32	19-Aug-13 16:20
SB75253-22	IB-C16	Concrete	12-Aug-13 10:40	19-Aug-13 16:20
SB75253-23	IB-C17	Concrete	12-Aug-13 10:43	19-Aug-13 16:20
SB75253-24	IB-C18	Concrete	12-Aug-13 10:55	19-Aug-13 16:20
SB75253-25	IB-C19	Concrete	12-Aug-13 11:00	19-Aug-13 16:20
SB75253-26	IB-C20	Concrete	12-Aug-13 11:05	19-Aug-13 16:20
SB75253-27	IB-C21	Concrete	12-Aug-13 11:40	19-Aug-13 16:20
SB75253-28	IB-C22	Concrete	12-Aug-13 11:42	19-Aug-13 16:20
SB75253-29	IB-C23	Concrete	12-Aug-13 11:48	19-Aug-13 16:20
SB75253-30	IB-C24	Concrete	12-Aug-13 11:52	19-Aug-13 16:20
SB75253-31	IB-C25	Concrete	12-Aug-13 11:55	19-Aug-13 16:20
SB75253-32	IB-C26	Concrete	12-Aug-13 11:57	19-Aug-13 16:20
SB75253-33	IB-C27	Concrete	12-Aug-13 12:01	19-Aug-13 16:20
SB75253-34	IB-C28	Concrete	12-Aug-13 13:50	19-Aug-13 16:20
SB75253-35	IB-C29	Concrete	12-Aug-13 13:58	19-Aug-13 16:20
SB75253-36	IB-C30	Concrete	12-Aug-13 14:04	19-Aug-13 16:20
SB75253-37	IB-C31	Concrete	12-Aug-13 14:28	19-Aug-13 16:20

SB75253-38	IB-C32	Concrete	12-Aug-13 14:32	19-Aug-13 16:20
SB75253-39	IB-C33	Concrete	12-Aug-13 14:50	19-Aug-13 16:20
SB75253-40	IB-C34	Concrete	12-Aug-13 14:55	19-Aug-13 16:20
SB75253-41	IB-C35	Concrete	12-Aug-13 15:18	19-Aug-13 16:20
SB75253-42	IB-C36	Concrete	12-Aug-13 15:23	19-Aug-13 16:20
SB75253-43	IB-C37	Concrete	12-Aug-13 15:28	19-Aug-13 16:20
SB75253-44	IB-C38	Concrete	12-Aug-13 15:33	19-Aug-13 16:20
SB75253-45	IB-C39	Concrete	13-Aug-13 09:38	19-Aug-13 16:20
SB75253-46	IB-C40	Concrete	13-Aug-13 09:35	19-Aug-13 16:20
SB75253-47	IB-C41	Concrete	13-Aug-13 11:40	19-Aug-13 16:20
SB75253-48	IB-C42	Concrete	13-Aug-13 11:46	19-Aug-13 16:20
SB75253-49	IB-C43	Concrete	13-Aug-13 11:50	19-Aug-13 16:20
SB75253-50	IB-C44	Concrete	13-Aug-13 11:54	19-Aug-13 16:20
SB75253-51	IB-C45	Concrete	13-Aug-13 11:58	19-Aug-13 16:20
SB75253-52	IB-C46	Concrete	13-Aug-13 12:02	19-Aug-13 16:20
SB75253-53	IB-C47	Concrete	13-Aug-13 12:06	19-Aug-13 16:20
SB75253-54	IB-C48	Concrete	13-Aug-13 12:10	19-Aug-13 16:20
SB75253-55	IB-C49	Concrete	13-Aug-13 12:17	19-Aug-13 16:20
SB75253-56	IB-C50	Concrete	13-Aug-13 14:52	19-Aug-13 16:20
SB75253-57	IB-C51	Concrete	13-Aug-13 14:55	19-Aug-13 16:20
SB75253-58	IB-C52	Concrete	13-Aug-13 15:00	19-Aug-13 16:20
SB75253-59	IB-C53	Concrete	13-Aug-13 15:03	19-Aug-13 16:20
SB75253-60	IB-C54	Concrete	13-Aug-13 15:15	19-Aug-13 16:20
SB75253-61	IB-C55	Concrete	13-Aug-13 15:17	19-Aug-13 16:20
SB75253-62	IB-C56	Concrete	13-Aug-13 15:19	19-Aug-13 16:20
SB75253-63	IB-C57	Concrete	13-Aug-13 15:21	19-Aug-13 16:20
SB75253-64	IB-C58	Concrete	13-Aug-13 15:23	19-Aug-13 16:20
SB75253-65	IB-C59	Concrete	13-Aug-13 15:25	19-Aug-13 16:20
SB75253-66	IB-C60	Concrete	13-Aug-13 15:27	19-Aug-13 16:20
SB75253-67	IB-C61	Concrete	13-Aug-13 15:29	19-Aug-13 16:20
SB75253-68	IB-C62	Concrete	13-Aug-13 15:31	19-Aug-13 16:20
SB75253-69	IB-A1	Asphalt	13-Aug-13 12:04	19-Aug-13 16:20
SB75253-70	IB-A2	Asphalt	13-Aug-13 13:16	19-Aug-13 16:20
SB75253-71	IB-A3	Asphalt	12-Aug-13 13:15	19-Aug-13 16:20
SB75253-72	IB-A4	Asphalt	12-Aug-13 13:20	19-Aug-13 16:20
SB75253-73	IB-A5	Asphalt	12-Aug-13 13:24	19-Aug-13 16:20
SB75253-74	IB-A6	Asphalt	12-Aug-13 14:07	19-Aug-13 16:20
SB75253-75	IB-A7	Asphalt	12-Aug-13 14:10	19-Aug-13 16:20
SB75253-76	IB-A8	Asphalt	12-Aug-13 14:13	19-Aug-13 16:20
SB75253-77	IB-A9	Asphalt	12-Aug-13 14:18	19-Aug-13 16:20
SB75253-78	IB-A10	Asphalt	12-Aug-13 14:21	19-Aug-13 16:20
SB75253-79	IB-A11	Asphalt	12-Aug-13 14:24	19-Aug-13 16:20
SB75253-80	IB-A12	Asphalt	13-Aug-13 09:44	19-Aug-13 16:20
SB75253-81	IB-A13	Asphalt	13-Aug-13 09:46	19-Aug-13 16:20
SB75253-82	IB-A14	Asphalt	13-Aug-13 09:48	19-Aug-13 16:20
SB75253-83	IB-A15	Asphalt	13-Aug-13 09:50	19-Aug-13 16:20
SB75253-84	IB-A16	Asphalt	13-Aug-13 09:52	19-Aug-13 16:20
SB75253-85	IB-A17	Asphalt	13-Aug-13 09:54	19-Aug-13 16:20
SB75253-86	IB-A18	Asphalt	13-Aug-13 09:56	19-Aug-13 16:20
SB75253-87	IB-A19	Asphalt	13-Aug-13 09:58	19-Aug-13 16:20
SB75253-88	IB-A20	Asphalt	13-Aug-13 10:00	19-Aug-13 16:20
SB75253-89	IB-A21	Asphalt	13-Aug-13 10:02	19-Aug-13 16:20

SB75253-90	IB-C4B-Br1-0"	Brick	13-Aug-13 14:52	19-Aug-13 16:20
SB75253-91	IB-C4B-Br1-3"	Brick	13-Aug-13 14:48	19-Aug-13 16:20
SB75253-92	IB-C2-CM1-0"	Concrete	13-Aug-13 11:11	19-Aug-13 16:20
SB75253-93	IB-C2-CM1-3"	Concrete	13-Aug-13 11:09	19-Aug-13 16:20
SB75253-94	IB-C2-CM2-0"	Concrete	13-Aug-13 11:12	19-Aug-13 16:20
SB75253-95	IB-C2-CM2-3"	Concrete	13-Aug-13 11:10	19-Aug-13 16:20
SB75253-96	IB-C2-C01-0"	Concrete	12-Aug-13 10:52	19-Aug-13 16:20
SB75253-97	IB-C2-C01-3"	Concrete	12-Aug-13 10:48	19-Aug-13 16:20
SB75253-98	IB-C2-C02-0"	Concrete	12-Aug-13 11:28	19-Aug-13 16:20
SB75253-99	IB-C2-C02-3"	Concrete	12-Aug-13 11:24	19-Aug-13 16:20
SB75258-01	IB-C2-C03-0"	Concrete	12-Aug-13 13:47	19-Aug-13 16:20
SB75258-02	IB-C2-C03-3"	Concrete	12-Aug-13 13:43	19-Aug-13 16:20
SB75258-03	IB-C2-C04-0"	Concrete	12-Aug-13 15:12	19-Aug-13 16:20
SB75258-04	IB-C2-C04-3"	Concrete	12-Aug-13 15:08	19-Aug-13 16:20
SB75258-05	IB-C2-C05-0"	Concrete	13-Aug-13 09:26	19-Aug-13 16:20
SB75258-06	IB-C2-C05-3"	Concrete	13-Aug-13 09:19	19-Aug-13 16:20
SB75258-07	IB-C2-C06-0"	Concrete	13-Aug-13 10:09	19-Aug-13 16:20
SB75258-08	IB-C2-C06-3"	Concrete	13-Aug-13 10:04	19-Aug-13 16:20
SB75258-17	IB-C2-C05-6"	Concrete	13-Aug-13 09:12	19-Aug-13 16:20
SB75258-18	IB-C2-C05-12"	Concrete	13-Aug-13 09:07	19-Aug-13 16:20
SB75258-21	IB-C4B-Br1-6"	Brick	13-Aug-13 14:44	19-Aug-13 16:20
SB75258-22	IB-C4B-Br1-12"	Brick	13-Aug-13 14:40	19-Aug-13 16:20
SB75258-23	IB-C2-CM1-6"	Concrete	13-Aug-13 11:07	19-Aug-13 16:20
SB75258-24	IB-C2-CM1-12"	Concrete	13-Aug-13 11:05	19-Aug-13 16:20
SB75258-25	IB-C2-CM2-6"	Concrete	13-Aug-13 11:08	19-Aug-13 16:20
SB75258-26	IB-C2-CM2-12"	Concrete	13-Aug-13 11:06	19-Aug-13 16:20

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 138 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

11 Almgren Drive
Agawam, MA 01001
(413) 789-9018

This preceding chain of custody has been amended to include the client requested additional analyses as noted below:

Laboratory ID	*Client ID*	*Analysis*	*Added*
SB75258-17	IB-C2-C05-6"	Polychlorinated Biphenyls	8/26/2013
SB75258-17	IB-C2-C05-6"	Solids, Percent	8/26/2013
SB75258-18	IB-C2-C05-12"	Polychlorinated Biphenyls	8/26/2013
SB75258-18	IB-C2-C05-12"	Solids, Percent	8/26/2013
SB75258-21	IB-C4B-Br1-6"	Polychlorinated Biphenyls	8/26/2013
SB75258-21	IB-C4B-Br1-6"	Solids, Percent	8/26/2013
SB75258-22	IB-C4B-Br1-12"	Polychlorinated Biphenyls	8/26/2013
SB75258-22	IB-C4B-Br1-12"	Solids, Percent	8/26/2013
SB75258-23	IB-C2-CM1-6"	Polychlorinated Biphenyls	8/26/2013
SB75258-23	IB-C2-CM1-6"	Solids, Percent	8/26/2013
SB75258-24	IB-C2-CM1-12"	Polychlorinated Biphenyls	8/26/2013
SB75258-24	IB-C2-CM1-12"	Solids, Percent	8/26/2013
SB75258-25	IB-C2-CM2-6"	Polychlorinated Biphenyls	8/26/2013
SB75258-25	IB-C2-CM2-6"	Solids, Percent	8/26/2013
SB75258-26	IB-C2-CM2-12"	Polychlorinated Biphenyls	8/26/2013
SB75258-26	IB-C2-CM2-12"	Solids, Percent	8/26/2013

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.

Project Location: Conn DOT - Windsor Locks, CT

Project Name and Number: Conn DOT - Windsor Locks, CT / 183572.4445.0710

This form provides certification for the following data set: SB75253-01 through SB75258-26

Sample matrices:	**Analytical methods used:**
Asphalt	-
Brick	SM2540 G Mod.
Concrete	SW846 8082A

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes	☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes	☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes	☐ No
D	Were results for all analytc-list compounds/elements for the specified method(s) reported?	☐ Yes	☑ No *

* The compounds and/or elements reported are as 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.

Negative responses for A, B and C 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.

Nicole Leja

Nicole Leja
Laboratory Director
Date: 9/3/2013

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Conn DOT - Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
8/12/2013 through 8/13/2013

Laboratory Sample ID(s):
SB75253-01 through SB75258-26

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Nicole Leja

Nicole Leja
Laboratory Director
Date: 9/3/2013

CASE NARRATIVE:

The samples were received 1.3 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.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may he analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

SB75253-04 *IB-C3-Br4-0"*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB75253-06 *IB-C3-Br6-0"*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB75253-18 *IB-C12*

Difference between the two GC columns is greater than 40%.

Aroclor-1254

SB75253-21 *IB-C15*

Difference between the two GC columns is greater than 40%.

Aroclor-1254

SB75253-53 *IB-C47*

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB75253-79 *IB-A11*

SW846 8082A

Samples:

SB75253-79 *IB-A11*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB75253-92 *IB-C2-CM1-0"*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB75253-94 *IB-C2-CM2-0"*

Sample dilutiou required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB75258-05 *IB-C2-C05-0"*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sample Acceptance Check Form

Client:	TRC - Windsor, CT
Project:	Conn DOT - Windsor Locks, CT / 183572.4445.0710
Work Order:	SB75253
Sample(s) received on:	8/19/2013
Received by:	Tanya Krivolenko

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
1. Were custody seals present?	☐	☑	☐
2. Were custody seals intact?	☐	☐	☑
3. Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
4. Were samples cooled on ice upon transfer to laboratory representative?	☐	☑	☐
5. Were samples refrigerated upon transfer to laboratory representative?	☑	☐	☐
6. Were sample containers received intact?	☑	☐	☐
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
8. Were samples accompanied by a Chain of Custody document?	☑	☐	☐
9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☑	☐	☐
10. Did sample container labels agree with Chain of Custody document?	☑	☐	☐
11. Were samples received within method-specific holding times?	☑	☐	☐

Sample Acceptance Check Form

Client:	TRC - Windsor, CT
Project:	Conn DOT - Windsor Locks, CT / 183572.4445.0710
Work Order:	SB75258
Sample(s) received on:	8/19/2013
Received by:	Tanya Krivolenko

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
1. Were custody seals present?	☐	☑	☐
2. Were custody seals intact?	☐	☐	☑
3. Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
4. Were samples cooled on ice upon transfer to laboratory representative?	☐	☑	☐
5. Were samples refrigerated upon transfer to laboratory representative?	☑	☐	☐
6. Were sample containers received intact?	☑	☐	☐
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
8. Were samples accompanied by a Chain of Custody document?	☑	☐	☐
9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☑	☐	☐
10. Did sample container labels agree with Chain of Custody document?	☑	☐	☐
11. Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C3-Br1-0"	183572.4445.0710	Brick	12-Aug-13 12:07	19-Aug-13
S[illegible]53-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.7		µg/kg dry	65.7	49.1	1	SW846 8082A	19-Aug-13	21-Aug-13	IMR	1319935	X
11104-28-2	Aroclor-1221	< 65.7		µg/kg dry	65.7	59.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.7		µg/kg dry	65.7	42.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.7		µg/kg dry	65.7	39.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.7		µg/kg dry	65.7	34.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	177		µg/kg dry	65.7	54.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.7		µg/kg dry	65.7	40.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.7		µg/kg dry	65.7	61.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.7		µg/kg dry	65.7	27.1	1	"	"	"	"	"	X
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*			*30-200 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-200 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	100		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320005	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C3-Br2-0"	183572.4445.0710	Brick	12-Aug-13 15:15	19-Aug-13
SB75253-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.4		µg/kg dry	65.4	48.8	1	SW846 8082A	19-Aug-13	21-Aug-13	IMR	1319935	X
11104-28-2	Aroclor-1221	< 65.4		µg/kg dry	65.4	58.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.4		µg/kg dry	65.4	42.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.4		µg/kg dry	65.4	39.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.4		µg/kg dry	65.4	34.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	88.3		µg/kg dry	65.4	54.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.4		µg/kg dry	65.4	40.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.4		µg/kg dry	65.4	60.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.4		µg/kg dry	65.4	27.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-200 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-200 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	100		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320005	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C3-Br3-0" [redacted]53-03	183572.4445.0710	Brick	13-Aug-13 11:44	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.4		µg/kg dry	59.4	44.4	1	SW846 8082A	19-Aug-13	21-Aug-13	IMR	1319935	X
11104-28-2	Aroclor-1221	< 59.4		µg/kg dry	59.4	53.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.4		µg/kg dry	59.4	38.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.4		µg/kg dry	59.4	35.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.4		µg/kg dry	59.4	30.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 59.4		µg/kg dry	59.4	49.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.4		µg/kg dry	59.4	36.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.4		µg/kg dry	59.4	55.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.4		µg/kg dry	59.4	24.5	1	"	"	"	"	"	X
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)*	*35*			*30-200 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*35*			*30-200 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320005	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C3-Br4-0"	183572.4445.0710	Brick	13-Aug-13 13:30	19-Aug-13
SB75253-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 610	D	µg/kg dry	610	456	10	SW846 8082A	19-Aug-13	21-Aug-13	IMR	1319935	X
11104-28-2	Aroclor-1221	< 610	D	µg/kg dry	610	550	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 610	D	µg/kg dry	610	392	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 610	D	µg/kg dry	610	367	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 610	D	µg/kg dry	610	317	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	17,400	D	µg/kg dry	610	357	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 610	D	µg/kg dry	610	378	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 610	D	µg/kg dry	610	568	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 610	D	µg/kg dry	610	252	10	"	"	"	"	"	X
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)*	*50*			*30-200 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-200 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	100		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320005	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1B-C3-Br5-0"	183572.4445.0710	Brick	13-Aug-13 13:42	19-Aug-13
S[illegible]53-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.0		µg/kg dry	64.0	47.8	1	SW846 8082A	19-Aug-13	21-Aug-13	IMR	1319935	X
11104-28-2	Aroclor-1221	< 64.0		µg/kg dry	64.0	57.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.0		µg/kg dry	64.0	41.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.0		µg/kg dry	64.0	38.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.0		µg/kg dry	64.0	33.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	125		µg/kg dry	64.0	53.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.0		µg/kg dry	64.0	39.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.0		µg/kg dry	64.0	59.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.0		µg/kg dry	64.0	26.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*83*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-200 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*88*			*30-200 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320005	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C3-Br6-0" SB75253-06	183572.4445.0710	Brick	13-Aug-13 14:03	19-Aug-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 596	D	µg/kg dry	596	445	10	SW846 8082A	19-Aug-13	21-Aug-13	IMR	1319935	X
11104-28-2	Aroclor-1221	< 596	D	µg/kg dry	596	537	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 596	D	µg/kg dry	596	383	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 596	D	µg/kg dry	596	359	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 596	D	µg/kg dry	596	310	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	14,500	D	µg/kg dry	596	497	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 596	D	µg/kg dry	596	370	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 596	D	µg/kg dry	596	556	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 596	D	µg/kg dry	596	246	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-200 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-200 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320005	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C1 [redacted]53-07	183572.4445.0710	Concrete	12-Aug-13 09:05	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.7		µg/kg dry	61.7	46.1	1	SW846 8082A	19-Aug-13	21-Aug-13	IMR	1319935	X
11104-28-2	Aroclor-1221	< 61.7		µg/kg dry	61.7	55.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.7		µg/kg dry	61.7	39.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.7		µg/kg dry	61.7	37.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.7		µg/kg dry	61.7	32.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.7		µg/kg dry	61.7	51.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.7		µg/kg dry	61.7	38.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.7		µg/kg dry	61.7	57.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.7		µg/kg dry	61.7	25.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-200 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-200 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320005	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2	183572.4445.0710	Concrete	12-Aug-13 09:09	19-Aug-13
SB75253-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.0		µg/kg dry	66.0	49.3	1	SW846 8082A	19-Aug-13	21-Aug-13	IMR	1319935	X
11104-28-2	Aroclor-1221	< 66.0		µg/kg dry	66.0	59.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.0		µg/kg dry	66.0	42.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.0		µg/kg dry	66.0	39.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.0		µg/kg dry	66.0	34.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.0		µg/kg dry	66.0	55.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.0		µg/kg dry	66.0	40.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.0		µg/kg dry	66.0	61.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.0		µg/kg dry	66.0	27.2	1	"	"	"	"	"	X
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)*	*80*			*30-200 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-200 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.3		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320005	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C3 [redacted]53-09	183572.4445.0710	Concrete	12-Aug-13 09:13	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.4		µg/kg dry	64.4	48.1	1	SW846 8082A	19-Aug-13	21-Aug-13	IMR	1319935	X
11104-28-2	Aroclor-1221	< 64.4		µg/kg dry	64.4	58.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.4		µg/kg dry	64.4	41.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.4		µg/kg dry	64.4	38.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.4		µg/kg dry	64.4	33.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.4		µg/kg dry	64.4	53.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.4		µg/kg dry	64.4	39.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.4		µg/kg dry	64.4	59.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.4		µg/kg dry	64.4	26.5	1	"	"	"	"	"	X
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*			*30-200 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-200 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.1		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320005	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C4	183572.4445.0710	Concrete	12-Aug-13 09:14	19-Aug-13
SB75253-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.6		µg/kg dry	61.6	46.0	1	SW846 8082A	19-Aug-13	21-Aug-13	IMR	1319935	X
11104-28-2	Aroclor-1221	< 61.6		µg/kg dry	61.6	55.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.6		µg/kg dry	61.6	39.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.6		µg/kg dry	61.6	37.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.6		µg/kg dry	61.6	32.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.6		µg/kg dry	61.6	51.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.6		µg/kg dry	61.6	38.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.6		µg/kg dry	61.6	57.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.6		µg/kg dry	61.6	25.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-200 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-200 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.8		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320005	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C5 [redacted]53-11	183572.4445.0710	Concrete	12-Aug-13 09:25	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.1		µg/kg dry	65.1	48.6	1	SW846 8082A	19-Aug-13	21-Aug-13	IMR	1319935	X
11104-28-2	Aroclor-1221	< 65.1		µg/kg dry	65.1	58.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.1		µg/kg dry	65.1	41.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.1		µg/kg dry	65.1	39.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.1		µg/kg dry	65.1	33.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.1		µg/kg dry	65.1	54.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.1		µg/kg dry	65.1	40.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.1		µg/kg dry	65.1	60.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.1		µg/kg dry	65.1	26.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-200 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-200 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.5		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320005	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C6	183572.4445.0710	Concrete	12-Aug-13 09:30	19-Aug-13
SB75253-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.2		µg/kg dry	64.2	47.9	1	SW846 8082A	19-Aug-13	21-Aug-13	IMR	1319935	X
11104-28-2	Aroclor-1221	< 64.2		µg/kg dry	64.2	57.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.2		µg/kg dry	64.2	41.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.2		µg/kg dry	64.2	38.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.2		µg/kg dry	64.2	33.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.2		µg/kg dry	64.2	53.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.2		µg/kg dry	64.2	39.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 84.2		µg/kg dry	84.2	59.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.2		µg/kg dry	64.2	26.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-200 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-200 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320005	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C7	183572.4445.0710	Concrete	12-Aug-13 09:32	19-Aug-13
[illegible]253-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 67.6		µg/kg dry	67.6	50.5	1	SW846 8082A	19-Aug-13	21-Aug-13	IMR	1319935	X
11104-28-2	Aroclor-1221	< 67.6		µg/kg dry	67.6	60.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 67.6		µg/kg dry	67.6	43.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 67.6		µg/kg dry	67.6	40.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 67.6		µg/kg dry	67.6	35.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 67.6		µg/kg dry	67.6	56.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 67.6		µg/kg dry	67.6	41.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 67.6		µg/kg dry	67.6	62.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 67.6		µg/kg dry	67.6	27.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-200 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-200 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.4		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320005	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C8	183572.4445.0710	Concrete	12-Aug-13 09:35	19-Aug-13
SB75253-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.9		µg/kg dry	65.9	49.2	1	SW846 8082A	19-Aug-13	21-Aug-13	IMR	1319935	X
11104-28-2	Aroclor-1221	< 65.9		µg/kg dry	65.9	59.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.9		µg/kg dry	65.9	42.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.9		µg/kg dry	65.9	39.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.9		µg/kg dry	65.9	34.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	227		µg/kg dry	65.9	38.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	277		µg/kg dry	65.9	40.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.9		µg/kg dry	65.9	61.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.9		µg/kg dry	65.9	27.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*87*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*97*			*30-200 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*108*			*30-200 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320005	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C9 S[illegible]53-15	183572.4445.0710	Concrete	12-Aug-13 09:40	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 67.1		µg/kg dry	67.1	50.1	1	SW846 8082A	19-Aug-13	21-Aug-13	IMR	1319935	X
11104-28-2	Aroclor-1221	< 67.1		µg/kg dry	67.1	60.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 67.1		µg/kg dry	67.1	43.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 67.1		µg/kg dry	67.1	40.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 67.1		µg/kg dry	67.1	34.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 67.1		µg/kg dry	67.1	55.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 67.1		µg/kg dry	67.1	41.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 67.1		µg/kg dry	67.1	62.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 67.1		µg/kg dry	67.1	27.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-200 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-200 %*			"	"	"	"	"	
General Chemistry Parameters													
[illegible]	% Solids	99.2		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320006	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C10	183572.4445.0710	Concrete	12-Aug-13 09:41	19-Aug-13
SB75253-16				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.9		µg/kg dry	66.9	49.9	1	SW846 8082A	19-Aug-13	22-Aug-13	BLM	1319944	X
11104-28-2	Aroclor-1221	< 66.9		µg/kg dry	66.9	60.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.9		µg/kg dry	66.9	42.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.9		µg/kg dry	66.9	40.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.9		µg/kg dry	66.9	34.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.9		µg/kg dry	66.9	55.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.9		µg/kg dry	66.9	41.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.9		µg/kg dry	66.9	62.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.9		µg/kg dry	66.9	27.6	1	"	"	"	"	"	X
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)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320006	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C11 [redacted]253-17	183572.4445.0710	Concrete	12-Aug-13 10:20	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.4		µg/kg dry	65.4	48.8	1	SW846 8082A	19-Aug-13	22-Aug-13	BLM	1319944	X
11104-28-2	Aroclor-1221	< 65.4		µg/kg dry	65.4	58.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.4		µg/kg dry	65.4	42.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.4		µg/kg dry	65.4	39.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.4		µg/kg dry	65.4	34.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	68.7		µg/kg dry	65.4	38.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.4		µg/kg dry	65.4	40.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.4		µg/kg dry	65.4	60.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.4		µg/kg dry	65.4	27.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320006	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C12	183572.4445.0710	Concrete	12-Aug-13 10:14	19-Aug-13
SB75253-18				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.1		µg/kg dry	58.1	43.4	1	SW846 8082A	19-Aug-13	22-Aug-13	BLM	1319944	X
11104-28-2	Aroclor-1221	< 58.1		µg/kg dry	58.1	52.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.1		µg/kg dry	58.1	37.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.1		µg/kg dry	58.1	35.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.1		µg/kg dry	58.1	30.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	98.8	P	µg/kg dry	58.1	48.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.1		µg/kg dry	58.1	36.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.1		µg/kg dry	58.1	54.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.1		µg/kg dry	58.1	24.0	1	"	"	"	"	"	X
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)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320006	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C13	183572.4445.0710	Concrete	12-Aug-13 10:22	19-Aug-13
[redacted]253-19				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.1		µg/kg dry	64.1	47.9	1	SW846 8082A	19-Aug-13	22-Aug-13	BLM	1319944	X
11104-28-2	Aroclor-1221	< 64.1		µg/kg dry	64.1	57.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.1		µg/kg dry	64.1	41.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.1		µg/kg dry	64.1	38.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.1		µg/kg dry	64.1	33.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	< 64.1		µg/kg dry	64.1	37.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.1		µg/kg dry	64.1	39.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.1		µg/kg dry	64.1	59.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.1		µg/kg dry	64.1	26.4	1	"	"	"	"	"	X
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)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	98.8		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320006	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C14	183572.4445.0710	Concrete	12-Aug-13 10:27	19-Aug-13
SB75253-20				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.5		µg/kg dry	63.5	47.5	1	SW846 8082A	19-Aug-13	22-Aug-13	BLM	1319944	X
11104-28-2	Aroclor-1221	< 63.5		µg/kg dry	63.5	57.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.5		µg/kg dry	63.5	40.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.5		µg/kg dry	63.5	38.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.5		µg/kg dry	63.5	33.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.5		µg/kg dry	63.5	53.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.5		µg/kg dry	63.5	39.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.5		µg/kg dry	63.5	59.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.5		µg/kg dry	63.5	26.2	1	"	"	"	"	"	X
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)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*35*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320006	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C15 [redacted]53-21	183572.4445.0710	Concrete	12-Aug-13 10:32	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.3		µg/kg dry	66.3	49.5	1	SW846 8082A	19-Aug-13	22-Aug-13	BLM	1319944	X
11104-28-2	Aroclor-1221	< 66.3		µg/kg dry	66.3	59.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.3		µg/kg dry	66.3	42.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.3		µg/kg dry	66.3	39.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.3		µg/kg dry	66.3	34.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	66.3	P	µg/kg dry	66.3	55.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.3		µg/kg dry	66.3	41.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.3		µg/kg dry	66.3	61.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.3		µg/kg dry	66.3	27.4	1	"	"	"	"	"	X
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)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320006	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C16	183572.4445.0710	Concrete	12-Aug-13 10:40	19-Aug-13
SB75253-22				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.5		µg/kg dry	66.5	49.6	1	SW846 8082A	19-Aug-13	22-Aug-13	BLM	1319944	X
11104-28-2	Aroclor-1221	< 66.5		µg/kg dry	66.5	59.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.5		µg/kg dry	66.5	42.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.5		µg/kg dry	66.5	40.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.5		µg/kg dry	66.5	34.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.5		µg/kg dry	66.5	55.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.5		µg/kg dry	66.5	41.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.5		µg/kg dry	66.5	61.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.5		µg/kg dry	66.5	27.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320006	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C17 [redacted]53-23	183572.4445.0710	Concrete	12-Aug-13 10:43	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.1		µg/kg dry	66.1	49.4	1	SW846 8082A	19-Aug-13	22-Aug-13	BLM	1319944	X
11104-28-2	Aroclor-1221	< 66.1		µg/kg dry	66.1	59.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.1		µg/kg dry	66.1	42.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.1		µg/kg dry	66.1	39.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.1		µg/kg dry	66.1	34.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.1		µg/kg dry	66.1	55.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.1		µg/kg dry	66.1	41.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.1		µg/kg dry	66.1	61.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.1		µg/kg dry	66.1	27.3	1	"	"	"	"	"	X
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)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320006	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C18	183572.4445.0710	Concrete	12-Aug-13 10:55	19-Aug-13
SB75253-24				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.3		µg/kg dry	66.3	49.5	1	SW846 8082A	19-Aug-13	22-Aug-13	BLM	1319944	X
11104-28-2	Aroclor-1221	< 66.3		µg/kg dry	66.3	59.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.3		µg/kg dry	66.3	42.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.3		µg/kg dry	66.3	39.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.3		µg/kg dry	66.3	34.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.3		µg/kg dry	66.3	55.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.3		µg/kg dry	66.3	41.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.3		µg/kg dry	66.3	61.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.3		µg/kg dry	66.3	27.3	1	"	"	"	"	"	X
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)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320006	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C19	183572.4445.0710	Concrete	12-Aug-13 11:00	19-Aug-13
S[illegible]53-25				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.0		µg/kg dry	65.0	48.5	1	SW846 8082A	19-Aug-13	22-Aug-13	BLM	1319944	X
11104-28-2	Aroclor-1221	< 65.0		µg/kg dry	65.0	58.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.0		µg/kg dry	65.0	41.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.0		µg/kg dry	65.0	39.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.0		µg/kg dry	65.0	33.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.0		µg/kg dry	65.0	54.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.0		µg/kg dry	65.0	40.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.0		µg/kg dry	65.0	60.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.0		µg/kg dry	65.0	26.8	1	"	"	"	"	"	X
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)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320006	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C20	183572.4445.0710	Concrete	12-Aug-13 11:05	19-Aug-13
SB75253-26				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.9		µg/kg dry	66.9	50.0	1	SW846 8082A	19-Aug-13	22-Aug-13	BLM	1319944	X
11104-28-2	Aroclor-1221	< 66.9		µg/kg dry	66.9	60.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.9		µg/kg dry	66.9	42.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.9		µg/kg dry	66.9	40.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.9		µg/kg dry	66.9	34.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.9		µg/kg dry	66.9	55.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.9		µg/kg dry	66.9	41.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.9		µg/kg dry	66.9	62.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.9		µg/kg dry	66.9	27.6	1	"	"	"	"	"	X
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)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320006	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C21 [redacted]53-27	183572.4445.0710	Concrete	12-Aug-13 11:40	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.2		µg/kg dry	66.2	49.4	1	SW846 8082A	19-Aug-13	22-Aug-13	BLM	1319944	X
11104-28-2	Aroclor-1221	< 66.2		µg/kg dry	66.2	59.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.2		µg/kg dry	66.2	42.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.2		µg/kg dry	66.2	39.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.2		µg/kg dry	66.2	34.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.2		µg/kg dry	66.2	55.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.2		µg/kg dry	66.2	41.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.2		µg/kg dry	66.2	61.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.2		µg/kg dry	66.2	27.3	1	"	"	"	"	"	X
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)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	100		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320006	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C22 SB75253-28	183572.4445.0710	Concrete	12-Aug-13 11:42	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.4		µg/kg dry	63.4	47.4	1	SW846 8082A	19-Aug-13	22-Aug-13	BLM	1319944	X
11104-28-2	Aroclor-1221	< 63.4		µg/kg dry	63.4	57.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.4		µg/kg dry	63.4	40.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.4		µg/kg dry	63.4	38.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.4		µg/kg dry	63.4	33.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.4		µg/kg dry	63.4	52.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.4		µg/kg dry	63.4	39.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.4		µg/kg dry	63.4	59.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.4		µg/kg dry	63.4	26.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320006	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C23	183572.4445.0710	Concrete	12-Aug-13 11:48	19-Aug-13
SB75253-29				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.5		µg/kg dry	65.5	48.9	1	SW846 8082A	19-Aug-13	22-Aug-13	BLM	1319944	X
11104-28-2	Aroclor-1221	< 65.5		µg/kg dry	65.5	59.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.5		µg/kg dry	65.5	42.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.5		µg/kg dry	65.5	39.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.5		µg/kg dry	65.5	34.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.5		µg/kg dry	65.5	54.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.5		µg/kg dry	65.5	40.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.5		µg/kg dry	65.5	61.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.5		µg/kg dry	65.5	27.0	1	"	"	"	"	"	X
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)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320006	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C24	183572.4445.0710	Concrete	12-Aug-13 11:52	19-Aug-13
SB75253-30				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.4		µg/kg dry	60.4	45.1	1	SW846 8082A	19-Aug-13	22-Aug-13	BLM	1319944	X
11104-28-2	Aroclor-1221	< 60.4		µg/kg dry	60.4	54.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.4		µg/kg dry	60.4	38.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.4		µg/kg dry	60.4	36.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.4		µg/kg dry	60.4	31.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.4		µg/kg dry	60.4	50.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.4		µg/kg dry	60.4	37.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.4		µg/kg dry	60.4	56.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.4		µg/kg dry	60.4	24.9	1	"	"	"	"	"	X
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)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320006	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C25 [redacted]53-31	183572.4445.0710	Concrete	12-Aug-13 11:55	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.0		µg/kg dry	62.0	46.3	1	SW846 8082A	19-Aug-13	22-Aug-13	BLM	1319944	X
11104-28-2	Aroclor-1221	< 62.0		µg/kg dry	62.0	55.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.0		µg/kg dry	62.0	39.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.0		µg/kg dry	62.0	37.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.0		µg/kg dry	62.0	32.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.0		µg/kg dry	62.0	51.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.0		µg/kg dry	62.0	38.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.0		µg/kg dry	62.0	57.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.0		µg/kg dry	62.0	25.6	1	"	"	"	"	"	X
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)*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*35*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.3		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320006	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C26	183572.4445.0710	Concrete	12-Aug-13 11:57	19-Aug-13
SB75253-32				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.5		µg/kg dry	64.5	48.1	1	SW846 8082A	19-Aug-13	22-Aug-13	BLM	1319944	X
11104-28-2	Aroclor-1221	< 64.5		µg/kg dry	64.5	58.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.5		µg/kg dry	64.5	41.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.5		µg/kg dry	64.5	38.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.5		µg/kg dry	64.5	33.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.5		µg/kg dry	64.5	53.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.5		µg/kg dry	64.5	40.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.5		µg/kg dry	64.5	60.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.5		µg/kg dry	64.5	26.6	1	"	"	"	"	"	X
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)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320006	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C27	183572.4445.0710	Concrete	12-Aug-13 12:01	19-Aug-13
SB75253-33				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.0		µg/kg dry	59.0	44.1	1	SW846 8082A	19-Aug-13	22-Aug-13	BLM	1319944	X
11104-28-2	Aroclor-1221	< 59.0		µg/kg dry	59.0	53.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.0		µg/kg dry	59.0	37.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.0		µg/kg dry	59.0	35.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.0		µg/kg dry	59.0	30.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	91.4		µg/kg dry	59.0	34.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.0		µg/kg dry	59.0	36.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.0		µg/kg dry	59.0	54.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.0		µg/kg dry	59.0	24.3	1	"	"	"	"	"	X
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)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320006	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1B-C28	183572.4445.0710	Concrete	12-Aug-13 13:50	19-Aug-13
SB75253-34				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.5		µg/kg dry	66.5	49.7	1	SW846 8082A	19-Aug-13	22-Aug-13	BLM	1319944	X
11104-28-2	Aroclor-1221	< 66.5		µg/kg dry	66.5	59.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.5		µg/kg dry	66.5	42.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.5		µg/kg dry	66.5	40.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.5		µg/kg dry	66.5	34.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.5		µg/kg dry	66.5	55.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.5		µg/kg dry	66.5	41.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.5		µg/kg dry	66.5	62.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.5		µg/kg dry	66.5	27.4	1	"	"	"	"	"	X
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)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.0		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320006	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C29 S[redacted]63-35	183572.4445.0710	Concrete	12-Aug-13 13:58	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.1		µg/kg dry	60.1	44.9	1	SW846 8082A	19-Aug-13	22-Aug-13	BLM	1319944	X
11104-28-2	Aroclor-1221	< 60.1		µg/kg dry	60.1	54.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.1		µg/kg dry	60.1	38.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.1		µg/kg dry	60.1	36.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.1		µg/kg dry	60.1	31.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.1		µg/kg dry	60.1	50.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.1		µg/kg dry	60.1	37.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.1		µg/kg dry	60.1	56.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.1		µg/kg dry	60.1	24.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.8		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C30	183572.4445.0710	Concrete	12-Aug-13 14:04	19-Aug-13
SB75253-36				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.9		µg/kg dry	64.9	48.5	1	SW846 8082A	20-Aug-13	22-Aug-13	BLM	1319949	X
11104-28-2	Aroclor-1221	< 64.9		µg/kg dry	64.9	58.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.9		µg/kg dry	64.9	41.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.9		µg/kg dry	64.9	39.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.9		µg/kg dry	64.9	33.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.9		µg/kg dry	64.9	54.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.9		µg/kg dry	64.9	40.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.9		µg/kg dry	64.9	60.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.9		µg/kg dry	64.9	26.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C31 [redacted]53-37	183572.4445.0710	Concrete	12-Aug-13 14:28	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.0		µg/kg dry	62.0	46.3	1	SW846 8082A	20-Aug-13	22-Aug-13	BLM	1319949	X
11104-28-2	Aroclor-1221	< 62.0		µg/kg dry	62.0	55.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.0		µg/kg dry	62.0	39.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.0		µg/kg dry	62.0	37.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.0		µg/kg dry	62.0	32.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.0		µg/kg dry	62.0	51.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.0		µg/kg dry	62.0	38.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.0		µg/kg dry	62.0	57.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.0		µg/kg dry	62.0	25.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	98.4		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C32	183572.4445.0710	Concrete	12-Aug-13 14:32	19-Aug-13
SB75253-38				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.3		µg/kg dry	65.3	48.8	1	SW846 8082A	20-Aug-13	22-Aug-13	BLM	1319949	X
11104-28-2	Aroclor-1221	< 65.3		µg/kg dry	65.3	58.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.3		µg/kg dry	65.3	41.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.3		µg/kg dry	65.3	39.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.3		µg/kg dry	65.3	34.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.3		µg/kg dry	65.3	54.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.3		µg/kg dry	65.3	40.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.3		µg/kg dry	65.3	60.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.3		µg/kg dry	65.3	27.0	1	"	"	"	"	"	X
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)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C33 [redacted]53-39	183572.4445.0710	Concrete	12-Aug-13 14:50	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.5		µg/kg dry	65.5	48.9	1	SW846 8082A	20-Aug-13	22-Aug-13	BLM	1319949	X
11104-28-2	Aroclor-1221	< 65.5		µg/kg dry	65.5	59.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.5		µg/kg dry	65.5	42.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.5		µg/kg dry	65.5	39.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.5		µg/kg dry	65.5	34.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.5		µg/kg dry	65.5	54.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.5		µg/kg dry	65.5	40.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.5		µg/kg dry	65.5	61.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.5		µg/kg dry	65.5	27.0	1	"	"	"	"	"	X
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)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1B-C34	183572.4445.0710	Concrete	12-Aug-13 14:55	19-Aug-13
SB75253-40				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.3		µg/kg dry	66.3	49.6	1	SW846 8082A	20-Aug-13	22-Aug-13	BLM	1319949	X
11104-28-2	Aroclor-1221	< 66.3		µg/kg dry	66.3	59.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.3		µg/kg dry	66.3	42.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.3		µg/kg dry	66.3	39.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.3		µg/kg dry	66.3	34.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.3		µg/kg dry	66.3	55.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.3		µg/kg dry	66.3	41.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.3		µg/kg dry	66.3	61.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.3		µg/kg dry	66.3	27.4	1	"	"	"	"	"	X
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)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.0		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C35 [redacted]53-41	183572.4445.0710	Concrete	12-Aug-13 15:18	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.1		µg/kg dry	62.1	46.4	1	SW846 8082A	20-Aug-13	22-Aug-13	BLM	1319949	X
11104-28-2	Aroclor-1221	< 62.1		µg/kg dry	62.1	55.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.1		µg/kg dry	62.1	39.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.1		µg/kg dry	62.1	37.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.1		µg/kg dry	62.1	32.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.1		µg/kg dry	62.1	51.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.1		µg/kg dry	62.1	38.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.1		µg/kg dry	62.1	57.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.1		µg/kg dry	62.1	25.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.5		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C36	183572.4445.0710	Concrete	12-Aug-13 15:23	19-Aug-13
SB75253-42				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.9		µg/kg dry	61.9	46.2	1	SW846 8082A	20-Aug-13	22-Aug-13	BLM	1319949	X
11104-28-2	Aroclor-1221	< 61.9		µg/kg dry	61.9	55.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.9		µg/kg dry	61.9	39.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.9		µg/kg dry	61.9	37.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.9		µg/kg dry	61.9	32.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.9		µg/kg dry	61.9	51.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.9		µg/kg dry	61.9	38.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.9		µg/kg dry	61.9	57.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.9		µg/kg dry	61.9	25.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C37	183572.4445.0710	Concrete	12-Aug-13 15:28	19-Aug-13
S[illegible]253-43				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.9		µg/kg dry	59.9	44.7	1	SW846 8082A	20-Aug-13	22-Aug-13	BLM	1319949	X
11104-28-2	Aroclor-1221	< 59.9		µg/kg dry	59.9	53.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.9		µg/kg dry	59.9	38.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.9		µg/kg dry	59.9	36.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.9		µg/kg dry	59.9	31.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 59.9		µg/kg dry	59.9	49.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.9		µg/kg dry	59.9	37.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.9		µg/kg dry	59.9	55.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.9		µg/kg dry	59.9	24.7	1	"	"	"	"	"	X
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)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C38	183572.4445.0710	Concrete	12-Aug-13 15:33	19-Aug-13
SB75253-44				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.2		µg/kg dry	61.2	45.7	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1319949	X
11104-28-2	Aroclor-1221	< 61.2		µg/kg dry	61.2	55.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.2		µg/kg dry	61.2	39.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.2		µg/kg dry	61.2	36.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.2		µg/kg dry	61.2	31.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.2		µg/kg dry	61.2	51.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.2		µg/kg dry	61.2	38.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.2		µg/kg dry	61.2	57.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.2		µg/kg dry	61.2	25.3	1	"	"	"	"	"	X
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)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.4		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C39 [redacted]53-45	183572.4445.0710	Concrete	13-Aug-13 09:38	19-Aug-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.8		µg/kg dry	60.8	45.4	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1319949	X
11104-28-2	Aroclor-1221	< 60.8		µg/kg dry	60.8	54.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.8		µg/kg dry	60.8	39.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.8		µg/kg dry	60.8	36.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.8		µg/kg dry	60.8	31.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.8		µg/kg dry	60.8	50.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.8		µg/kg dry	60.8	37.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.8		µg/kg dry	60.8	56.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.8		µg/kg dry	60.8	25.1	1	"	"	"	"	"	X
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)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C40	183572.4445.0710	Concrete	13-Aug-13 09:35	19-Aug-13
SB75253-46				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.9		µg/kg dry	64.9	48.5	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1319949	X
11104-28-2	Aroclor-1221	< 64.9		µg/kg dry	64.9	58.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.9		µg/kg dry	64.9	41.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.9		µg/kg dry	64.9	39.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.9		µg/kg dry	64.9	33.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.9		µg/kg dry	64.9	54.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.9		µg/kg dry	64.9	40.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.9		µg/kg dry	64.9	60.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.9		µg/kg dry	64.9	26.8	1	"	"	"	"	"	X
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)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1B-C41 SB75253-47	183572.4445.0710	Concrete	13-Aug-13 11:40	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.3		µg/kg dry	64.3	48.0	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1319949	X
11104-28-2	Aroclor-1221	< 64.3		µg/kg dry	64.3	57.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.3		µg/kg dry	64.3	41.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.3		µg/kg dry	64.3	38.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.3		µg/kg dry	64.3	33.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.3		µg/kg dry	64.3	53.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.3		µg/kg dry	64.3	39.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.3		µg/kg dry	64.3	59.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.3		µg/kg dry	64.3	26.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.1		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320007	

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* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1B-C42	183572.4445.0710	Concrete	13-Aug-13 11:46	19-Aug-13
SB75253-48				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.3		µg/kg dry	62.3	46.6	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1319949	X
11104-28-2	Aroclor-1221	< 62.3		µg/kg dry	62.3	56.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.3		µg/kg dry	62.3	40.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.3		µg/kg dry	62.3	37.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.3		µg/kg dry	62.3	32.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.3		µg/kg dry	62.3	52.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.3		µg/kg dry	62.3	38.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.3		µg/kg dry	62.3	58.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.3		µg/kg dry	62.3	25.7	1	"	"	"	"	"	X
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)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1B-C43 [redacted]253-49	183572.4445.0710	Concrete	13-Aug-13 11:50	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.4		µg/kg dry	60.4	45.1	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1319949	X
11104-28-2	Aroclor-1221	< 60.4		µg/kg dry	60.4	54.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.4		µg/kg dry	60.4	38.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.4		µg/kg dry	60.4	36.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.4		µg/kg dry	60.4	31.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.4		µg/kg dry	60.4	50.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.4		µg/kg dry	60.4	37.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.4		µg/kg dry	60.4	56.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.4		µg/kg dry	60.4	24.9	1	"	"	"	"	"	X
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)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.0		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C44				
SB75253-50	183572.4445.0710	Concrete	13-Aug-13 11:54	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.5		µg/kg dry	61.5	46.0	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1319949	X
11104-28-2	Aroclor-1221	< 61.5		µg/kg dry	61.5	55.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.5		µg/kg dry	61.5	39.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.5		µg/kg dry	61.5	37.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.5		µg/kg dry	61.5	32.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.5		µg/kg dry	61.5	51.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.5		µg/kg dry	61.5	38.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.5		µg/kg dry	61.5	57.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.5		µg/kg dry	61.5	25.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C45 S[illegible]53-51	183572.4445.0710	Concrete	13-Aug-13 11:58	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.2		µg/kg dry	63.2	47.2	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1319949	X
11104-28-2	Aroclor-1221	< 63.2		µg/kg dry	63.2	56.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.2		µg/kg dry	63.2	40.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.2		µg/kg dry	63.2	38.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.2		µg/kg dry	63.2	32.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.2		µg/kg dry	63.2	52.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.2		µg/kg dry	63.2	39.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.2		µg/kg dry	63.2	58.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.2		µg/kg dry	63.2	26.1	1	"	"	"	"	"	X
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)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C46	183572.4445.0710	Concrete	13-Aug-13 12:02	19-Aug-13
SB75253-52				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.8		µg/kg dry	65.8	49.2	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1319949	X
11104-28-2	Aroclor-1221	< 65.8		µg/kg dry	65.8	59.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.8		µg/kg dry	65.8	42.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.8		µg/kg dry	65.8	39.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.8		µg/kg dry	65.8	34.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	168		µg/kg dry	65.8	38.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.8		µg/kg dry	65.8	40.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.8		µg/kg dry	65.8	61.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.8		µg/kg dry	65.8	27.2	1	"	"	"	"	"	X
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)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C47 S[illegible]53-53	183572.4445.0710	Concrete	13-Aug-13 12:06	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.4		µg/kg dry	65.4	46.8	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1319949	X
11104-28-2	Aroclor-1221	< 65.4		µg/kg dry	65.4	58.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.4		µg/kg dry	65.4	42.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.4		µg/kg dry	65.4	39.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.4		µg/kg dry	65.4	34.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	137		µg/kg dry	65.4	38.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.4		µg/kg dry	65.4	40.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.4		µg/kg dry	65.4	60.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.4		µg/kg dry	65.4	27.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*30*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*25*	SGC		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*40*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*30*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.2		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C48	183572.4445.0710	Concrete	13-Aug-13 12:10	19-Aug-13
SB75253-54				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.3		µg/kg dry	64.3	48.0	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1319949	X
11104-28-2	Aroclor-1221	< 64.3		µg/kg dry	64.3	57.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.3		µg/kg dry	64.3	41.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.3		µg/kg dry	64.3	38.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.3		µg/kg dry	64.3	33.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.3		µg/kg dry	64.3	53.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.3		µg/kg dry	64.3	39.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.3		µg/kg dry	64.3	59.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.3		µg/kg dry	64.3	26.5	1	"	"	"	"	"	X
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)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.8		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C49	183572.4445.0710	Concrete	13-Aug-13 12:17	19-Aug-13
S[illegible]53-55				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.0		µg/kg dry	64.0	47.8	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1319949	X
11104-28-2	Aroclor-1221	< 64.0		µg/kg dry	64.0	57.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.0		µg/kg dry	64.0	41.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.0		µg/kg dry	64.0	38.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.0		µg/kg dry	64.0	33.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.0		µg/kg dry	64.0	53.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.0		µg/kg dry	64.0	39.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.0		µg/kg dry	64.0	59.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.0		µg/kg dry	64.0	26.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.4		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320008	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C50	183572.4445.0710	Concrete	13-Aug-13 14:52	19-Aug-13
SB75253-56				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 56.6		µg/kg dry	56.6	42.3	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1320018	X
11104-28-2	Aroclor-1221	< 56.6		µg/kg dry	56.6	51.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.6		µg/kg dry	56.6	36.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.6		µg/kg dry	56.6	34.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.6		µg/kg dry	56.6	29.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	249		µg/kg dry	56.6	33.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 56.6		µg/kg dry	56.6	35.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.6		µg/kg dry	56.6	52.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.6		µg/kg dry	56.6	23.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.7		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320008	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C51 [redacted]253-57	183572.4445.0710	Concrete	13-Aug-13 14:55	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.3		µg/kg dry	66.3	49.6	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1320018	X
11104-28-2	Aroclor-1221	< 66.3		µg/kg dry	66.3	59.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.3		µg/kg dry	66.3	42.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.3		µg/kg dry	66.3	39.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.3		µg/kg dry	66.3	34.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	1,600		µg/kg dry	66.3	38.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	192		µg/kg dry	66.3	41.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.3		µg/kg dry	66.3	61.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.3		µg/kg dry	66.3	27.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.1		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320008	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C52	183572.4445.0710	Concrete	13-Aug-13 15:00	19-Aug-13
SB75253-58				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 56.6		µg/kg dry	56.6	42.3	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1320018	X
11104-28-2	Aroclor-1221	< 56.6		µg/kg dry	56.6	51.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.6		µg/kg dry	56.6	36.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.6		µg/kg dry	56.6	34.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.6		µg/kg dry	56.6	29.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	569		µg/kg dry	56.6	33.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 56.6		µg/kg dry	56.6	35.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.6		µg/kg dry	56.6	52.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.6		µg/kg dry	56.6	23.4	1	"	"	"	"	"	X
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)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320008	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C53 [illegible]253-59	183572.4445.0710	Concrete	13-Aug-13 15:03	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 52.5		µg/kg dry	52.5	39.2	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1320018	X
11104-28-2	Aroclor-1221	< 52.5		µg/kg dry	52.5	47.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 52.5		µg/kg dry	52.5	33.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 52.5		µg/kg dry	52.5	31.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 52.5		µg/kg dry	52.5	27.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 52.5		µg/kg dry	52.5	43.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 52.5		µg/kg dry	52.5	32.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 52.5		µg/kg dry	52.5	48.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 52.5		µg/kg dry	52.5	21.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.4		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320008	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C54	183572.4445.0710	Concrete	13-Aug-13 15:15	19-Aug-13
SB75253-60				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.6		µg/kg dry	59.6	44.5	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1320018	X
11104-28-2	Aroclor-1221	< 59.6		µg/kg dry	59.6	53.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.6		µg/kg dry	59.6	38.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.6		µg/kg dry	59.6	35.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.6		µg/kg dry	59.6	31.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 59.6		µg/kg dry	59.6	49.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.6		µg/kg dry	59.6	36.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.6		µg/kg dry	59.6	55.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.6		µg/kg dry	59.6	24.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320008	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C55 [redacted]53-61	183572.4445.0710	Concrete	13-Aug-13 15:17	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.8		µg/kg dry	60.8	45.4	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1320018	X
11104-28-2	Aroclor-1221	< 60.8		µg/kg dry	60.8	54.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.8		µg/kg dry	60.8	39.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.8		µg/kg dry	60.8	36.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.8		µg/kg dry	60.8	31.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.8		µg/kg dry	60.8	50.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.8		µg/kg dry	60.8	37.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.8		µg/kg dry	60.8	56.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.8		µg/kg dry	60.8	25.1	1	"	"	"	"	"	X
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)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	98.7		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320008	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C56	183572.4445.0710	Concrete	13-Aug-13 15:19	19-Aug-13
SB75253-62				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.4		µg/kg dry	57.4	42.9	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1320018	X
11104-28-2	Aroclor-1221	< 57.4		µg/kg dry	57.4	51.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.4		µg/kg dry	57.4	36.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.4		µg/kg dry	57.4	34.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.4		µg/kg dry	57.4	29.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 57.4		µg/kg dry	57.4	47.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.4		µg/kg dry	57.4	35.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.4		µg/kg dry	57.4	53.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.4		µg/kg dry	57.4	23.7	1	"	"	"	"	"	X
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	98.9		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320008	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C57 [redacted]253-63	183572.4445.0710	Concrete	13-Aug-13 15:21	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.8		µg/kg dry	66.8	49.9	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1320018	X
11104-28-2	Aroclor-1221	< 66.8		µg/kg dry	66.8	60.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.8		µg/kg dry	66.8	42.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.8		µg/kg dry	66.8	40.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.8		µg/kg dry	66.8	34.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.8		µg/kg dry	66.8	55.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.8		µg/kg dry	66.8	41.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.8		µg/kg dry	66.8	62.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.8		µg/kg dry	66.8	27.5	1	"	"	"	"	"	X
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)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320008	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C58	183572.4445.0710	Concrete	13-Aug-13 15:23	19-Aug-13
SB75253-64				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 54.4		µg/kg dry	54.4	40.6	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1320018	X
11104-28-2	Aroclor-1221	< 54.4		µg/kg dry	54.4	49.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 54.4		µg/kg dry	54.4	34.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.4		µg/kg dry	54.4	32.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 54.4		µg/kg dry	54.4	28.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 54.4		µg/kg dry	54.4	45.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 54.4		µg/kg dry	54.4	33.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 54.4		µg/kg dry	54.4	50.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54.4		µg/kg dry	54.4	22.4	1	"	"	"	"	"	X
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)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320008	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C59 S[illegible]53-65	183572.4445.0710	Concrete	13-Aug-13 15:25	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 55.0		µg/kg dry	55.0	41.1	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1320018	X
11104-28-2	Aroclor-1221	< 55.0		µg/kg dry	55.0	49.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.0		µg/kg dry	55.0	35.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.0		µg/kg dry	55.0	33.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.0		µg/kg dry	55.0	28.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 55.0		µg/kg dry	55.0	45.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 55.0		µg/kg dry	55.0	34.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 55.0		µg/kg dry	55.0	51.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 55.0		µg/kg dry	55.0	22.7	1	"	"	"	"	"	X
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)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320008	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C60	183572.4445.0710	Concrete	13-Aug-13 15:27	19-Aug-13
SB75253-66				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 52.9		µg/kg dry	52.9	39.5	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1320018	X
11104-28-2	Aroclor-1221	< 52.9		µg/kg dry	52.9	47.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 52.9		µg/kg dry	52.9	33.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 52.9		µg/kg dry	52.9	31.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 52.9		µg/kg dry	52.9	27.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 52.9		µg/kg dry	52.9	44.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 52.9		µg/kg dry	52.9	32.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 52.9		µg/kg dry	52.9	49.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 52.9		µg/kg dry	52.9	21.8	1	"	"	"	"	"	X
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)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320008	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C61 [redacted]253-67	183572.4445.0710	Concrete	13-Aug-13 15:29	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.6		µg/kg dry	65.6	49.0	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1320018	X
11104-28-2	Aroclor-1221	< 65.6		µg/kg dry	65.6	59.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.6		µg/kg dry	65.6	42.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.6		µg/kg dry	65.6	39.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.6		µg/kg dry	65.6	34.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.6		µg/kg dry	65.6	54.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.6		µg/kg dry	65.6	40.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.6		µg/kg dry	65.6	61.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.6		µg/kg dry	65.6	27.1	1	"	"	"	"	"	X
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)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320008	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C62	183572.4445.0710	Concrete	13-Aug-13 15:31	19-Aug-13
SB75253-68				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.9		µg/kg dry	64.9	48.5	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1320018	X
11104-28-2	Aroclor-1221	< 64.9		µg/kg dry	64.9	58.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.9		µg/kg dry	64.9	41.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.9		µg/kg dry	64.9	39.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.9		µg/kg dry	64.9	33.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.9		µg/kg dry	64.9	54.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.9		µg/kg dry	64.9	40.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.9		µg/kg dry	64.9	60.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.9		µg/kg dry	64.9	26.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320008	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-A1 [redacted]53-69	183572.4445.0710	Asphalt	13-Aug-13 12:04	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.4		µg/kg dry	60.4	45.1	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1320018	X
11104-28-2	Aroclor-1221	< 60.4		µg/kg dry	60.4	54.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.4		µg/kg dry	60.4	38.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.4		µg/kg dry	60.4	36.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.4		µg/kg dry	60.4	31.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	196		µg/kg dry	60.4	35.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.4		µg/kg dry	60.4	37.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.4		µg/kg dry	60.4	56.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.4		µg/kg dry	60.4	24.9	1	"	"	"	"	"	X
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]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.8		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320008	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-A2	183572.4445.0710	Asphalt	13-Aug-13 13:16	19-Aug-13
SB75253-70				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 53.3		µg/kg dry	53.3	39.8	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1320018	X
11104-28-2	Aroclor-1221	< 53.3		µg/kg dry	53.3	48.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 53.3		µg/kg dry	53.3	34.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 53.3		µg/kg dry	53.3	32.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 53.3		µg/kg dry	53.3	27.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	152		µg/kg dry	53.3	31.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 53.3		µg/kg dry	53.3	33.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 53.3		µg/kg dry	53.3	49.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 53.3		µg/kg dry	53.3	22.0	1	"	"	"	"	"	X
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 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320008	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-A3 [redacted]253-71	183572.4445.0710	Asphalt	12-Aug-13 13:15	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 53.0		µg/kg dry	53.0	39.6	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1320018	X
11104-28-2	Aroclor-1221	< 53.0		µg/kg dry	53.0	47.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 53.0		µg/kg dry	53.0	34.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 53.0		µg/kg dry	53.0	31.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 53.0		µg/kg dry	53.0	27.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	148		µg/kg dry	53.0	31.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 53.0		µg/kg dry	53.0	32.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 53.0		µg/kg dry	53.0	49.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 53.0		µg/kg dry	53.0	21.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*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]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320008	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-A4	183572.4445.0710	Asphalt	12-Aug-13 13:20	19-Aug-13
SB75253-72				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 55.6		µg/kg dry	55.6	41.5	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1320018	X
11104-28-2	Aroclor-1221	< 55.6		µg/kg dry	55.6	50.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.6		µg/kg dry	55.6	35.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.6		µg/kg dry	55.6	33.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.6		µg/kg dry	55.6	28.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	247		µg/kg dry	55.6	32.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 55.6		µg/kg dry	55.6	34.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 55.6		µg/kg dry	55.6	51.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 55.6		µg/kg dry	55.6	22.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320008	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-A5 253-73	183572.4445.0710	Asphalt	12-Aug-13 13:24	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.1		µg/kg dry	59.1	44.1	1	SW846 8082A	20-Aug-13	23-Aug-13	BLM	1320018	X
11104-28-2	Aroclor-1221	< 59.1		µg/kg dry	59.1	53.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.1		µg/kg dry	59.1	37.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.1		µg/kg dry	59.1	35.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.1		µg/kg dry	59.1	30.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	372		µg/kg dry	59.1	34.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.1		µg/kg dry	59.1	36.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.1		µg/kg dry	59.1	55.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.1		µg/kg dry	59.1	24.4	1	"	"	"	"	"	X
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)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320008	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1B-A6	183572.4445.0710	Asphalt	12-Aug-13 14:07	19-Aug-13
SB75253-74				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.0		µg/kg dry	65.0	48.6	1	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320022	X
11104-28-2	Aroclor-1221	< 65.0		µg/kg dry	65.0	58.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.0		µg/kg dry	65.0	41.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.0		µg/kg dry	65.0	39.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.0		µg/kg dry	65.0	33.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	224		µg/kg dry	65.0	38.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.0		µg/kg dry	65.0	40.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.0		µg/kg dry	65.0	60.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.0		µg/kg dry	65.0	26.8	1	"	"	"	"	"	X
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]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320008	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-A7 S[illegible]53-75	183572.4445.0710	Asphalt	12-Aug-13 14:10	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 54.0		µg/kg dry	54.0	40.3	1	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320022	X
11104-28-2	Aroclor-1221	< 54.0		µg/kg dry	54.0	48.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 54.0		µg/kg dry	54.0	34.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.0		µg/kg dry	54.0	32.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 54.0		µg/kg dry	54.0	28.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	208		µg/kg dry	54.0	45.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 54.0		µg/kg dry	54.0	33.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 54.0		µg/kg dry	54.0	50.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54.0		µg/kg dry	54.0	22.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320009	

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* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-A8	183572.4445.0710	Asphalt	12-Aug-13 14:13	19-Aug-13
SB75253-76				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 50.2		µg/kg dry	50.2	37.5	1	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320022	X
11104-28-2	Aroclor-1221	< 50.2		µg/kg dry	50.2	45.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 50.2		µg/kg dry	50.2	32.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 50.2		µg/kg dry	50.2	30.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 50.2		µg/kg dry	50.2	26.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	158		µg/kg dry	50.2	41.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 50.2		µg/kg dry	50.2	31.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 50.2		µg/kg dry	50.2	46.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 50.2		µg/kg dry	50.2	20.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320009	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-A9 S[redacted]53-77	183572.4445.0710	Asphalt	12-Aug-13 14:18	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.1		µg/kg dry	63.1	47.2	1	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320022	X
11104-28-2	Aroclor-1221	< 63.1		µg/kg dry	63.1	56.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.1		µg/kg dry	63.1	40.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.1		µg/kg dry	63.1	38.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.1		µg/kg dry	63.1	32.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	129		µg/kg dry	63.1	52.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.1		µg/kg dry	63.1	39.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.1		µg/kg dry	63.1	58.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.1		µg/kg dry	63.1	26.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*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]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.8		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320009	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-A10	183572.4445.0710	Asphalt	12-Aug-13 14:21	19-Aug-13
SB75253-78				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 56.1		µg/kg dry	56.1	41.9	1	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320022	X
11104-28-2	Aroclor-1221	< 56.1		µg/kg dry	56.1	50.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.1		µg/kg dry	56.1	36.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.1		µg/kg dry	56.1	33.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.1		µg/kg dry	56.1	29.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	61.7		µg/kg dry	56.1	46.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 56.1		µg/kg dry	56.1	34.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.1		µg/kg dry	56.1	52.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.1		µg/kg dry	56.1	23.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320009	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-A11 [redacted]53-79	183572.4445.0710	Asphalt	12-Aug-13 14:24	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1120	D	µg/kg dry	1120	840	20	SW846 8082A	20-Aug-13	23-Aug-13	IMR	1320022	X
11104-28-2	Aroclor-1221	< 1120	D	µg/kg dry	1120	1010	20	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1120	D	µg/kg dry	1120	722	20	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1120	D	µg/kg dry	1120	676	20	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1120	D	µg/kg dry	1120	585	20	"	"	"	"	"	X
11097-69-1	Aroclor-1254	91,900	D	µg/kg dry	1120	937	20	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1120	D	µg/kg dry	1120	697	20	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1120	D	µg/kg dry	1120	1050	20	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1120	D	µg/kg dry	1120	464	20	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.2		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320009	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-A12	183572.4445.0710	Asphalt	13-Aug-13 09:44	19-Aug-13
SB75253-80				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.8		µg/kg dry	63.8	47.7	1	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320022	X
11104-28-2	Aroclor-1221	< 63.8		µg/kg dry	63.8	57.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.8		µg/kg dry	63.8	41.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.8		µg/kg dry	63.8	38.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.8		µg/kg dry	63.8	33.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	70.2		µg/kg dry	63.8	53.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.8		µg/kg dry	63.8	39.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.8		µg/kg dry	63.8	59.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.8		µg/kg dry	63.8	26.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*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]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320009	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-A13	183572.4445.0710	Asphalt	13-Aug-13 09:46	19-Aug-13
[illegible]253-81				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 56.5		µg/kg dry	56.5	42.2	1	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320022	X
11104-28-2	Aroclor-1221	< 56.5		µg/kg dry	56.5	50.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.5		µg/kg dry	56.5	36.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.5		µg/kg dry	56.5	34.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.5		µg/kg dry	56.5	29.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	84.8		µg/kg dry	56.5	47.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 56.5		µg/kg dry	56.5	35.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.5		µg/kg dry	56.5	52.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.5		µg/kg dry	56.5	23.3	1	"	"	"	"	"	X
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)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320009	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-A14	183572.4445.0710	Asphalt	13-Aug-13 09:48	19-Aug-13
SB75253-82				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 53.3		µg/kg dry	53.3	39.8	1	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320022	X
11104-28-2	Aroclor-1221	< 53.3		µg/kg dry	53.3	48.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 53.3		µg/kg dry	53.3	34.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 53.3		µg/kg dry	53.3	32.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 53.3		µg/kg dry	53.3	27.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 53.3		µg/kg dry	53.3	44.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 53.3		µg/kg dry	53.3	33.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 53.3		µg/kg dry	53.3	49.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 53.3		µg/kg dry	53.3	22.0	1	"	"	"	"	"	X
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]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320009	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-A15 [redacted]53-83	183572.4445.0710	Asphalt	13-Aug-13 09:50	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.7		µg/kg dry	61.7	46.1	1	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320022	X
11104-28-2	Aroclor-1221	< 61.7		µg/kg dry	61.7	55.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.7		µg/kg dry	61.7	39.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.7		µg/kg dry	61.7	37.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.7		µg/kg dry	61.7	32.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.7		µg/kg dry	61.7	51.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.7		µg/kg dry	61.7	38.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.7		µg/kg dry	61.7	57.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.7		µg/kg dry	61.7	25.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.4		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320009	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-A16	183572.4445.0710	Asphalt	13-Aug-13 09:52	19-Aug-13
SB75253-84				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.7		µg/kg dry	61.7	46.1	1	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320022	X
11104-28-2	Aroclor-1221	< 61.7		µg/kg dry	61.7	55.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.7		µg/kg dry	61.7	39.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.7		µg/kg dry	61.7	37.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.7		µg/kg dry	61.7	32.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	67.9		µg/kg dry	61.7	51.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.7		µg/kg dry	61.7	38.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.7		µg/kg dry	61.7	57.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.7		µg/kg dry	61.7	25.5	1	"	"	"	"	"	X
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]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.0		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320009	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-A17 SB75253-85	183572.4445.0710	Asphalt	13-Aug-13 09:54	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.5		µg/kg dry	62.5	46.7	1	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320022	X
11104-28-2	Aroclor-1221	< 62.5		µg/kg dry	62.5	56.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.5		µg/kg dry	62.5	40.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.5		µg/kg dry	62.5	37.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.5		µg/kg dry	62.5	32.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	75.0		µg/kg dry	62.5	36.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.5		µg/kg dry	62.5	38.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.5		µg/kg dry	62.5	58.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.5		µg/kg dry	62.5	25.8	1	"	"	"	"	"	X
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]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	93.9		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320009	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-A18				
SB75253-86	183572.4445.0710	Asphalt	13-Aug-13 09:56	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.1		µg/kg dry	58.1	43.4	1	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320022	X
11104-28-2	Aroclor-1221	< 58.1		µg/kg dry	58.1	52.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.1		µg/kg dry	58.1	37.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.1		µg/kg dry	58.1	34.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.1		µg/kg dry	58.1	30.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	90.0		µg/kg dry	58.1	48.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.1		µg/kg dry	58.1	36.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.1		µg/kg dry	58.1	54.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.1		µg/kg dry	58.1	24.0	1	"	"	"	"	"	X
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)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320009	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-A19 [redacted]253-87	183572.4445.0710	Asphalt	13-Aug-13 09:58	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 54.2		µg/kg dry	54.2	40.5	1	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320022	X
11104-28-2	Aroclor-1221	< 54.2		µg/kg dry	54.2	48.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 54.2		µg/kg dry	54.2	34.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.2		µg/kg dry	54.2	32.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 54.2		µg/kg dry	54.2	28.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 54.2		µg/kg dry	54.2	45.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 54.2		µg/kg dry	54.2	33.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 54.2		µg/kg dry	54.2	50.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54.2		µg/kg dry	54.2	22.3	1	"	"	"	"	"	X
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]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320009	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-A20	183572.4445.0710	Asphalt	13-Aug-13 10:00	19-Aug-13
SB75253-88				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.6		µg/kg dry	59.6	44.5	1	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320022	X
11104-28-2	Aroclor-1221	< 59.6		µg/kg dry	59.6	53.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.6		µg/kg dry	59.6	38.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.6		µg/kg dry	59.6	35.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.6		µg/kg dry	59.6	31.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	59.6		µg/kg dry	59.6	34.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.6		µg/kg dry	59.6	37.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.6		µg/kg dry	59.6	55.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.6		µg/kg dry	59.6	24.6	1	"	"	"	"	"	X
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]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320009	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-A21	183572.4445.0710	Asphalt	13-Aug-13 10:02	19-Aug-13
[redacted]253-89				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 53.3		µg/kg dry	53.3	39.8	1	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320022	X
11104-28-2	Aroclor-1221	< 53.3		µg/kg dry	53.3	48.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 53.3		µg/kg dry	53.3	34.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 53.3		µg/kg dry	53.3	32.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 53.3		µg/kg dry	53.3	27.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	< 53.3		µg/kg dry	53.3	31.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 53.3		µg/kg dry	53.3	33.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 53.3		µg/kg dry	53.3	49.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 53.3		µg/kg dry	53.3	22.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*30*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*30*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*30*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*30*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320009	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C4B-Br1-0"	183572.4445.0710	Brick	13-Aug-13 14:52	19-Aug-13
SB75253-90				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 55.7		µg/kg dry	55.7	41.6	1	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320022	X
11104-28-2	Aroclor-1221	< 55.7		µg/kg dry	55.7	50.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.7		µg/kg dry	55.7	35.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.7		µg/kg dry	55.7	33.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.7		µg/kg dry	55.7	28.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	9,120		µg/kg dry	55.7	32.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 55.7		µg/kg dry	55.7	34.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 55.7		µg/kg dry	55.7	51.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 55.7		µg/kg dry	55.7	23.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320009	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C4B-Br1-3"	183572.4445.0710	Brick	13-Aug-13 14:48	19-Aug-13
253-91				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.0		µg/kg dry	59.0	44.1	1	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320022	X
11104-28-2	Aroclor-1221	< 59.0		µg/kg dry	59.0	53.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.0		µg/kg dry	59.0	37.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.0		µg/kg dry	59.0	35.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.0		µg/kg dry	59.0	30.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	10,700		µg/kg dry	59.0	34.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.0		µg/kg dry	59.0	36.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.0		µg/kg dry	59.0	55.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.0		µg/kg dry	59.0	24.3	1	"	"	"	"	"	X
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]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320009	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-CM1-0"	183572.4445.0710	Concrete	13-Aug-13 11:11	19-Aug-13
SB75253-92				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1110	D	µg/kg dry	1110	832	20	SW846 8082A	20-Aug-13	23-Aug-13	IMR	1320022	X
11104-28-2	Aroclor-1221	< 1110	D	µg/kg dry	1110	1000	20	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1110	D	µg/kg dry	1110	715	20	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1110	D	µg/kg dry	1110	670	20	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1110	D	µg/kg dry	1110	579	20	"	"	"	"	"	X
11097-69-1	Aroclor-1254	92,300	D	µg/kg dry	1110	928	20	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1110	D	µg/kg dry	1110	691	20	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1110	D	µg/kg dry	1110	1040	20	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1110	D	µg/kg dry	1110	459	20	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320009	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-CM1-3"	183572.4445.0710	Concrete	13-Aug-13 11:09	19-Aug-13
SB75253-93				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.2		µg/kg dry	60.2	45.0	1	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320022	X
11104-28-2	Aroclor-1221	< 60.2		µg/kg dry	60.2	54.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.2		µg/kg dry	60.2	38.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.2		µg/kg dry	60.2	36.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.2		µg/kg dry	60.2	31.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	2,660		µg/kg dry	60.2	35.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.2		µg/kg dry	60.2	37.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.2		µg/kg dry	60.2	56.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.2		µg/kg dry	60.2	24.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320009	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-CM2-0" SB75253-94	183572.4445.0710	Concrete	13-Aug-13 11:12	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 2810	D	µg/kg dry	2810	2100	50	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320023	X
11104-28-2	Aroclor-1221	< 2810	D	µg/kg dry	2810	2530	50	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 2810	D	µg/kg dry	2810	1800	50	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 2810	D	µg/kg dry	2810	1690	50	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 2810	D	µg/kg dry	2810	1460	50	"	"	"	"	"	X
11097-69-1	Aroclor-1254	155,000	D	µg/kg dry	2810	2340	50	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 2810	D	µg/kg dry	2810	1740	50	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 2810	D	µg/kg dry	2810	2610	50	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 2810	D	µg/kg dry	2810	1160	50	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320009	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-CM2-3"	183572.4445.0710	Concrete	13-Aug-13 11:10	19-Aug-13
[illegible]253-95				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 51.4		µg/kg dry	51.4	38.4	1	SW846 8082A	20-Aug-13	21-Aug-13	IMR	1320023	X
11104-28-2	Aroclor-1221	< 51.4		µg/kg dry	51.4	46.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 51.4		µg/kg dry	51.4	33.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 51.4		µg/kg dry	51.4	30.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 51.4		µg/kg dry	51.4	26.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,790		µg/kg dry	51.4	42.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 51.4		µg/kg dry	51.4	31.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 51.4		µg/kg dry	51.4	47.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 51.4		µg/kg dry	51.4	21.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320010	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1B-C2-C01-0"	183572.4445.0710	Concrete	12-Aug-13 10:52	19-Aug-13
SB75253-96				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.0		µg/kg dry	57.0	42.6	1	SW846 8082A	20-Aug-13	21-Aug-13	IMR	1320023	X
11104-28-2	Aroclor-1221	< 57.0		µg/kg dry	57.0	51.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.0		µg/kg dry	57.0	36.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.0		µg/kg dry	57.0	34.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.0		µg/kg dry	57.0	29.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	214		µg/kg dry	57.0	47.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.0		µg/kg dry	57.0	35.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.0		µg/kg dry	57.0	53.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.0		µg/kg dry	57.0	23.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320010	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C01-3"	183572.4445.0710	Concrete	12-Aug-13 10:48	19-Aug-13
[redacted]253-97				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.2		µg/kg dry	58.2	43.5	1	SW846 8082A	20-Aug-13	21-Aug-13	IMR	1320023	X
11104-28-2	Aroclor-1221	< 58.2		µg/kg dry	58.2	52.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.2		µg/kg dry	58.2	37.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.2		µg/kg dry	58.2	35.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.2		µg/kg dry	58.2	30.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	69.9		µg/kg dry	58.2	48.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.2		µg/kg dry	58.2	36.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.2		µg/kg dry	58.2	54.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.2		µg/kg dry	58.2	24.0	1	"	"	"	"	"	X
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)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320010	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C02-0"	183572.4445.0710	Concrete	12-Aug-13 11:28	19-Aug-13
SB75253-98				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 50.2		µg/kg dry	50.2	37.5	1	SW846 8082A	20-Aug-13	21-Aug-13	IMR	1320023	X
11104-28-2	Aroclor-1221	< 50.2		µg/kg dry	50.2	45.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 50.2		µg/kg dry	50.2	32.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 50.2		µg/kg dry	50.2	30.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 50.2		µg/kg dry	50.2	26.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	6,710		µg/kg dry	50.2	29.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 50.2		µg/kg dry	50.2	31.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 50.2		µg/kg dry	50.2	46.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 50.2		µg/kg dry	50.2	20.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	100		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320010	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C02-3"	183572.4445.0710	Concrete	12-Aug-13 11:24	19-Aug-13
S[illegible]253-99				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.1		µg/kg dry	58.1	43.4	1	SW846 8082A	20-Aug-13	21-Aug-13	IMR	1320023	X
11104-28-2	Aroclor-1221	< 58.1		µg/kg dry	58.1	52.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.1		µg/kg dry	58.1	37.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.1		µg/kg dry	58.1	35.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.1		µg/kg dry	58.1	30.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	421		µg/kg dry	58.1	48.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.1		µg/kg dry	58.1	36.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.1		µg/kg dry	58.1	54.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.1		µg/kg dry	58.1	24.0	1	"	"	"	"	"	X
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)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	100		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320010	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C03-0"	183572.4445.0710	Concrete	12-Aug-13 13:47	19-Aug-13
SB75258-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.4		µg/kg dry	60.4	45.1	1	SW846 8082A	20-Aug-13	21-Aug-13	IMR	1320023	X
11104-28-2	Aroclor-1221	< 60.4		µg/kg dry	60.4	54.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.4		µg/kg dry	60.4	38.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.4		µg/kg dry	60.4	36.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.4		µg/kg dry	60.4	31.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	1,560		µg/kg dry	60.4	35.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.4		µg/kg dry	60.4	37.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.4		µg/kg dry	60.4	56.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.4		µg/kg dry	60.4	24.9	1	"	"	"	"	"	X
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)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320010	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C03-3"	183572.4445.0710	Concrete	12-Aug-13 13:43	19-Aug-13
[redacted]58-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.9		µg/kg dry	65.9	49.2	1	SW846 8082A	20-Aug-13	21-Aug-13	IMR	1320023	X
11104-28-2	Aroclor-1221	< 65.9		µg/kg dry	65.9	59.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.9		µg/kg dry	65.9	42.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.9		µg/kg dry	65.9	39.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.9		µg/kg dry	65.9	34.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	362		µg/kg dry	65.9	54.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.9		µg/kg dry	65.9	40.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.9		µg/kg dry	65.9	61.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.9		µg/kg dry	65.9	27.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320010	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C04-0"	183572.4445.0710	Concrete	12-Aug-13 15:12	19-Aug-13
SB75258-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Ce*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 56.2		µg/kg dry	56.2	42.0	1	SW846 8082A	20-Aug-13	21-Aug-13	IMR	1320023	X
11104-28-2	Aroclor-1221	< 56.2		µg/kg dry	56.2	50.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.2		µg/kg dry	56.2	36.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.2		µg/kg dry	56.2	33.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.2		µg/kg dry	56.2	29.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 56.2		µg/kg dry	56.2	46.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 56.2		µg/kg dry	56.2	34.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.2		µg/kg dry	56.2	52.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.2		µg/kg dry	56.2	23.2	1	"	"	"	"	"	X
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)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320010	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C04-3"	183572.4445.0710	Concrete	12-Aug-13 15:08	19-Aug-13
[redacted]58-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.3		µg/kg dry	66.3	49.5	1	SW846 8082A	20-Aug-13	21-Aug-13	IMR	1320023	X
11104-28-2	Aroclor-1221	< 66.3		µg/kg dry	66.3	59.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.3		µg/kg dry	66.3	42.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.3		µg/kg dry	66.3	39.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.3		µg/kg dry	66.3	34.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.3		µg/kg dry	66.3	55.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.3		µg/kg dry	66.3	41.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.3		µg/kg dry	66.3	61.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.3		µg/kg dry	66.3	27.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.0		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320010	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C05-0"	183572.4445.0710	Concrete	13-Aug-13 09:26	19-Aug-13
SB75258-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 565	D	µg/kg dry	565	422	10	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320023	X
11104-28-2	Aroclor-1221	< 565	D	µg/kg dry	565	509	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 565	D	µg/kg dry	565	363	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 565	D	µg/kg dry	565	340	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 565	D	µg/kg dry	565	294	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	25,800	D	µg/kg dry	565	471	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 565	D	µg/kg dry	565	351	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 565	D	µg/kg dry	565	527	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 565	D	µg/kg dry	565	233	10	"	"	"	"	"	X
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)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320010	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C05-3"	183572.4445.0710	Concrete	13-Aug-13 09:19	19-Aug-13
[illegible]258-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.3		µg/kg dry	61.3	45.8	1	SW846 8082A	20-Aug-13	21-Aug-13	IMR	1320023	X
11104-28-2	Aroclor-1221	< 61.3		µg/kg dry	61.3	55.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.3		µg/kg dry	61.3	39.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.3		µg/kg dry	61.3	36.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.3		µg/kg dry	61.3	31.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	1,970		µg/kg dry	61.3	35.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.3		µg/kg dry	61.3	38.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.3		µg/kg dry	61.3	57.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.3		µg/kg dry	61.3	25.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*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]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320010	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C06-0" SB75258-07	183572.4445.0710	Concrete	13-Aug-13 10:09	19-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.2		µg/kg dry	57.2	42.7	1	SW846 8082A	20-Aug-13	21-Aug-13	IMR	1320023	X
11104-28-2	Aroclor-1221	< 57.2		µg/kg dry	57.2	51.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.2		µg/kg dry	57.2	36.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.2		µg/kg dry	57.2	34.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.2		µg/kg dry	57.2	29.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	692		µg/kg dry	57.2	47.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.2		µg/kg dry	57.2	35.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.2		µg/kg dry	57.2	53.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.2		µg/kg dry	57.2	23.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320010	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C06-3"	183572.4445.0710	Concrete	13-Aug-13 10:04	19-Aug-13
[redacted]258-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 53.1		µg/kg dry	53.1	39.6	1	SW846 8082A	20-Aug-13	22-Aug-13	IMR	1320023	X
11104-28-2	Aroclor-1221	< 53.1		µg/kg dry	53.1	47.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 53.1		µg/kg dry	53.1	34.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 53.1		µg/kg dry	53.1	31.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 53.1		µg/kg dry	53.1	27.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	188		µg/kg dry	53.1	31.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 53.1		µg/kg dry	53.1	32.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 53.1		µg/kg dry	53.1	49.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 53.1		µg/kg dry	53.1	21.9	1	"	"	"	"	"	X
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)*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	20-Aug-13	20-Aug-13	DT	1320010	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C05-6"	183572.4445.0710	Concrete	13-Aug-13 09:12	19-Aug-13
SB75258-17				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.8		µg/kg dry	58.8	44.0	1	SW846 8082A	26-Aug-13	27-Aug-13	IMR	1320496	X
11104-28-2	Aroclor-1221	< 58.8		µg/kg dry	58.8	53.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.8		µg/kg dry	58.8	37.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.8		µg/kg dry	58.8	35.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.8		µg/kg dry	58.8	30.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	221		µg/kg dry	58.8	49.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.8		µg/kg dry	58.8	36.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.8		µg/kg dry	58.8	54.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.8		µg/kg dry	58.8	24.3	1	"	"	"	"	"	X
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)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	27-Aug-13	27-Aug-13	DT	1320588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C05-12"	183572.4445.0710	Concrete	13-Aug-13 09:07	19-Aug-13
SB75258-18				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.7		µg/kg dry	60.7	45.3	1	SW846 8082A	26-Aug-13	27-Aug-13	IMR	1320496	X
11104-28-2	Aroclor-1221	< 60.7		µg/kg dry	60.7	54.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.7		µg/kg dry	60.7	39.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.7		µg/kg dry	60.7	36.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.7		µg/kg dry	60.7	31.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	191		µg/kg dry	60.7	50.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.7		µg/kg dry	60.7	37.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.7		µg/kg dry	60.7	56.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.7		µg/kg dry	60.7	25.0	1	"	"	"	"	"	X
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)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	27-Aug-13	27-Aug-13	DT	1320588	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C4B-Br1-6"	183572.4445.0710	Brick	13-Aug-13 14:44	19-Aug-13
SB75258-21				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.6		µg/kg dry	62.6	46.8	1	SW846 8082A	26-Aug-13	27-Aug-13	IMR	1320496	X
11104-28-2	Aroclor-1221	< 62.6		µg/kg dry	62.6	56.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.6		µg/kg dry	62.6	40.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.6		µg/kg dry	62.6	37.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.6		µg/kg dry	62.6	32.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,160		µg/kg dry	62.6	52.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.6		µg/kg dry	62.6	38.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.6		µg/kg dry	62.6	58.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.6		µg/kg dry	62.6	25.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	27-Aug-13	27-Aug-13	DT	1320588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C4B-Br1-12"	183572.4445.0710	Brick	13-Aug-13 14:40	19-Aug-13
SB75258-22				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.8		µg/kg dry	63.8	47.7	1	SW846 8082A	27-Aug-13	28-Aug-13	IMR	1320632	X
11104-28-2	Aroclor-1221	< 63.8		µg/kg dry	63.8	57.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.8		µg/kg dry	63.8	41.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.8		µg/kg dry	63.8	38.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.8		µg/kg dry	63.8	33.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**1,150**		µg/kg dry	63.8	53.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.8		µg/kg dry	63.8	39.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.8		µg/kg dry	63.8	59.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.8		µg/kg dry	63.8	26.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**99.5**		%			1	SM2540 G Mod.	27-Aug-13	27-Aug-13	DT	1320588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-CM1-6"	183572.4445.0710	Concrete	13-Aug-13 11:07	19-Aug-13
SB75258-23				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 67.1		µg/kg dry	67.1	50.1	1	SW846 8082A	27-Aug-13	28-Aug-13	IMR	1320632	X
11104-28-2	Aroclor-1221	< 67.1		µg/kg dry	67.1	60.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 67.1		µg/kg dry	67.1	43.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 67.1		µg/kg dry	67.1	40.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 67.1		µg/kg dry	67.1	34.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,420		µg/kg dry	67.1	55.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 87.1		µg/kg dry	67.1	41.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 67.1		µg/kg dry	67.1	62.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 67.1		µg/kg dry	67.1	27.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*140*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	94.9		%			1	SM2540 G Mod.	27-Aug-13	27-Aug-13	DT	1320588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-CM1-12"	183572.4445.0710	Concrete	13-Aug-13 11:05	19-Aug-13
[illegible]5258-24				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.8		µg/kg dry	61.8	46.2	1	SW846 8082A	27-Aug-13	28-Aug-13	IMR	1320632	X
11104-28-2	Aroclor-1221	< 61.8		µg/kg dry	61.8	55.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.8		µg/kg dry	61.8	39.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.8		µg/kg dry	61.8	37.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.8		µg/kg dry	61.8	32.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	377		µg/kg dry	61.8	51.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.8		µg/kg dry	61.8	38.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.8		µg/kg dry	61.8	57.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.8		µg/kg dry	61.8	25.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	27-Aug-13	27-Aug-13	DT	1320588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-CM2-6"	183572.4445.0710	Concrete	13-Aug-13 11:08	19-Aug-13
SB75258-25				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 54.8		µg/kg dry	54.8	41.0	1	SW846 8082A	27-Aug-13	28-Aug-13	IMR	1320632	X
11104-28-2	Aroclor-1221	< 54.8		µg/kg dry	54.8	49.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 54.8		µg/kg dry	54.8	35.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.8		µg/kg dry	54.8	33.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 54.8		µg/kg dry	54.8	28.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,400		µg/kg dry	54.8	45.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 54.8		µg/kg dry	54.8	34.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 54.8		µg/kg dry	54.8	51.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54.8		µg/kg dry	54.8	22.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	27-Aug-13	27-Aug-13	DT	1320588	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-CM2-12"	183572.4445.0710	Concrete	13-Aug-13 11:06	19-Aug-13
[redacted]258-26				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 71.3		µg/kg dry	71.3	53.3	1	SW846 8082A	27-Aug-13	29-Aug-13	IMR	1320632	X
11104-28-2	Aroclor-1221	< 71.3		µg/kg dry	71.3	64.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 71.3		µg/kg dry	71.3	45.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 71.3		µg/kg dry	71.3	42.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 71.3		µg/kg dry	71.3	37.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	339		µg/kg dry	71.3	41.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 71.3		µg/kg dry	71.3	44.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 71.3		µg/kg dry	71.3	66.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 71.3		µg/kg dry	71.3	29.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	70.1		%			1	SM2540 G Mod.	27-Aug-13	27-Aug-13	DT	1320588	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1319935 - SW846 3540C										
Blank (1319935-BLK1)						Prepared: 19-Aug-13 Analyzed: 20-Aug-13				
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
LCS (1319935-BS1)						Prepared: 19-Aug-13 Analyzed: 20-Aug-13				
Aroclor-1016	**239**		µg/kg wet	20.0	250		96	40-140		
Aroclor-1016 [2C]	**241**		µg/kg wet	20.0	250		96	40-140		
Aroclor-1260	**216**		µg/kg wet	20.0	250		86	40-140		
Aroclor-1260 [2C]	**223**		µg/kg wet	20.0	250		89	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.0*		µg/kg wet		*20.0*		*125*	*30-200*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-200*		
LCS Dup (1319935-BSD1)						Prepared: 19-Aug-13 Analyzed: 20-Aug-13				
Aroclor-1016	**236**		µg/kg wet	20.0	250		94	40-140	1	30
Aroclor-1016 [2C]	**238**		µg/kg wet	20.0	250		95	40-140	1	30
Aroclor-1260	**212**		µg/kg wet	20.0	250		85	40-140	2	30
Aroclor-1260 [2C]	**223**		µg/kg wet	20.0	250		89	40-140	0	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
Batch 1319944 - SW846 3540C										
Blank (1319944-BLK1)						Prepared: 19-Aug-13 Analyzed: 22-Aug-13				
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1319944 - SW846 3540C										
Blank (1319944-BLK1)					Prepared: 19-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*36.7*		µg/kg wet		*66.7*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*36.7*		µg/kg wet		*66.7*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*46.7*		µg/kg wet		*66.7*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*40.0*		µg/kg wet		*66.7*		*60*	*30-150*		
LCS (1319944-BS1)					Prepared: 19-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1016	**677**		µg/kg wet	66.7	833		81	40-140		
Aroclor-1016 [2C]	**683**		µg/kg wet	66.7	833		82	40-140		
Aroclor-1260	**617**		µg/kg wet	66.7	833		74	40-140		
Aroclor-1260 [2C]	**670**		µg/kg wet	66.7	833		80	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*83.3*		µg/kg wet		*66.7*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
LCS Dup (1319944-BSD1)					Prepared: 19-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1016	**727**		µg/kg wet	66.7	833		87	40-140	7	30
Aroclor-1016 [2C]	**723**		µg/kg wet	66.7	833		87	40-140	6	30
Aroclor-1260	**637**		µg/kg wet	66.7	833		76	40-140	3	30
Aroclor-1260 [2C]	**723**		µg/kg wet	66.7	833		87	40-140	8	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*86.7*		µg/kg wet		*66.7*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*80.0*		µg/kg wet		*66.7*		*120*	*30-150*		
Duplicate (1319944-DUP1)			**Source: SB75253-35**		Prepared: 19-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1016	< 57.1		µg/kg dry	57.1		BRL				30
Aroclor-1016 [2C]	< 57.1		µg/kg dry	57.1		BRL				30
Aroclor-1221	< 57.1		µg/kg dry	57.1		BRL				30
Aroclor-1221 [2C]	< 57.1		µg/kg dry	57.1		BRL				30
Aroclor-1232	< 57.1		µg/kg dry	57.1		BRL				30
Aroclor-1232 [2C]	< 57.1		µg/kg dry	57.1		BRL				30
Aroclor-1242	< 57.1		µg/kg dry	57.1		BRL				30
Aroclor-1242 [2C]	< 57.1		µg/kg dry	57.1		BRL				30
Aroclor-1248	< 57.1		µg/kg dry	57.1		BRL				30
Aroclor-1248 [2C]	< 57.1		µg/kg dry	57.1		BRL				30
Aroclor-1254	< 57.1		µg/kg dry	57.1		BRL				30
Aroclor-1254 [2C]	< 57.1		µg/kg dry	57.1		BRL				30
Aroclor-1260	< 57.1		µg/kg dry	57.1		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1319944 - SW846 3540C										
Duplicate (1319944-DUP1)			Source: SB75253-35		Prepared: 19-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1260 [2C]	< 57.1		µg/kg dry	57.1		BRL				30
Aroclor-1262	< 57.1		µg/kg dry	57.1		BRL				30
Aroclor-1262 [2C]	< 57.1		µg/kg dry	57.1		BRL				30
Aroclor-1268	< 57.1		µg/kg dry	57.1		BRL				30
Aroclor-1268 [2C]	< 57.1		µg/kg dry	57.1		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*28.5*		µg/kg dry		*57.1*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*28.5*		µg/kg dry		*57.1*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*31.4*		µg/kg dry		*57.1*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.7*		µg/kg dry		*57.1*		*45*	*30-150*		
Matrix Spike (1319944-MS1)			Source: SB75253-35		Prepared: 19-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1016	**532**		µg/kg dry	62.2	777	BRL	68	40-140		
Aroclor-1016 [2C]	**454**		µg/kg dry	62.2	777	BRL	58	40-140		
Aroclor-1260	**473**		µg/kg dry	62.2	777	BRL	61	40-140		
Aroclor-1260 [2C]	**438**		µg/kg dry	62.2	777	BRL	56	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*43.5*		µg/kg dry		*62.2*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*40.4*		µg/kg dry		*62.2*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*40.4*		µg/kg dry		*62.2*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*31.1*		µg/kg dry		*62.2*		*50*	*30-150*		
Matrix Spike Dup (1319944-MSD1)			Source: SB75253-35		Prepared: 19-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1016	**539**		µg/kg dry	65.0	812	BRL	66	40-140	3	30
Aroclor-1016 [2C]	**435**		µg/kg dry	65.0	812	BRL	54	40-140	9	30
Aroclor-1260	**491**		µg/kg dry	65.0	812	BRL	60	40-140	0.7	30
Aroclor-1260 [2C]	**465**		µg/kg dry	65.0	812	BRL	57	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*39.0*		µg/kg dry		*65.0*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*39.0*		µg/kg dry		*65.0*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*39.0*		µg/kg dry		*65.0*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*32.5*		µg/kg dry		*65.0*		*50*	*30-150*		
Batch 1319949 - SW846 3540C										
Blank (1319949-BLK1)					Prepared: 20-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1319949 - SW846 3540C										
Blank (1319949-BLK1)					Prepared: 20-Aug-13 Analyzed: 22-Aug-13					
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*96.7*		µg/kg wet		*66.7*		*145*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
LCS (1319949-BS1)					Prepared: 20-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1016	**783**		µg/kg wet	66.7	833		94	40-140		
Aroclor-1016 [2C]	**710**		µg/kg wet	66.7	833		85	40-140		
Aroclor-1260	**733**		µg/kg wet	66.7	833		88	40-140		
Aroclor-1260 [2C]	**720**		µg/kg wet	66.7	833		86	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*100*		µg/kg wet		*66.7*		*150*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*76.7*		µg/kg wet		*66.7*		*115*	*30-150*		
LCS Dup (1319949-BSD1)					Prepared: 20-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1016	**777**		µg/kg wet	66.7	833		93	40-140	0.9	30
Aroclor-1016 [2C]	**677**		µg/kg wet	66.7	833		81	40-140	5	30
Aroclor-1260	**777**		µg/kg wet	66.7	833		93	40-140	6	30
Aroclor-1260 [2C]	**717**		µg/kg wet	66.7	833		86	40-140	0.5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*100*		µg/kg wet		*66.7*		*150*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*80.0*		µg/kg wet		*66.7*		*120*	*30-150*		
Duplicate (1319949-DUP1)			**Source: SB75253-55**		Prepared: 20-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1016	< 64.9		µg/kg dry	64.9		BRL				30
Aroclor-1016 [2C]	< 64.9		µg/kg dry	64.9		BRL				30
Aroclor-1221	< 64.9		µg/kg dry	64.9		BRL				30
Aroclor-1221 [2C]	< 64.9		µg/kg dry	64.9		BRL				30
Aroclor-1232	< 64.9		µg/kg dry	64.9		BRL				30
Aroclor-1232 [2C]	< 64.9		µg/kg dry	64.9		BRL				30
Aroclor-1242	< 64.9		µg/kg dry	64.9		BRL				30
Aroclor-1242 [2C]	< 64.9		µg/kg dry	64.9		BRL				30
Aroclor-1248	< 64.9		µg/kg dry	64.9		BRL				30
Aroclor-1248 [2C]	< 64.9		µg/kg dry	64.9		BRL				30
Aroclor-1254	< 64.9		µg/kg dry	64.9		BRL				30
Aroclor-1254 [2C]	< 64.9		µg/kg dry	64.9		BRL				30
Aroclor-1260	< 64.9		µg/kg dry	64.9		BRL				30
Aroclor-1260 [2C]	< 64.9		µg/kg dry	64.9		BRL				30
Aroclor-1262	< 64.9		µg/kg dry	64.9		BRL				30
Aroclor-1262 [2C]	< 64.9		µg/kg dry	64.9		BRL				30
Aroclor-1268	< 64.9		µg/kg dry	64.9		BRL				30
Aroclor-1268 [2C]	< 64.9		µg/kg dry	64.9		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*45.4*		µg/kg dry		*64.9*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*42.2*		µg/kg dry		*64.9*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*64.9*		µg/kg dry		*64.9*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*51.9*		µg/kg dry		*64.9*		*80*	*30-150*		
Matrix Spike (1319949-MS1)			**Source: SB75253-55**		Prepared: 20-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1016	**522**		µg/kg dry	60.0	750	BRL	70	40-140		
Aroclor-1016 [2C]	**492**		µg/kg dry	60.0	750	BRL	66	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1319949 - SW846 3540C										
Matrix Spike (1319949-MS1)			Source: SB75253-55		Prepared: 20-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1260	**600**		µg/kg dry	60.0	750	BRL	80	40-140		
Aroclor-1260 [2C]	**492**		µg/kg dry	60.0	750	BRL	66	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*42.0*		µg/kg dry		*60.0*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*42.0*		µg/kg dry		*60.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*72.0*		µg/kg dry		*60.0*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*54.0*		µg/kg dry		*60.0*		*90*	*30-150*		
Matrix Spike Dup (1319949-MSD1)			Source: SB75253-55		Prepared: 20-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1016	**533**		µg/kg dry	64.3	803	BRL	66	40-140	5	30
Aroclor-1016 [2C]	**537**		µg/kg dry	64.3	803	BRL	67	40-140	2	30
Aroclor-1260	**569**		µg/kg dry	64.3	803	BRL	71	40-140	12	30
Aroclor-1260 [2C]	**514**		µg/kg dry	64.3	803	BRL	64	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*48.2*		µg/kg dry		*64.3*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*48.2*		µg/kg dry		*64.3*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*67.5*		µg/kg dry		*64.3*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*54.6*		µg/kg dry		*64.3*		*85*	*30-150*		
Batch 1320018 - SW846 3540C										
Blank (1320018-BLK1)					Prepared: 20-Aug-13 Analyzed: 23-Aug-13					
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*93.3*		µg/kg wet		*66.7*		*140*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*76.7*		µg/kg wet		*66.7*		*115*	*30-150*		
LCS (1320018-BS1)					Prepared: 20-Aug-13 Analyzed: 23-Aug-13					
Aroclor-1016	**810**		µg/kg wet	66.7	833		97	40-140		
Aroclor-1016 [2C]	**713**		µg/kg wet	66.7	833		86	40-140		
Aroclor-1260	**793**		µg/kg wet	66.7	833		95	40-140		
Aroclor-1260 [2C]	**750**		µg/kg wet	66.7	833		90	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*80.0*		µg/kg wet		*66.7*		*120*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320018 - SW846 3540C										
LCS (1320018-BS1)					Prepared: 20-Aug-13 Analyzed: 23-Aug-13					
Surrogate: Decachlorobiphenyl (Sr) [2C]	*63.3*		µg/kg wet		*66.7*		*95*	*30-150*		
LCS Dup (1320018-BSD1)					Prepared: 20-Aug-13 Analyzed: 23-Aug-13					
Aroclor-1016	**793**		µg/kg wet	66.7	833		95	40-140	2	30
Aroclor-1016 [2C]	**700**		µg/kg wet	66.7	833		84	40-140	2	30
Aroclor-1260	**747**		µg/kg wet	66.7	833		90	40-140	6	30
Aroclor-1260 [2C]	**757**		µg/kg wet	66.7	833		91	40-140	0.9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*80.0*		µg/kg wet		*66.7*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*63.3*		µg/kg wet		*66.7*		*95*	*30-150*		
Duplicate (1320018-DUP1)			**Source: SB75253-59**		Prepared: 20-Aug-13 Analyzed: 23-Aug-13					
Aroclor-1016	< 51.8		µg/kg dry	51.8		BRL				30
Aroclor-1016 [2C]	< 51.8		µg/kg dry	51.8		BRL				30
Aroclor-1221	< 51.8		µg/kg dry	51.8		BRL				30
Aroclor-1221 [2C]	< 51.8		µg/kg dry	51.8		BRL				30
Aroclor-1232	< 51.8		µg/kg dry	51.8		BRL				30
Aroclor-1232 [2C]	< 51.8		µg/kg dry	51.8		BRL				30
Aroclor-1242	< 51.8		µg/kg dry	51.8		BRL				30
Aroclor-1242 [2C]	< 51.8		µg/kg dry	51.8		BRL				30
Aroclor-1248	< 51.8		µg/kg dry	51.8		BRL				30
Aroclor-1248 [2C]	< 51.8		µg/kg dry	51.8		BRL				30
Aroclor-1254	< 51.8		µg/kg dry	51.8		BRL				30
Aroclor-1254 [2C]	< 51.8		µg/kg dry	51.8		BRL				30
Aroclor-1260	< 51.8		µg/kg dry	51.8		BRL				30
Aroclor-1260 [2C]	< 51.8		µg/kg dry	51.8		BRL				30
Aroclor-1262	< 51.8		µg/kg dry	51.8		BRL				30
Aroclor-1262 [2C]	< 51.8		µg/kg dry	51.8		BRL				30
Aroclor-1268	< 51.8		µg/kg dry	51.8		BRL				30
Aroclor-1268 [2C]	< 51.8		µg/kg dry	51.8		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*38.9*		µg/kg dry		*51.8*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*36.3*		µg/kg dry		*51.8*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*64.8*		µg/kg dry		*51.8*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*46.7*		µg/kg dry		*51.8*		*90*	*30-150*		
Matrix Spike (1320018-MS1)			**Source: SB75253-59**		Prepared: 20-Aug-13 Analyzed: 23-Aug-13					
Aroclor-1016	**415**		µg/kg dry	60.5	757	BRL	55	40-140		
Aroclor-1016 [2C]	**381**		µg/kg dry	60.5	757	BRL	50	40-140		
Aroclor-1260	**469**		µg/kg dry	60.5	757	BRL	62	40-140		
Aroclor-1260 [2C]	**436**		µg/kg dry	60.5	757	BRL	58	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*39.4*		µg/kg dry		*60.5*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*39.4*		µg/kg dry		*60.5*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*63.6*		µg/kg dry		*60.5*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*54.5*		µg/kg dry		*60.5*		*90*	*30-150*		
Matrix Spike Dup (1320018-MSD1)			**Source: SB75253-59**		Prepared: 20-Aug-13 Analyzed: 23-Aug-13					
Aroclor-1016	**424**		µg/kg dry	55.7	697	BRL	61	40-140	10	30
Aroclor-1016 [2C]	**354**		µg/kg dry	55.7	697	BRL	51	40-140	0.8	30
Aroclor-1260	**574**		µg/kg dry	55.7	697	BRL	82	40-140	28	30
Aroclor-1260 [2C]	**440**		µg/kg dry	55.7	697	BRL	63	40-140	9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*33.4*		µg/kg dry		*55.7*		*60*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320018 - SW846 3540C										
Matrix Spike Dup (1320018-MSD1)			Source: SB75263-59		Prepared: 20-Aug-13 Analyzed: 23-Aug-13					
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*30.7*		µg/kg dry		*55.7*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*66.9*		µg/kg dry		*55.7*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*50.2*		µg/kg dry		*55.7*		*90*	*30-150*		
Batch 1320022 - SW846 3540C										
Blank (1320022-BLK1)					Prepared: 20-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*50.0*		µg/kg wet		*66.7*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
LCS (1320022-BS1)					Prepared: 20-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1016	**760**		µg/kg wet	66.7	833		91	40-140		
Aroclor-1016 [2C]	**777**		µg/kg wet	66.7	833		93	40-140		
Aroclor-1260	**647**		µg/kg wet	66.7	833		78	40-140		
Aroclor-1260 [2C]	**707**		µg/kg wet	66.7	833		85	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
LCS Dup (1320022-BSD1)					Prepared: 20-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1016	**803**		µg/kg wet	66.7	833		96	40-140	6	30
Aroclor-1016 [2C]	**840**		µg/kg wet	66.7	833		101	40-140	8	30
Aroclor-1260	**663**		µg/kg wet	66.7	833		80	40-140	3	30
Aroclor-1260 [2C]	**800**		µg/kg wet	66.7	833		96	40-140	12	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*76.7*		µg/kg wet		*66.7*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*80.0*		µg/kg wet		*66.7*		*120*	*30-150*		
Duplicate (1320022-DUP1)			Source: SB75263-93		Prepared: 20-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1016	< 57.2		µg/kg dry	57.2		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320022 - SW846 3540C										
Duplicate (1320022-DUP1)			Source: SB75253-93		Prepared: 20-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1016 [2C]	< 57.2		µg/kg dry	57.2		BRL				30
Aroclor-1221	< 57.2		µg/kg dry	57.2		BRL				30
Aroclor-1221 [2C]	< 57.2		µg/kg dry	57.2		BRL				30
Aroclor-1232	< 57.2		µg/kg dry	57.2		BRL				30
Aroclor-1232 [2C]	< 57.2		µg/kg dry	57.2		BRL				30
Aroclor-1242	< 57.2		µg/kg dry	57.2		BRL				30
Aroclor-1242 [2C]	< 57.2		µg/kg dry	57.2		BRL				30
Aroclor-1248	< 57.2		µg/kg dry	57.2		BRL				30
Aroclor-1248 [2C]	< 57.2		µg/kg dry	57.2		BRL				30
Aroclor-1254	**2640**		µg/kg dry	57.2		2510			5	30
Aroclor-1254 [2C]	**2530**		µg/kg dry	57.2		2660			5	30
Aroclor-1260	< 57.2		µg/kg dry	57.2		BRL				30
Aroclor-1260 [2C]	< 57.2		µg/kg dry	57.2		BRL				30
Aroclor-1262	< 57.2		µg/kg dry	57.2		BRL				30
Aroclor-1262 [2C]	< 57.2		µg/kg dry	57.2		BRL				30
Aroclor-1268	< 57.2		µg/kg dry	57.2		BRL				30
Aroclor-1268 [2C]	< 57.2		µg/kg dry	57.2		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*51.5*		µg/kg dry		*57.2*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*57.2*		µg/kg dry		*57.2*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*82.9*		µg/kg dry		*57.2*		*145*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*82.9*		µg/kg dry		*57.2*		*145*	*30-150*		
Matrix Spike (1320022-MS1)			Source: SB75253-93		Prepared: 20-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1016	**609**		µg/kg dry	60.0	750	BRL	81	40-140		
Aroclor-1016 [2C]	**579**		µg/kg dry	60.0	750	BRL	77	40-140		
Aroclor-1260	**597**		µg/kg dry	60.0	750	BRL	80	40-140		
Aroclor-1260 [2C]	**636**		µg/kg dry	60.0	750	BRL	85	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*51.0*		µg/kg dry		*60.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*51.0*		µg/kg dry		*60.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*83.9*		µg/kg dry		*60.0*		*140*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*72.0*		µg/kg dry		*60.0*		*120*	*30-150*		
Matrix Spike Dup (1320022-MSD1)			Source: SB75253-93		Prepared: 20-Aug-13 Analyzed: 22-Aug-13					
Aroclor-1016	**618**		µg/kg dry	59.7	746	BRL	83	40-140	2	30
Aroclor-1016 [2C]	**603**		µg/kg dry	59.7	746	BRL	81	40-140	5	30
Aroclor-1260	**618**		µg/kg dry	59.7	746	BRL	83	40-140	4	30
Aroclor-1260 [2C]	**618**		µg/kg dry	59.7	746	BRL	83	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*50.7*		µg/kg dry		*59.7*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*47.7*		µg/kg dry		*59.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*77.6*		µg/kg dry		*59.7*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*74.6*		µg/kg dry		*59.7*		*125*	*30-150*		
Batch 1320023 - SW846 3540C										
Blank (1320023-BLK1)					Prepared: 20-Aug-13 Analyzed: 21-Aug-13					
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320023 - SW846 3540C										
Blank (1320023-BLK1)					Prepared: 20-Aug-13 Analyzed: 21-Aug-13					
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*96.7*		µg/kg wet		*66.7*		*145*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*93.3*		µg/kg wet		*66.7*		*140*	*30-150*		
LCS (1320023-BS1)					Prepared: 20-Aug-13 Analyzed: 21-Aug-13					
Aroclor-1016	**750**		µg/kg wet	66.7	833		90	40-140		
Aroclor-1016 [2C]	**703**		µg/kg wet	66.7	833		84	40-140		
Aroclor-1260	**700**		µg/kg wet	66.7	833		84	40-140		
Aroclor-1260 [2C]	**660**		µg/kg wet	66.7	833		79	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*63.3*		µg/kg wet		*66.7*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*100*		µg/kg wet		*66.7*		*150*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*96.7*		µg/kg wet		*66.7*		*145*	*30-150*		
LCS Dup (1320023-BSD1)					Prepared: 20-Aug-13 Analyzed: 21-Aug-13					
Aroclor-1016	**750**		µg/kg wet	66.7	833		90	40-140	0	30
Aroclor-1016 [2C]	**710**		µg/kg wet	66.7	833		85	40-140	0.9	30
Aroclor-1260	**673**		µg/kg wet	66.7	833		81	40-140	4	30
Aroclor-1260 [2C]	**667**		µg/kg wet	66.7	833		80	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*63.3*		µg/kg wet		*66.7*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*63.3*		µg/kg wet		*66.7*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*100*		µg/kg wet		*66.7*		*150*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*96.7*		µg/kg wet		*66.7*		*145*	*30-150*		
Duplicate (1320023-DUP1)			**Source: SB75253-98**		Prepared: 20-Aug-13 Analyzed: 21-Aug-13					
Aroclor-1016	< 53.3		µg/kg dry	53.3		BRL				30
Aroclor-1016 [2C]	< 53.3		µg/kg dry	53.3		BRL				30
Aroclor-1221	< 53.3		µg/kg dry	53.3		BRL				30
Aroclor-1221 [2C]	< 53.3		µg/kg dry	53.3		BRL				30
Aroclor-1232	< 53.3		µg/kg dry	53.3		BRL				30
Aroclor-1232 [2C]	< 53.3		µg/kg dry	53.3		BRL				30
Aroclor-1242	< 53.3		µg/kg dry	53.3		BRL				30
Aroclor-1242 [2C]	< 53.3		µg/kg dry	53.3		BRL				30
Aroclor-1248	< 53.3		µg/kg dry	53.3		BRL				30
Aroclor-1248 [2C]	< 53.3		µg/kg dry	53.3		BRL				30
Aroclor-1254	**6310**		µg/kg dry	53.3		6530			3	30
Aroclor-1254 [2C]	**6760**		µg/kg dry	53.3		6710			0.8	30
Aroclor-1260	< 53.3		µg/kg dry	53.3		BRL				30
Aroclor-1260 [2C]	< 53.3		µg/kg dry	53.3		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320023 - SW846 3540C										
Duplicate (1320023-DUP1)			**Source: SB75253-98**		Prepared: 20-Aug-13 Analyzed: 21-Aug-13					
Aroclor-1262	< 53.3		µg/kg dry	53.3		BRL				30
Aroclor-1262 [2C]	< 53.3		µg/kg dry	53.3		BRL				30
Aroclor-1268	< 53.3		µg/kg dry	53.3		BRL				30
Aroclor-1268 [2C]	< 53.3		µg/kg dry	53.3		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*40.0*		µg/kg dry		*53.3*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*45.3*		µg/kg dry		*53.3*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*64.0*		µg/kg dry		*53.3*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*66.6*		µg/kg dry		*53.3*		*125*	*30-150*		
Matrix Spike (1320023-MS1)			**Source: SB75253-98**		Prepared: 20-Aug-13 Analyzed: 21-Aug-13					
Aroclor-1016	**597**		µg/kg dry	60.6	757	BRL	79	40-140		
Aroclor-1016 [2C]	**606**		µg/kg dry	60.6	757	BRL	80	40-140		
Aroclor-1260	**970**		µg/kg dry	60.6	757	BRL	128	40-140		
Aroclor-1260 [2C]	**964**		µg/kg dry	60.6	757	BRL	127	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*51.5*		µg/kg dry		*60.6*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*54.5*		µg/kg dry		*60.6*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*78.8*		µg/kg dry		*60.6*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*78.8*		µg/kg dry		*60.6*		*130*	*30-150*		
Matrix Spike Dup (1320023-MSD1)			**Source: SB75253-98**		Prepared: 20-Aug-13 Analyzed: 21-Aug-13					
Aroclor-1016	**432**		µg/kg dry	55.4	693	BRL	62	40-140	23	30
Aroclor-1016 [2C]	**443**		µg/kg dry	55.4	693	BRL	64	40-140	22	30
Aroclor-1260	**856**		µg/kg dry	55.4	693	BRL	124	40-140	3	30
Aroclor-1260 [2C]	**884**		µg/kg dry	55.4	693	BRL	128	40-140	0.3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*36.0*		µg/kg dry		*55.4*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*38.8*		µg/kg dry		*55.4*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*58.2*		µg/kg dry		*55.4*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*58.2*		µg/kg dry		*55.4*		*105*	*30-150*		
Batch 1320496 - SW846 3540C										
Blank (1320496-BLK1)					Prepared: 26-Aug-13 Analyzed: 27-Aug-13					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320496 - SW846 3540C										
Blank (1320496-BLK1)						Prepared: 26-Aug-13 Analyzed: 27-Aug-13				
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.0*		µg/kg wet		*20.0*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*28.0*		µg/kg wet		*20.0*		*140*	*30-150*		
LCS (1320496-BS1)						Prepared: 26-Aug-13 Analyzed: 27-Aug-13				
Aroclor-1016	**213**		µg/kg wet	20.0	250		85	40-140		
Aroclor-1016 [2C]	**211**		µg/kg wet	20.0	250		84	40-140		
Aroclor-1260	**195**		µg/kg wet	20.0	250		78	40-140		
Aroclor-1260 [2C]	**198**		µg/kg wet	20.0	250		79	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*27.0*		µg/kg wet		*20.0*		*135*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.0*		µg/kg wet		*20.0*		*125*	*30-150*		
LCS Dup (1320496-BSD1)						Prepared: 26-Aug-13 Analyzed: 27-Aug-13				
Aroclor-1016	**214**		µg/kg wet	20.0	250		86	40-140	0.5	30
Aroclor-1016 [2C]	**206**		µg/kg wet	20.0	250		82	40-140	2	30
Aroclor-1260	**197**		µg/kg wet	20.0	250		79	40-140	1	30
Aroclor-1260 [2C]	**194**		µg/kg wet	20.0	250		78	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.0*		µg/kg wet		*20.0*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
Batch 1320632 - SW846 3540C										
Blank (1320632-BLK1)						Prepared: 27-Aug-13 Analyzed: 28-Aug-13				
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*76.7*		µg/kg wet		*66.7*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
LCS (1320632-BS1)						Prepared: 27-Aug-13 Analyzed: 28-Aug-13				
Aroclor-1016	**737**		µg/kg wet	66.7	833		88	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320632 - SW846 3540C										
LCS (1320632-BS1)					Prepared: 27-Aug-13 Analyzed: 28-Aug-13					
Aroclor-1016 [2C]	**667**		µg/kg wet	66.7	833		80	40-140		
Aroclor-1260	**753**		µg/kg wet	66.7	833		90	40-140		
Aroclor-1260 [2C]	**893**		µg/kg wet	66.7	833		107	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*63.3*		µg/kg wet		*66.7*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*63.3*		µg/kg wet		*66.7*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*90.0*		µg/kg wet		*66.7*		*135*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*96.7*		µg/kg wet		*66.7*		*145*	*30-150*		
LCS Dup (1320632-BSD1)					Prepared: 27-Aug-13 Analyzed: 28-Aug-13					
Aroclor-1016	**763**		µg/kg wet	66.7	833		92	40-140	4	30
Aroclor-1016 [2C]	**667**		µg/kg wet	66.7	833		80	40-140	0	30
Aroclor-1260	**703**		µg/kg wet	66.7	833		84	40-140	7	30
Aroclor-1260 [2C]	**710**		µg/kg wet	66.7	833		85	40-140	23	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*86.7*		µg/kg wet		*66.7*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*96.7*		µg/kg wet		*66.7*		*145*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320006 - General Preparation										
Duplicate (1320006-DUP1)			Source: SB75253-15			Prepared & Analyzed: 20-Aug-13				
% Solids	99.5		%			99.2			0.3	20
Batch 1320007 - General Preparation										
Duplicate (1320007-DUP1)			Source: SB75253-35			Prepared & Analyzed: 20-Aug-13				
% Solids	97.9		%			97.8			0.09	20
Batch 1320008 - General Preparation										
Duplicate (1320008-DUP1)			Source: SB75253-55			Prepared & Analyzed: 20-Aug-13				
% Solids	98.5		%			98.4			0.08	20
Batch 1320009 - General Preparation										
Duplicate (1320009-DUP1)			Source: SB75253-75			Prepared & Analyzed: 20-Aug-13				
% Solids	99.8		%			99.9			0.07	20
Batch 1320010 - General Preparation										
Duplicate (1320010-DUP1)			Source: SB75253-95			Prepared & Analyzed: 20-Aug-13				
% Solids	99.3		%			99.4			0.09	20
Batch 1320588 - General Preparation										
Duplicate (1320588-DUP1)			Source: SB75258-17			Prepared & Analyzed: 27-Aug-13				
% Solids	99.3		%			99.5			0.2	20

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
P	Difference between the two GC columns is greater than 40%.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk
Nicole Leja
Rebecca Merz

CT DAS Rates Apply

SB 75253 + SB 75256

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CHAIN OF CUSTODY RECORD

Page 1 of 13

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 days
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Henry Lalibarte
TRC Environmental
21 Griffin Rd. North
Windsor, CT 06095
Telephone #: 860-298-9692
Project Mgr. Henry Lalibarte

Invoice To: (same as Report)
P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710
Site Name: ~~CT~~ ConnDOT-BIA-IAB
Location: Windsor Locks State: CT
Sampler(s): G. Raczynski / M. Kostrba

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Brick X2= Concrete X3=

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: 8082/3540C

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C	State-specific reporting standards:
75253-01	IB-C3-Br1-0"	8/12/13	1207	G	X1			X		X	NW
02	IB-C3-Br2-0"	↓	1515							X	NE
03	IB-C3-Br3-0"	8/13/13	1144							X	SE
04	IB-C3-Br4-0"		1330							X	Hall 8
05	IB-C3-Br5-0"		1342							X	Baggage Claim 4
06	IB-C3-Br6-0"	↓	1403							X	TSA Hall
07	IB-C1	8/12/13	0905		X2					X	NW
08	IB-C2		0909							X	
09	IB-C3		0913							X	
10	IB-C4		0914							X	

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	[signature]	8/19/13	16:30	

☐ EDD Format
☒ E-mail to HLalibarte@TRCsolutions.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

23/-1/13 IR 02

SB 75253 + SB 75258

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CHAIN OF CUSTODY RECORD

Page 2 of 13

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 days
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710

Site Name: ConnDOT-8IA-IAB

Location: Windsor Locks State: CT

Sampler(s): G. Kaczynski / M. Kostek

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= concrete X2= X3=

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: 8082/3540C

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C							State-specific reporting standards:
75253-11	TB-C5	8/12/13	0925	G	X1			X		X							NW
12	-C6		0930														
13	-C7		0932														
14	-C8		0935														
15	-C9		0940														
16	-C10		0941														
17	-C11		1020														
18	-C12		1014														
19	-C13		1022														Northeastern
20	-C14		1027														

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Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

2.3/1/13 IR

SB75253 + SB75258

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CHAIN OF CUSTODY RECORD

Page 3 of 13

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 days
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: RQN:

Project No.: 183572.4445.0210

Site Name: ConnDOT - BZA - IAB

Location: Windsor Locks State: CT

Sampler(s): G. Kaczynski / M. Kestden

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= 12=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= X3=

G=Grab C=Composite

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV* ☐ Other

State-specific reporting standards: North-Central

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8021/8540C
75253-21	IB-C15	8/12/13	1032	G	X1			X		X
22	-C16		1040							
23	-C17		1043							
24	-C18		1055							
25	-C19		1100							
26	-C20		1105							
27	-C21		1140							
28	-C22		1142							
29	-C23		1148							
30	-C24		1152							

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	[signature]	8/16/13	1620	
23/1-1/13 IR02				

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Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SB 75253 + SB 75258 BM

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CHAIN OF CUSTODY RECORD

Page 4 of 13

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day
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- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: RQN:

Project No.: 183572.4445.0710

Site Name: ConnDOT-BIA-IAB

Location: Windsor Locks State: CT

Sampler(s): G. Kaczynski / M. Kostrba

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Cooler X2= X3=

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: 8082/3540C

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards: North Central NE

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C
753531	IB-C25	8/12/13	1155	G	X1			X		X
32	-C26		1157							
33	-C27		1201							
34	-C28		1350							
35	-C29		1358							
36	-C30		1404							
37	-C31		1428							
38	-C32		1432							
39	-C33		1450							
40	-C34		1455							

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☐ EDD Format
☐ E-mail to

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

23/1/13 IR

SB 75253-1 SB 75258 Fry

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CHAIN OF CUSTODY RECORD

Page 5 of 13

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710

Site Name: ConnDOT-BIA-IAB

Location: Windsor Locks State: CT

Sampler(s): G. Kaczynski / M. Kostik

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= 12=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= X3=

G=Grab C=Composite

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8082/3540C	State-specific reporting standards:
75253-41	IB-C35	8/12/13	1518	G	X1			X		X	NE
42	-C36		1523								
43	-C37		1528								
44	-C38		1533								
45	-C39	8/13/13	0938								
46	-C40		0935								East
47	-C41		1140								
48	-C42		1146								SE
49	-C43		1150								
50	-C44		1154								

Relinquished by:	Received by:	Date:	Time:	Temp°C
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	[signature]	8/19/13	1620	

☐ EDD Format
☐ E-mail to

Condition upon receipt: / Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

23/1/13 IR02

SB75253 + SB75258 By

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 6 of ____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710

Site Name: Conn DOT - RIA - TAB

Location: Windsor Locks State: CT

Sampler(s): [illegible] / M. Kostek

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= ____ 12= ____

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= ____ X3= ____

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: 8082/3540C

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other ____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C	State-specific reporting standards:
75253-51	IB-C45	8/13/13	1158	G	X1			X		X	SE
52	-C46		1202								
53	-C47		1206								
54	-C48		1210								
55	-C49		1217								South Central
56	-C50		1452								
57	-C51		1455								South West
58	-C52		1500								
59	-C53		1503								
60	-C54		1515								

Relinquished by:	Received by:	Date:	Time:	Temp°C
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[signature]	[signature]	8-19-13	16:20	

☐ EDD Format ____

☐ E-mail to ____

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

23/-1/13 IR 02

SB75253 + SB75258 By

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 7 of 13

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: C183572 RQN:

Project No.: 173572.4445.0710

Site Name: ConnDOT - BIA - IAB

Location: Windsor Locks State: CT

Sampler(s): G. Kaczynski / M Kostuba

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=Concrete X2= Asphalt X3=

G=Grab C=Composite

Containers:

Analyses:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		8082/3540C								
75253-61	IB - C55	8/13/13	1517	G	X1			1			X								
62	- C56		1519																
63	- C57		1521																
64	- C58		1523																
65	- C59		1525																
66	- C60		1527																
67	- C61		1529																
68	- C62		1531																
69	- A1		1204		X2														
70	- A2		1316																

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

SE

North Central

Relinquished by:	Received by:	Date:	Time:	Temp°C
		8/13/13	1645	
		8-19-13	16:20	

☐ EDD Format

☐ E-mail to

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

23/-1/13 IR02

SB75253 + SB75258 Gy

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 8 of 13

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same
Telephone #:
Project Mgr.

Invoice To: Same
P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710
Site Name: ConnDOT-8IA
Location: Windsor Locks State: CT
Sampler(s): G. Kaczynski / M. Kostiuk

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= asphalt X3=

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: 8082/3540C

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐
QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other
State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C	State-specific reporting standards
75253-71	IB-A3	8/12/13	1315	G	X2			1		X	North-central
72	-A4		1320								
73	-A5		1324								
74	-A6		1407								NE
75	-A7		1410								
76	-A8		1413								NE
77	-A9		1418								
78	-A10		1421								
79	-A11		1424								
80	-A12	8/13/13	0944				1				East-4' out

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	8/16/13	1645	
[signature]	[signature]	8-19-13	16:20	

☐ EDD Format
☐ E-mail to

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

2.3/-1/13 IR 02

SB75253 + SB75258 BY

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CHAIN OF CUSTODY RECORD

Page 9 of 13

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 days
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710

Site Name: ConnDOT - BIA - IAB

Location: Windsor Locks State: CT

Sampler(s): G. Kaczynski / M. Kostka

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= asphalt X3= Brick

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: 8082/3540C

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses	State-specific reporting standards
75253-81	IB-A13	8/13/13	0946	G	X2		1			8082/3540C	East-4' out
82	-A14		0948								
83	-A15		0950								
84	-A16		0952					1			
85	-A17		0954				1				
86	-A18		0956								End-7' out
87	-A19		0958								
88	-A20		1000					1			
89	-A21		1002					1			
90	-CYB-Brick-0"		1452		X3			1			South central

Relinquished by:	Received by:	Date:	Time:	Temp°C
		8/13/13	1645	
		8-19-13	16:20	

☐ EDD Format
☐ E-mail to

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

2.3/-1/13 IR

SB75253 + SB75258 9

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CHAIN OF CUSTODY RECORD

Page 10 of 13

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710

Site Name: ConDOT-BIA-IA8

Location: Windsor Locks State: CT

Sampler(s): G. Kaczynski / M. Kostrub

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= concrete X2= X3= Brick

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: TOC/3540							State-specific reporting standards:
75253-91	IB-C48-Bo1-3"	8/13/13	1448	G	X3			1		X							South Central
92	IB-C2-CM1-0"		1111		X1												Bag 1 - center
93	- -CM1-3"		1109														↓ ↓
94	- -CM2-0"		1112														Bag 1 - corner
95	- -CM2-3"		1110														↓ ↓
96	- -CO1-0"	8/12/13	1052														NW - Ground
97	- -CO1-3"		1048														↓ ↓
98	- -CO2-0"		1128														NW - column
99	- -CO2-3"		1124														↓ ↓
75258-01	- -CO3-0"		1347														Northcentral - column

Relinquished by:	Received by:	Date:	Time:	Temp°C
		8/13/13	1445	
		8/14/13	1630	

☐ EDD Format

☐ E-mail to

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

23/1/1.3 IR02

SB75253 + SB75258 [illegible]

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CHAIN OF CUSTODY RECORD

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710

Site Name: ConnDOT-BIA-IAB

Location: Windsor Locks State: CT

Sampler(s): G. Kaczynski / M. Kostrba

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= concrete X2= X3= Brick

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: 8082/3546

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3546	State-specific reporting standards:
75253-91	IB-C4B-B01-3"	8/13/13	1448	G	X3			1		X	South Central
92	IB-C2-CM1-0"		1111		X1						Bay 1 - center
93	- -CM1-3"		1109								↓ ↓
94	- -CM2-0"		1112								Bay 1 - corner
95	- -CM2-3"		1110								↓ ↓
96	- -CO1-0"	8/12/13	1052								NW - Crowd
97	- -CO1-3"		1048								↓ ↓
98	- -CO2-0"		1128								NW - column
99	- -CO2-3"		1124								↓ ↓
75258-01	- -CO3-0"		1347								North central - column

Relinquished by:	Received by:	Date:	Time:	Temp°C
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[signature]	[signature]	8/13/13	1620	

☐ EDD Format
☐ E-mail to

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

23 / 1 / 1.3 IR02

SB 75253 + SB 75258 Dy

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CHAIN OF CUSTODY RECORD

Page 11 of 13

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☑ Rush TAT - Date Needed: 5 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710

Site Name: ConnDOT-BLA-IAB

Location: Windsor Locks State: CT

Sampler(s): G. Kaczynski / M. Kostuba

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= concrete X2= X3=

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: VOC/8260/8540C

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☑ No☐

QA/QC Reporting Level
☑ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOC/8260/8540C	State-specific reporting standards:
75258 02	IB-CZ-C03-3"	8/12/13	1343	G	X1			1		X	North control column
03	–	-C04-0"	8/12/13								NE-ground
04	–	-C04-3"	⊥								⊥ ⊥
05	–	-C05-0"	8/13/13								NE-(column stone)
06	–	-C05-3"	⊥								⊥ ⊥ ⊥
07	–	-C06-0"									East-Ground
08	–	-C06-3"	⊥								⊥ ⊥

Relinquished by:	Received by:	Date:	Time:	Temp°C
		8/16/13	1645	
		8/19/13	1620	
2.3/.1/13	R02			

☐ EDD Format
☐ E-mail to

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☑ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Do Not analyze samples on pages 12 & 13 of COC w/o Authorization

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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 12 of 13 SB75253 + SB75258 Pg

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 days
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710

Site Name: ConDOT-BIA-IAB

Location: Windsor Locks State CT

Sampler(s): G. Kurzynski / M. Rostron

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= X3=

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: 8082/3540C

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses	State-specific reporting standards
75258.09	IB-C2-C01-6"	8/12/13	1044	G	X1			1		K	NN-ground
10	IB-C2-C01-12"		1040								
11	IB-C2-C02-6"		1120								— column
12	IB-C2-C02-12"		1115								
13	IB-C2-C03-6"		1337								Northeast — column
14	IB-C2-C03-12"		1333								
15	— — C04-6"		1505								NE-ground
16	— — C04-12"		1500								
17	— — C05-6"	8/13/13	0912								NE-column (stone)
18	— — C05-12"	8/13/13	0907								

Relinquished by:	Received by:	Date:	Time:	Temp°C
		8/16/13	1645	
		8/19/13	16:20	

☐ EDD Format
☐ E-mail to

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

23/-1/13 IR 00

Do Not analyze samples on pages 12+13 w/o prior Authorization

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 13 of 13 SB75253 + 75258 Dry

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: (Same)
Telephone #:
Project Mgr.

Invoice To: Same
P.O. No.: 183572 RQN:

Project No.: 183572.4445.0710
Site Name: ConnDOT-BIA-IAB
Location: Windsor Locks State: CT
Sampler(s): G. Kaczynski/M. Kastka

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= X3= brick

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: SVOC/8540C

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	SVOC/8540C	State-specific reporting standards:
75258-19	IB-C2-CO6-6"	8/13/13	1000	G	X1		1			X	East-Grand
20	-1-CO6-12"		0955		1		1				1 1
21	-C4-Br1-6"		1444		X3			1			South Central
22	-1-Br1-12"		1440		1			1			1
23	-C4-CM1-6"		1107		X1			1			Bay 1-center
24	-4-CM1-12"		1105								1 1
25	-4-CM2-6"		1108								Bay 1-corner
26	-4-CM2-12"		1106								1 1

Relinquished by:	Received by:	Date:	Time:	Temp°C
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	[signature]	8-19-13	16:20	

☐ EDD Format
☐ E-mail to

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

23/-1/13 IR

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11 Almgren Drive
Agawam, MA 01001
(413) 789-9018

This preceding chain of custody has been amended to include the client requested additional analyses as noted below:

Laboratory ID	*Client ID*	*Analysis*	*Added*
SB75258-17	IB-C2-C05-6"	Polychlorinated Biphenyls	8/26/2013
SB75258-17	IB-C2-C05-6"	Solids, Percent	8/26/2013
SB75258-18	IB-C2-C05-12"	Polychlorinated Biphenyls	8/26/2013
SB75258-18	IB-C2-C05-12"	Solids, Percent	8/26/2013
SB75258-21	IB-C4B-Br1-6"	Polychlorinated Biphenyls	8/26/2013
SB75258-21	IB-C4B-Br1-6"	Solids, Percent	8/26/2013
SB75258-22	IB-C4B-Br1-12"	Polychlorinated Biphenyls	8/26/2013
SB75258-22	IB-C4B-Br1-12"	Solids, Percent	8/26/2013
SB75258-23	IB-C2-CM1-6"	Polychlorinated Biphenyls	8/26/2013
SB75258-23	IB-C2-CM1-6"	Solids, Percent	8/26/2013
SB75258-24	IB-C2-CM1-12"	Polychlorinated Biphenyls	8/26/2013
SB75258-24	IB-C2-CM1-12"	Solids, Percent	8/26/2013
SB75258-25	IB-C2-CM2-6"	Polychlorinated Biphenyls	8/26/2013
SB75258-25	IB-C2-CM2-6"	Solids, Percent	8/26/2013
SB75258-26	IB-C2-CM2-12"	Polychlorinated Biphenyls	8/26/2013
SB75258-26	IB-C2-CM2-12"	Solids, Percent	8/26/2013

Report Date:
27-Aug-13 18:07

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Laboratory Report

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

#2 IAB + 30 blks

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: Bradley International Airport-Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB75393-01	IB-C3-C01-0"	Concrete	16-Aug-13 09:19	20-Aug-13 16:20
SB75393-02	IB-C3-C02-0"	Concrete	16-Aug-13 09:31	20-Aug-13 16:20
SB75393-03	IB-GR1	Concrete	16-Aug-13 09:42	20-Aug-13 16:20
SB75393-04	IB-GR2	Concrete	16-Aug-13 09:44	20-Aug-13 16:20
SB75393-05	IB-GR3	Concrete	16-Aug-13 09:50	20-Aug-13 16:20
SB75393-06	IB-GR4	Concrete	16-Aug-13 09:52	20-Aug-13 16:20
SB75393-07	IB-GR5	Concrete	16-Aug-13 09:59	20-Aug-13 16:20
SB75393-08	IB-GR6	Concrete	16-Aug-13 10:03	20-Aug-13 16:20
SB75393-09	IB-GR7	Concrete	16-Aug-13 10:08	20-Aug-13 16:20
SB75393-10	IB-GR8	Concrete	16-Aug-13 10:12	20-Aug-13 16:20
SB75393-11	IB-GR9	Concrete	16-Aug-13 10:15	20-Aug-13 16:20
SB75393-12	IB-GR10	Concrete	16-Aug-13 10:19	20-Aug-13 16:20
SB75393-13	IB-GR14	Concrete	16-Aug-13 10:58	20-Aug-13 16:20
SB75393-14	IB-GR13	Concrete	16-Aug-13 11:02	20-Aug-13 16:20
SB75393-15	IB-GR12	Concrete	16-Aug-13 11:05	20-Aug-13 16:20
SB75393-16	IB-GR11	Concrete	16-Aug-13 11:10	20-Aug-13 16:20
SB75393-17	IB-C3-C03-0"	Concrete	16-Aug-13 11:17	20-Aug-13 16:20
SB75393-18	IB-C2-GR1-3"	Concrete	16-Aug-13 11:36	20-Aug-13 16:20
SB75393-19	IB-C2-GR1-0"	Concrete	16-Aug-13 11:38	20-Aug-13 16:20
SB75393-20	IB-C2-GR2-3"	Concrete	16-Aug-13 12:07	20-Aug-13 16:20
SB75393-21	IB-C2-GR2-0"	Concrete	16-Aug-13 12:10	20-Aug-13 16:20
SB75393-22	IB-C2-C07-3"	Concrete	16-Aug-13 13:50	20-Aug-13 16:20
SB75393-23	IB-C2-C07-0"	Concrete	16-Aug-13 13:55	20-Aug-13 16:20
SB75393-24	IB-C2-C08-3"	Concrete	16-Aug-13 14:06	20-Aug-13 16:20
SB75393-25	IB-C2-C08-0"	Concrete	16-Aug-13 14:09	20-Aug-13 16:20
SB75393-26	IB-C2-C09-3"	Concrete	16-Aug-13 14:23	20-Aug-13 16:20
SB75393-27	IB-C2-C09-0"	Concrete	16-Aug-13 14:25	20-Aug-13 16:20
SB75393-28	IB-C2-C010-3"	Concrete	16-Aug-13 15:09	20-Aug-13 16:20
SB75393-29	IB-C2-C010-0"	Concrete	16-Aug-13 15:13	20-Aug-13 16:20
SB75393-30	IB-C2-C011-3"	Concrete	16-Aug-13 15:19	20-Aug-13 16:20
SB75393-31	IB-C2-C011-0"	Concrete	16-Aug-13 15:22	20-Aug-13 16:20
SB75393-32	IB-C2-C012-3"	Concrete	16-Aug-13 15:30	20-Aug-13 16:20
SB75393-33	IB-C2-C012-0"	Concrete	16-Aug-13 15:34	20-Aug-13 16:20
SB75393-34	Drill Bit Decon	Hexane	16-Aug-13 15:40	20-Aug-13 16:20
SB75393-35	IB-C2-C013-3"	Concrete	19-Aug-13 09:47	20-Aug-13 16:20
SB75393-36	IB-C2-C013-0"	Concrete	19-Aug-13 09:52	20-Aug-13 16:20
SB75393-37	IB-C2-Br2-3"	Concrete	19-Aug-13 10:07	20-Aug-13 16:20

SB75393-38	IB-C2-Br2-0"	Concrete	19-Aug-13 10:14	20-Aug-13 16:20
SB75393-39	IB-C2-C014-3"	Concrete	19-Aug-13 10:29	20-Aug-13 16:20
SB75393-40	IB-C2-C014-0"	Concrete	19-Aug-13 10:34	20-Aug-13 16:20
SB75393-41	IB-C2-C015-3"	Concrete	19-Aug-13 10:52	20-Aug-13 16:20
SB75393-42	IB-C2-C015-0"	Concrete	19-Aug-13 10:56	20-Aug-13 16:20
SB75393-43	IB-C2-C016-3"	Concrete	19-Aug-13 11:09	20-Aug-13 16:20
SB75393-44	IB-C2-C016-0"	Concrete	19-Aug-13 11:12	20-Aug-13 16:20
SB75393-45	IB-C2-GR1-12"	Concrete	16-Aug-13 11:30	20-Aug-13 16:20
SB75393-46	IB-C2-GR1-6"	Concrete	16-Aug-13 11:34	20-Aug-13 16:20
SB75393-47	IB-C2-GR2-12"	Concrete	16-Aug-13 12:00	20-Aug-13 16:20
SB75393-48	IB-C2-GR2-6"	Concrete	16-Aug-13 12:04	20-Aug-13 16:20
SB75393-49	IB-C2-C07-12"	Concrete	16-Aug-13 13:40	20-Aug-13 16:20
SB75393-50	IB-C2-C07-6"	Concrete	16-Aug-13 13:45	20-Aug-13 16:20
SB75393-51	IB-C2-C08-12"	Concrete	16-Aug-13 14:00	20-Aug-13 16:20
SB75393-52	IB-C2-C08-6"	Concrete	16-Aug-13 14:03	20-Aug-13 16:20
SB75393-53	IB-C2-C09-12"	Concrete	16-Aug-13 14:15	20-Aug-13 16:20
SB75393-54	IB-C2-C09-6"	Concrete	16-Aug-13 14:20	20-Aug-13 16:20
SB75393-55	IB-C2-C010-12"	Concrete	16-Aug-13 15:00	20-Aug-13 16:20
SB75393-56	IB-C2-C010-6"	Concrete	16-Aug-13 15:03	20-Aug-13 16:20
SB75393-57	IB-C2-C011-12"	Concrete	16-Aug-13 15:12	20-Aug-13 16:20
SB75393-58	IB-C2-C011-6"	Concrete	16-Aug-13 15:17	20-Aug-13 16:20
SB75393-59	IB-C2-C012-12"	Concrete	16-Aug-13 15:25	20-Aug-13 16:20
SB75393-60	IB-C2-C012-6"	Concrete	16-Aug-13 15:27	20-Aug-13 16:20
SB75393-61	IB-C2-C013-12"	Concrete	19-Aug-13 09:39	20-Aug-13 16:20
SB75393-62	IB-C2-C013-6"	Concrete	19-Aug-13 09:43	20-Aug-13 16:20
SB75393-63	IB-C2-Br2-12"	Concrete	19-Aug-13 09:59	20-Aug-13 16:20
SB75393-64	IB-C2-Br2-6"	Concrete	19-Aug-13 10:03	20-Aug-13 16:20
SB75393-65	IB-C2-C014-12"	Concrete	19-Aug-13 10:20	20-Aug-13 16:20
SB75393-66	IB-C2-C014-6"	Concrete	19-Aug-13 10:25	20-Aug-13 16:20
SB75393-67	IB-C2-C015-12"	Concrete	19-Aug-13 10:44	20-Aug-13 16:20
SB75393-68	IB-C2-C015-6"	Concrete	19-Aug-13 10:48	20-Aug-13 16:20
SB75393-69	IB-C2-C016-12"	Concrete	19-Aug-13 11:00	20-Aug-13 16:20
SB75393-70	IB-C2-C016-6"	Concrete	19-Aug-13 11:04	20-Aug-13 16:20
SB75393-71	1-IA8	Caulk	16-Aug-13 09:07	20-Aug-13 16:20
SB75393-72	2-IA8	Caulk	16-Aug-13 09:13	20-Aug-13 16:20
SB75393-73	3-MT	Caulk	16-Aug-13 08:55	20-Aug-13 16:20

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 62 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Bradley International Airport-Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
8/16/2013 through 8/19/2013

Laboratory Sample ID(s):
SB75393-01 through SB75393-73

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Nicole Leja

Nicole Leja
Laboratory Director
Date: 8/27/2013

CASE NARRATIVE:

The samples were received 1.1 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.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Spikes:

1320213-MSD1 *Source: SB75393-23*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr)

Duplicates:

1320213-DUP1 *Source: SB75393-23*

Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.

Aroclor-1254
Aroclor-1254 [2C]

Samples:

SB75393-01 *IB-C3-C01-0"*

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

Decachlorobiphenyl (Sr)

SB75393-08 *IB-GR6*

SW846 8082A

Samples:

SB75393-08 *IB-GR6*

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

Decachlorobiphenyl (Sr)

SB75393-09 *IB-GR7*

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

Decachlorobiphenyl (Sr)

SB75393-31 *IB-C2-C011-0"*

Difference between the two GC columns is greater than 40%.

Aroclor-1254 [2C]

SB75393-34 *Drill Bit Decon*

Elevated Reporting Limits due to limited sample volume.

SB75393-38 *IB-C2-Br2-0"*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB75393-40 *IB-C2-C014-0"*

Difference between the two GC columns is greater than 40%.

Aroclor-1260 [2C]

SB75393-42 *IB-C2-C015-0"*

Difference between the two GC columns is greater than 40%.

Aroclor-1260 [2C]

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SB75393-44 *IB-C2-C016-0"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SB75393-73 *3-MT*

Difference between the two GC columns is greater than 40%.

Aroclor-1260 [2C]

SW846 8082A

Samples:

SB75393-73 *3-MT*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

Sample Acceptance Check Form

Client:	TRC - Windsor, CT
Project:	Bradley International Airport-Windsor Locks, CT / 183572.4445.0710
Work Order:	SB75393
Sample(s) received on:	8/20/2013
Received by:	Tanya Krivolenko

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
1. Were custody seals present?	☐	☑	☐
2. Were custody seals intact?	☐	☐	☑
3. Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
4. Were samples cooled on ice upon transfer to laboratory representative?	☐	☑	☐
5. Were samples refrigerated upon transfer to laboratory representative?	☑	☐	☐
6. Were sample containers received intact?	☑	☐	☐
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
8. Were samples accompanied by a Chain of Custody document?	☑	☐	☐
9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☑	☐	☐
10. Did sample container labels agree with Chain of Custody document?	☑	☐	☐
11. Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C3-C01-0" SB76393-01	183572.4445.0710	Concrete	16-Aug-13 09:19	20-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.8		µg/kg dry	66.8	49.9	1	SW846 8082A	22-Aug-13	24-Aug-13	IMR	1320212	X
11104-28-2	Aroclor-1221	< 66.8		µg/kg dry	66.8	60.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.8		µg/kg dry	66.8	42.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.8		µg/kg dry	66.8	40.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.8		µg/kg dry	66.8	34.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	567		µg/kg dry	66.8	55.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.8		µg/kg dry	66.8	41.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.8		µg/kg dry	66.8	62.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.8		µg/kg dry	66.8	27.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*170*	SGC		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1B-C3-C02-0"	183572.4445.0710	Concrete	16-Aug-13 09:31	20-Aug-13
SB75393-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.6		µg/kg dry	59.6	44.5	1	SW846 8082A	22-Aug-13	24-Aug-13	IMR	1320212	X
11104-28-2	Aroclor-1221	< 59.6		µg/kg dry	59.6	53.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.6		µg/kg dry	59.6	38.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.6		µg/kg dry	59.6	35.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.6		µg/kg dry	59.6	31.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**516**		µg/kg dry	59.6	49.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.6		µg/kg dry	59.6	37.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.6		µg/kg dry	59.6	55.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.6		µg/kg dry	59.6	24.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-GR1	183572.4445.0710	Concrete	16-Aug-13 09:42	20-Aug-13
SB75393-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 68.3		µg/kg dry	68.3	51.0	1	SW846 8082A	22-Aug-13	24-Aug-13	IMR	1320212	X
11104-28-2	Aroclor-1221	< 68.3		µg/kg dry	68.3	61.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 68.3		µg/kg dry	68.3	43.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 68.3		µg/kg dry	68.3	41.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 68.3		µg/kg dry	68.3	35.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 68.3		µg/kg dry	68.3	56.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 68.3		µg/kg dry	68.3	42.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 68.3		µg/kg dry	68.3	63.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 68.3		µg/kg dry	68.3	28.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	95.9		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-GR2				
SB75393-04	183572.4445.0710	Concrete	16-Aug-13 09:44	20-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.4		µg/kg dry	63.4	47.4	1	SW846 8082A	22-Aug-13	24-Aug-13	IMR	1320212	X
11104-28-2	Aroclor-1221	< 63.4		µg/kg dry	63.4	57.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.4		µg/kg dry	63.4	40.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.4		µg/kg dry	63.4	38.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.4		µg/kg dry	63.4	33.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.4		µg/kg dry	63.4	52.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.4		µg/kg dry	63.4	39.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.4		µg/kg dry	63.4	59.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.4		µg/kg dry	63.4	26.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	95.4		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-GR3	183572.4445.0710	Concrete	16-Aug-13 09:50	20-Aug-13
[illegible]5393-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.0		µg/kg dry	64.0	47.8	1	SW846 8082A	22-Aug-13	26-Aug-13	IMR	1320212	X
11104-28-2	Aroclor-1221	< 64.0		µg/kg dry	64.0	57.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.0		µg/kg dry	64.0	41.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.0		µg/kg dry	64.0	38.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.0		µg/kg dry	64.0	33.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.0		µg/kg dry	64.0	53.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.0		µg/kg dry	64.0	39.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.0		µg/kg dry	64.0	59.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.0		µg/kg dry	64.0	26.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.4		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-GR4	183572.4445.0710	Concrete	16-Aug-13 09:52	20-Aug-13
SB75393-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 56.3		µg/kg dry	56.3	42.0	1	SW846 8082A	22-Aug-13	24-Aug-13	IMR	1320212	X
11104-28-2	Aroclor-1221	< 56.3		µg/kg dry	56.3	50.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.3		µg/kg dry	56.3	36.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.3		µg/kg dry	56.3	33.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.3		µg/kg dry	56.3	29.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 56.3		µg/kg dry	56.3	46.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 56.3		µg/kg dry	56.3	34.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.3		µg/kg dry	56.3	52.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.3		µg/kg dry	56.3	23.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.0		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-GR5	183572.4445.0710	Concrete	16-Aug-13 09:59	20-Aug-13
[redacted]393-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 54.7		µg/kg dry	54.7	40.9	1	SW846 8082A	22-Aug-13	24-Aug-13	IMR	1320212	X
11104-28-2	Aroclor-1221	< 54.7		µg/kg dry	54.7	49.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 54.7		µg/kg dry	54.7	35.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.7		µg/kg dry	54.7	32.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 54.7		µg/kg dry	54.7	28.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 54.7		µg/kg dry	54.7	45.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 54.7		µg/kg dry	54.7	33.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 54.7		µg/kg dry	54.7	51.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54.7		µg/kg dry	54.7	22.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*145*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*135*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.9		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-GR6	183572.4445.0710	Concrete	16-Aug-13 10:03	20-Aug-13
SB75393-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.9		µg/kg dry	64.9	48.5	1	SW846 8082A	22-Aug-13	24-Aug-13	IMR	1320212	X
11104-28-2	Aroclor-1221	< 64.9		µg/kg dry	64.9	58.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.9		µg/kg dry	64.9	41.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.9		µg/kg dry	64.9	39.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.9		µg/kg dry	64.9	33.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.9		µg/kg dry	64.9	54.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.9		µg/kg dry	64.9	40.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.9		µg/kg dry	64.9	60.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.9		µg/kg dry	64.9	26.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*160*	SGC		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**97.5**		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-GR7	183572.4445.0710	Concrete	16-Aug-13 10:08	20-Aug-13
[illegible]393-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 67.7		µg/kg dry	67.7	50.5	1	SW846 8082A	22-Aug-13	24-Aug-13	IMR	1320212	X
11104-28-2	Aroclor-1221	< 67.7		µg/kg dry	67.7	61.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 67.7		µg/kg dry	67.7	43.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 67.7		µg/kg dry	67.7	40.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 67.7		µg/kg dry	67.7	35.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 67.7		µg/kg dry	67.7	56.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 67.7		µg/kg dry	67.7	42.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 67.7		µg/kg dry	67.7	63.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 67.7		µg/kg dry	67.7	27.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*170*	SGC		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	92.6		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-GR8	183572.4445.0710	Concrete	16-Aug-13 10:12	20-Aug-13
SB75393-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 68.8		µg/kg dry	68.8	51.4	1	SW846 8082A	22-Aug-13	24-Aug-13	IMR	1320212	X
11104-28-2	Aroclor-1221	< 68.8		µg/kg dry	68.8	62.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 68.8		µg/kg dry	68.8	44.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 68.8		µg/kg dry	68.8	41.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 68.8		µg/kg dry	68.8	35.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 68.8		µg/kg dry	68.8	57.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 68.8		µg/kg dry	68.8	42.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 68.8		µg/kg dry	68.8	64.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 68.8		µg/kg dry	68.8	28.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*135*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	95.7		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-GR9 S[illegible]393-11	183572.4445.0710	Concrete	16-Aug-13 10:15	20-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.3		µg/kg dry	58.3	43.5	1	SW846 8082A	22-Aug-13	24-Aug-13	IMR	1320212	X
11104-28-2	Aroclor-1221	< 58.3		µg/kg dry	58.3	52.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.3		µg/kg dry	58.3	37.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.3		µg/kg dry	58.3	35.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.3		µg/kg dry	58.3	30.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 58.3		µg/kg dry	58.3	48.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.3		µg/kg dry	58.3	36.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.3		µg/kg dry	58.3	54.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.3		µg/kg dry	58.3	24.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.4		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-GR10	183572.4445.0710	Concrete	16-Aug-13 10:19	20-Aug-13
SB75393-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.8		µg/kg dry	59.8	44.7	1	SW846 8082A	22-Aug-13	24-Aug-13	IMR	1320212	X
11104-28-2	Aroclor-1221	< 59.8		µg/kg dry	59.8	53.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.8		µg/kg dry	59.8	38.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.8		µg/kg dry	59.8	36.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.8		µg/kg dry	59.8	31.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 59.8		µg/kg dry	59.8	49.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.8		µg/kg dry	59.8	37.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.8		µg/kg dry	59.8	55.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.8		µg/kg dry	59.8	24.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*135*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.0		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-GR14	183572.4445.0710	Concrete	16-Aug-13 10:58	20-Aug-13
S[illegible]393-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.9		µg/kg dry	62.9	47.0	1	SW846 8082A	22-Aug-13	24-Aug-13	IMR	1320212	X
11104-28-2	Aroclor-1221	< 62.9		µg/kg dry	62.9	56.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.9		µg/kg dry	62.9	40.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.9		µg/kg dry	62.9	37.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.9		µg/kg dry	62.9	32.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.9		µg/kg dry	62.9	52.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.9		µg/kg dry	62.9	39.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.9		µg/kg dry	62.9	58.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.9		µg/kg dry	62.9	25.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*140*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.0		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-GR13	183572.4445.0710	Concrete	16-Aug-13 11:02	20-Aug-13
SB75393-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.7		µg/kg dry	58.7	43.8	1	SW846 8082A	22-Aug-13	24-Aug-13	IMR	1320212	X
11104-28-2	Aroclor-1221	< 58.7		µg/kg dry	58.7	52.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.7		µg/kg dry	58.7	37.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.7		µg/kg dry	58.7	35.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.7		µg/kg dry	58.7	30.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 58.7		µg/kg dry	58.7	48.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.7		µg/kg dry	58.7	36.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.7		µg/kg dry	58.7	54.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.7		µg/kg dry	58.7	24.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	96.9		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-GR12	183572.4445.0710	Concrete	16-Aug-13 11:05	20-Aug-13
S[illegible]5393-15				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.5		µg/kg dry	58.5	43.7	1	SW846 8082A	22-Aug-13	24-Aug-13	IMR	1320212	X
11104-28-2	Aroclor-1221	< 58.5		µg/kg dry	58.5	52.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.5		µg/kg dry	58.5	37.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.5		µg/kg dry	58.5	35.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.5		µg/kg dry	58.5	30.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 58.5		µg/kg dry	58.5	48.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.5		µg/kg dry	58.5	36.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.5		µg/kg dry	58.5	54.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.5		µg/kg dry	58.5	24.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*140*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.4		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-GR11	183572.4445.0710	Concrete	16-Aug-13 11:10	20-Aug-13
SB75393-16				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 56.1		µg/kg dry	56.1	41.9	1	SW846 8082A	22-Aug-13	24-Aug-13	IMR	1320212	X
11104-28-2	Aroclor-1221	< 56.1		µg/kg dry	56.1	50.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.1		µg/kg dry	56.1	36.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.1		µg/kg dry	56.1	33.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.1		µg/kg dry	56.1	29.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 56.1		µg/kg dry	56.1	46.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 56.1		µg/kg dry	56.1	34.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.1		µg/kg dry	56.1	52.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.1		µg/kg dry	56.1	23.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.0		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C3-C03-0"	183572.4445.0710	Concrete	16-Aug-13 11:17	20-Aug-13
SB75393-17				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.9		µg/kg dry	58.9	44.0	1	SW846 8082A	22-Aug-13	24-Aug-13	IMR	1320212	X
11104-28-2	Aroclor-1221	< 58.9		µg/kg dry	58.9	53.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.9		µg/kg dry	58.9	37.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.9		µg/kg dry	58.9	35.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.9		µg/kg dry	58.9	30.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	559		µg/kg dry	58.9	34.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.9		µg/kg dry	58.9	36.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.9		µg/kg dry	58.9	54.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.9		µg/kg dry	58.9	24.3	1	"	"	"	"	"	X
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]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-GR1-3"	183572.4445.0710	Concrete	16-Aug-13 11:36	20-Aug-13
SB75393-18				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.8		µg/kg dry	62.8	46.9	1	SW846 8082A	22-Aug-13	24-Aug-13	IMR	1320212	X
11104-28-2	Aroclor-1221	< 62.8		µg/kg dry	62.8	56.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.8		µg/kg dry	62.8	40.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.8		µg/kg dry	62.8	37.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.8		µg/kg dry	62.8	32.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	355		µg/kg dry	62.8	36.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.8		µg/kg dry	62.8	38.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.8		µg/kg dry	62.8	58.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.8		µg/kg dry	62.8	25.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*140*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.9		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-GR1-0"	183572.4445.0710	Concrete	16-Aug-13 11:38	20-Aug-13
SD55393-19				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 56.3		µg/kg dry	56.3	42.0	1	SW846 8082A	22-Aug-13	24-Aug-13	IMR	1320212	X
11104-28-2	Aroclor-1221	< 56.3		µg/kg dry	56.3	50.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.3		µg/kg dry	56.3	36.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.3		µg/kg dry	56.3	33.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.3		µg/kg dry	56.3	29.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	1,110		µg/kg dry	56.3	32.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 56.3		µg/kg dry	56.3	34.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.3		µg/kg dry	56.3	52.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.3		µg/kg dry	56.3	23.2	1	"	"	"	"	"	X
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)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*135*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-GR2-3" SB75393-20	183572.4445.0710	Concrete	16-Aug-13 12:07	20-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.1		µg/kg dry	66.1	49.4	1	SW846 8082A	22-Aug-13	24-Aug-13	IMR	1320212	X
11104-28-2	Aroclor-1221	< 66.1		µg/kg dry	66.1	59.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.1		µg/kg dry	66.1	42.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.1		µg/kg dry	66.1	39.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.1		µg/kg dry	66.1	34.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	648		µg/kg dry	66.1	38.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.1		µg/kg dry	66.1	41.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.1		µg/kg dry	66.1	61.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.1		µg/kg dry	66.1	27.3	1	"	"	"	"	"	X
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)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320226	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-GR2-0"	183572.4445.0710	Concrete	16-Aug-13 12:10	20-Aug-13
S[illegible]5393-21				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 55.5		µg/kg dry	55.5	41.5	1	SW846 8082A	22-Aug-13	24-Aug-13	BLM	1320213	X
11104-28-2	Aroclor-1221	< 55.5		µg/kg dry	55.5	50.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.5		µg/kg dry	55.5	35.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.5		µg/kg dry	55.5	33.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.5		µg/kg dry	55.5	28.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,760		µg/kg dry	55.5	46.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 55.5		µg/kg dry	55.5	34.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 55.5		µg/kg dry	55.5	51.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 55.5		µg/kg dry	55.5	22.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320227	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C07-3"	183572.4445.0710	Concrete	16-Aug-13 13:50	20-Aug-13
SB75393-22				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.7		µg/kg dry	65.7	49.1	1	SW846 8082A	22-Aug-13	24-Aug-13	BLM	1320213	X
11104-28-2	Aroclor-1221	< 65.7		µg/kg dry	65.7	59.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.7		µg/kg dry	65.7	42.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.7		µg/kg dry	65.7	39.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.7		µg/kg dry	65.7	34.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	154		µg/kg dry	65.7	54.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.7		µg/kg dry	65.7	40.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.7		µg/kg dry	65.7	61.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.7		µg/kg dry	65.7	27.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320227	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C07-0"	183572.4445.0710	Concrete	16-Aug-13 13:55	20-Aug-13
S[illegible]393-23				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.2		µg/kg dry	60.2	45.0	1	SW846 8082A	22-Aug-13	24-Aug-13	BLM	1320213	X
11104-28-2	Aroclor-1221	< 60.2		µg/kg dry	60.2	54.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.2		µg/kg dry	60.2	38.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.2		µg/kg dry	60.2	36.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.2		µg/kg dry	60.2	31.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	250		µg/kg dry	60.2	50.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.2		µg/kg dry	60.2	37.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.2		µg/kg dry	60.2	56.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.2		µg/kg dry	60.2	24.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320227	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C08-3"	183572.4445.0710	Concrete	16-Aug-13 14:06	20-Aug-13
SB75393-24				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.6		µg/kg dry	57.6	43.1	1	SW846 8082A	22-Aug-13	24-Aug-13	BLM	1320213	X
11104-28-2	Aroclor-1221	< 57.6		µg/kg dry	57.6	51.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.6		µg/kg dry	57.6	37.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.6		µg/kg dry	57.6	34.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.6		µg/kg dry	57.6	30.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**207**		µg/kg dry	57.6	48.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.6		µg/kg dry	57.6	35.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.6		µg/kg dry	57.6	53.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.6		µg/kg dry	57.6	23.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*145*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**99.4**		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320227	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C08-0"	183572.4445.0710	Concrete	16-Aug-13 14:09	20-Aug-13
[illegible]393-25				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.6		µg/kg dry	63.6	47.5	1	SW846 8082A	22-Aug-13	24-Aug-13	BLM	1320213	X
11104-28-2	Aroclor-1221	< 63.6		µg/kg dry	63.6	57.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.6		µg/kg dry	63.6	40.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.6		µg/kg dry	63.6	38.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.6		µg/kg dry	63.6	33.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	480		µg/kg dry	63.6	53.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.6		µg/kg dry	63.6	39.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.6		µg/kg dry	63.6	59.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.6		µg/kg dry	63.6	26.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*145*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320227	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C09-3"	183572.4445.0710	Concrete	16-Aug-13 14:23	20-Aug-13
SB75393-26				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.7		µg/kg dry	61.7	46.1	1	SW846 8082A	22-Aug-13	24-Aug-13	BLM	1320213	X
11104-28-2	Aroclor-1221	< 61.7		µg/kg dry	61.7	55.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.7		µg/kg dry	61.7	39.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.7		µg/kg dry	61.7	37.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.7		µg/kg dry	61.7	32.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	**253**		µg/kg dry	61.7	51.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.7		µg/kg dry	61.7	38.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.7		µg/kg dry	61.7	57.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.7		µg/kg dry	61.7	25.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320227	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C09-0"	183572.4445.0710	Concrete	16-Aug-13 14:25	20-Aug-13
SB75393-27				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.8		µg/kg dry	66.8	49.9	1	SW846 8082A	22-Aug-13	24-Aug-13	BLM	1320213	X
11104-28-2	Aroclor-1221	< 66.8		µg/kg dry	66.8	60.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.8		µg/kg dry	66.8	42.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.8		µg/kg dry	66.8	40.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.8		µg/kg dry	66.8	34.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,850		µg/kg dry	66.8	55.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.8		µg/kg dry	66.8	41.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.8		µg/kg dry	66.8	62.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.8		µg/kg dry	66.8	27.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*145*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320227	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C010-3"	183572.4445.0710	Concrete	16-Aug-13 15:09	20-Aug-13
SB75393-28				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 52.4		µg/kg dry	52.4	39.1	1	SW846 8082A	22-Aug-13	25-Aug-13	BLM	1320213	X
11104-28-2	Aroclor-1221	< 52.4		µg/kg dry	52.4	47.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 52.4		µg/kg dry	52.4	33.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 52.4		µg/kg dry	52.4	31.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 52.4		µg/kg dry	52.4	27.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	202		µg/kg dry	52.4	43.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 52.4		µg/kg dry	52.4	32.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 52.4		µg/kg dry	52.4	48.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 52.4		µg/kg dry	52.4	21.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320227	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C010-0"	183572.4445.0710	Concrete	16-Aug-13 15:13	20-Aug-13
SB75393-29				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.9		µg/kg dry	57.9	43.2	1	SW846 8082A	22-Aug-13	25-Aug-13	BLM	1320213	X
11104-28-2	Aroclor-1221	< 57.9		µg/kg dry	57.9	52.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.9		µg/kg dry	57.9	37.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.9		µg/kg dry	57.9	34.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.9		µg/kg dry	57.9	30.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	116		µg/kg dry	57.9	33.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.9		µg/kg dry	57.9	35.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.9		µg/kg dry	57.9	53.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.9		µg/kg dry	57.9	23.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320227	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C011-3"	183572.4445.0710	Concrete	16-Aug-13 15:19	20-Aug-13
SB75393-30				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.3		µg/kg dry	59.3	44.3	1	SW846 8082A	22-Aug-13	25-Aug-13	BLM	1320213	X
11104-28-2	Aroclor-1221	< 59.3		µg/kg dry	59.3	53.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.3		µg/kg dry	59.3	38.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.3		µg/kg dry	59.3	35.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.3		µg/kg dry	59.3	30.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	113		µg/kg dry	59.3	34.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.3		µg/kg dry	59.3	36.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.3		µg/kg dry	59.3	55.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.3		µg/kg dry	59.3	24.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320227	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C011-0"	183572.4445.0710	Concrete	16-Aug-13 15:22	20-Aug-13
S[illegible]93-31				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.2		µg/kg dry	59.2	44.2	1	SW846 8082A	22-Aug-13	25-Aug-13	BLM	1320213	X
11104-28-2	Aroclor-1221	< 59.2		µg/kg dry	59.2	53.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.2		µg/kg dry	59.2	38.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.2		µg/kg dry	59.2	35.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.2		µg/kg dry	59.2	30.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	85.8	P	µg/kg dry	59.2	34.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.2		µg/kg dry	59.2	36.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.2		µg/kg dry	59.2	55.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.2		µg/kg dry	59.2	24.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320227	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C012-3"	183572.4445.0710	Concrete	16-Aug-13 15:30	20-Aug-13
SB75393-32				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.9		µg/kg dry	65.9	49.2	1	SW846 8082A	22-Aug-13	25-Aug-13	BLM	1320213	X
11104-28-2	Aroclor-1221	< 65.9		µg/kg dry	65.9	59.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.9		µg/kg dry	65.9	42.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.9		µg/kg dry	65.9	39.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.9		µg/kg dry	65.9	34.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	95.5		µg/kg dry	65.9	38.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.9		µg/kg dry	65.9	40.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.9		µg/kg dry	65.9	61.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.9		µg/kg dry	65.9	27.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*140*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320227	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C012-0"	183572.4445.0710	Concrete	16-Aug-13 15:34	20-Aug-13
SD75393-33				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 52.1		µg/kg dry	52.1	39.0	1	SW846 8082A	22-Aug-13	25-Aug-13	BLM	1320213	X
11104-28-2	Aroclor-1221	< 52.1		µg/kg dry	52.1	47.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 52.1		µg/kg dry	52.1	33.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 52.1		µg/kg dry	52.1	31.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 52.1		µg/kg dry	52.1	27.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	117		µg/kg dry	52.1	43.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 52.1		µg/kg dry	52.1	32.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 52.1		µg/kg dry	52.1	48.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 52.1		µg/kg dry	52.1	21.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320227	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Drill Bit Decon	183572.4445.0710	Hexane	16-Aug-13 15:40	20-Aug-13
SB75393-34				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			R02										
Prepared by method SW846 3510C													
12674-11-2	Aroclor-1016	< 0.606		µg/l	0.606	0.223	1	SW846 8082A	22-Aug-13	26-Aug-13	IMR	1320205	X
11104-28-2	Aroclor-1221	< 0.606		µg/l	0.606	0.384	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 0.606		µg/l	0.606	0.314	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 0.606		µg/l	0.606	0.362	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 0.606		µg/l	0.606	0.315	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 0.606		µg/l	0.606	0.396	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 0.606		µg/l	0.606	0.332	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 0.606		µg/l	0.606	0.418	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 0.606		µg/l	0.606	0.250	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*135*			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C013-3"	183572.4445.0710	Concrete	19-Aug-13 09:47	20-Aug-13
[redacted]393-35				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 51.4		µg/kg dry	51.4	38.4	1	SW846 8082A	22-Aug-13	25-Aug-13	BLM	1320213	X
11104-28-2	Aroclor-1221	< 51.4		µg/kg dry	51.4	46.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 51.4		µg/kg dry	51.4	33.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 51.4		µg/kg dry	51.4	30.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 51.4		µg/kg dry	51.4	26.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 51.4		µg/kg dry	51.4	42.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 51.4		µg/kg dry	51.4	31.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 51.4		µg/kg dry	51.4	47.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 51.4		µg/kg dry	51.4	21.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320227	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C013-0"	183572.4445.0710	Concrete	19-Aug-13 09:52	20-Aug-13
SB75393-36				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.3		µg/kg dry	59.3	44.3	1	SW846 8082A	22-Aug-13	25-Aug-13	BLM	1320213	X
11104-28-2	Aroclor-1221	< 59.3		µg/kg dry	59.3	53.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.3		µg/kg dry	59.3	38.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.3		µg/kg dry	59.3	35.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.3		µg/kg dry	59.3	30.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	775		µg/kg dry	59.3	34.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	202		µg/kg dry	59.3	36.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.3		µg/kg dry	59.3	55.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.3		µg/kg dry	59.3	24.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*140*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.7		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320227	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-Br2-3"	183572.4445.0710	Concrete	19-Aug-13 10:07	20-Aug-13
S[illegible]5393-37				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 51.8		µg/kg dry	51.8	38.7	1	SW846 8082A	22-Aug-13	25-Aug-13	BLM	1320213	X
11104-28-2	Aroclor-1221	< 51.8		µg/kg dry	51.8	46.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 51.8		µg/kg dry	51.8	33.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 51.8		µg/kg dry	51.8	31.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 51.8		µg/kg dry	51.8	26.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	274		µg/kg dry	51.8	30.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 51.8		µg/kg dry	51.8	32.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 51.8		µg/kg dry	51.8	48.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 51.8		µg/kg dry	51.8	21.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320227	

Sample Identification

IB-C2-Br2-0"
SB75393-38

Client Project #	Matrix	Collection Date/Time	Received
183572.4445.0710	Concrete	19-Aug-13 10:14	20-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 1310	D	µg/kg dry	1310	977	20	SW846 8082A	22-Aug-13	27-Aug-13	BLM	1320213	X
11104-28-2	Aroclor-1221	< 1310	D	µg/kg dry	1310	1180	20	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 1310	D	µg/kg dry	1310	839	20	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 1310	D	µg/kg dry	1310	786	20	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 1310	D	µg/kg dry	1310	680	20	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	32,200	D	µg/kg dry	1310	765	20	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 1310	D	µg/kg dry	1310	811	20	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 1310	D	µg/kg dry	1310	1220	20	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 1310	D	µg/kg dry	1310	539	20	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320227	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1B-C2-C014-3" [redacted]93-39	183572.4445.0710	Concrete	19-Aug-13 10:29	20-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 52.1		µg/kg dry	52.1	38.9	1	SW846 8082A	22-Aug-13	25-Aug-13	BLM	1320213	X
11104-28-2	Aroclor-1221	< 52.1		µg/kg dry	52.1	47.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 52.1		µg/kg dry	52.1	33.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 52.1		µg/kg dry	52.1	31.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 52.1		µg/kg dry	52.1	27.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	235		µg/kg dry	52.1	30.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 52.1		µg/kg dry	52.1	32.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 52.1		µg/kg dry	52.1	48.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 52.1		µg/kg dry	52.1	21.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.4		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320227	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C014-0"	183572.4445.0710	Concrete	19-Aug-13 10:34	20-Aug-13
SB75393-40				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 51.7		µg/kg dry	51.7	38.6	1	SW846 8082A	22-Aug-13	25-Aug-13	BLM	1320213	X
11104-28-2	Aroclor-1221	< 51.7		µg/kg dry	51.7	46.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 51.7		µg/kg dry	51.7	33.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 51.7		µg/kg dry	51.7	31.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 51.7		µg/kg dry	51.7	26.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	569		µg/kg dry	51.7	30.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	82.8	P	µg/kg dry	51.7	25.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 51.7		µg/kg dry	51.7	48.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 51.7		µg/kg dry	51.7	21.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320227	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C015-3"	183572.4445.0710	Concrete	19-Aug-13 10:52	20-Aug-13
SB75393-41				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.4		µg/kg dry	58.4	43.7	1	SW846 8082A	22-Aug-13	25-Aug-13	BLM	1320213	X
11104-28-2	Aroclor-1221	< 58.4		µg/kg dry	58.4	52.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.4		µg/kg dry	58.4	37.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.4		µg/kg dry	58.4	35.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.4		µg/kg dry	58.4	30.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 58.4		µg/kg dry	58.4	48.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.4		µg/kg dry	58.4	36.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.4		µg/kg dry	58.4	54.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.4		µg/kg dry	58.4	24.1	1	"	"	"	"	"	X
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)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320227	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1B-C2-C015-0"	183572.4445.0710	Concrete	19-Aug-13 10:56	20-Aug-13
S[illegible]393-42				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 573	D	µg/kg dry	573	428	10	SW846 8082A	22-Aug-13	24-Aug-13	BLM	1320310	X
11104-28-2	Aroclor-1221	< 573	D	µg/kg dry	573	516	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 573	D	µg/kg dry	573	368	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 573	D	µg/kg dry	573	345	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 573	D	µg/kg dry	573	298	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	19,000	D	µg/kg dry	573	477	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	1,800	P, D	µg/kg dry	573	287	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 573	D	µg/kg dry	573	534	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 573	D	µg/kg dry	573	236	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*150*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*250*	S02		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320228	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C016-3" SB75393-43	183572.4445.0710	Concrete	19-Aug-13 11:09	20-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.8		µg/kg dry	66.8	49.9	1	SW846 8082A	22-Aug-13	24-Aug-13	BLM	1320310	X
11104-28-2	Aroclor-1221	< 66.8		µg/kg dry	66.8	60.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.8		µg/kg dry	66.8	42.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.8		µg/kg dry	66.8	40.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.8		µg/kg dry	66.8	34.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.8		µg/kg dry	66.8	55.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.8		µg/kg dry	66.8	41.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.8		µg/kg dry	66.8	62.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.8		µg/kg dry	66.8	27.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320228	

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* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-C016-0"	183572.4445.0710	Concrete	19-Aug-13 11:12	20-Aug-13
[illegible]393-44				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.1		µg/kg dry	63.1	47.1	1	SW846 8082A	22-Aug-13	24-Aug-13	BLM	1320310	X
11104-28-2	Aroclor-1221	< 63.1		µg/kg dry	63.1	56.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.1		µg/kg dry	63.1	40.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.1		µg/kg dry	63.1	37.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.1		µg/kg dry	63.1	32.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	2,770		µg/kg dry	63.1	36.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	943		µg/kg dry	63.1	39.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.1		µg/kg dry	63.1	58.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.1		µg/kg dry	63.1	26.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*515*	S02		*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	22-Aug-13	22-Aug-13	DT	1320228	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320205 - SW846 3510C										
Blank (1320205-BLK1)					Prepared & Analyzed: 22-Aug-13					
Aroclor-1016	< 0.200		µg/l	0.200						
Aroclor-1016 [2C]	< 0.200		µg/l	0.200						
Aroclor-1221	< 0.200		µg/l	0.200						
Aroclor-1221 [2C]	< 0.200		µg/l	0.200						
Aroclor-1232	< 0.200		µg/l	0.200						
Aroclor-1232 [2C]	< 0.200		µg/l	0.200						
Aroclor-1242	< 0.200		µg/l	0.200						
Aroclor-1242 [2C]	< 0.200		µg/l	0.200						
Aroclor-1248	< 0.200		µg/l	0.200						
Aroclor-1248 [2C]	< 0.200		µg/l	0.200						
Aroclor-1254	< 0.200		µg/l	0.200						
Aroclor-1254 [2C]	< 0.200		µg/l	0.200						
Aroclor-1260	< 0.200		µg/l	0.200						
Aroclor-1260 [2C]	< 0.200		µg/l	0.200						
Aroclor-1262	< 0.200		µg/l	0.200						
Aroclor-1262 [2C]	< 0.200		µg/l	0.200						
Aroclor-1268	< 0.200		µg/l	0.200						
Aroclor-1268 [2C]	< 0.200		µg/l	0.200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.190*		µg/l		*0.200*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.220*		µg/l		*0.200*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.240*		µg/l		*0.200*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.200*		µg/l		*0.200*		*100*	*30-150*		
LCS (1320205-BS1)					Prepared & Analyzed: 22-Aug-13					
Aroclor-1016	**1.96**		µg/l	0.200	2.50		78	40-140		
Aroclor-1016 [2C]	**1.97**		µg/l	0.200	2.50		79	40-140		
Aroclor-1260	**1.74**		µg/l	0.200	2.50		70	40-140		
Aroclor-1260 [2C]	**1.97**		µg/l	0.200	2.50		79	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.140*		µg/l		*0.200*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.150*		µg/l		*0.200*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.180*		µg/l		*0.200*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.190*		µg/l		*0.200*		*95*	*30-150*		
LCS Dup (1320205-BSD1)					Prepared & Analyzed: 22-Aug-13					
Aroclor-1016	**2.17**		µg/l	0.200	2.50		87	40-140	10	20
Aroclor-1016 [2C]	**2.22**		µg/l	0.200	2.50		89	40-140	12	20
Aroclor-1260	**1.94**		µg/l	0.200	2.50		78	40-140	11	20
Aroclor-1260 [2C]	**2.14**		µg/l	0.200	2.50		86	40-140	8	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.160*		µg/l		*0.200*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.170*		µg/l		*0.200*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.190*		µg/l		*0.200*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.200*		µg/l		*0.200*		*100*	*30-150*		
Batch 1320212 - SW846 3540C										
Blank (1320212-BLK1)					Prepared: 22-Aug-13 Analyzed: 24-Aug-13					
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320212 - SW846 3540C										
Blank (1320212-BLK1)					Prepared: 22-Aug-13 Analyzed: 24-Aug-13					
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*100*		µg/kg wet		*66.7*		*150*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*100*		µg/kg wet		*66.7*		*150*	*30-150*		
LCS (1320212-BS1)					Prepared: 22-Aug-13 Analyzed: 27-Aug-13					
Aroclor-1016	**490**		µg/kg wet	66.7	833		59	40-140		
Aroclor-1016 [2C]	**440**		µg/kg wet	66.7	833		53	40-140		
Aroclor-1260	**640**		µg/kg wet	66.7	833		77	40-140		
Aroclor-1260 [2C]	**457**		µg/kg wet	66.7	833		55	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*63.3*		µg/kg wet		*66.7*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*90.0*		µg/kg wet		*66.7*		*135*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
LCS Dup (1320212-BSD1)					Prepared: 22-Aug-13 Analyzed: 27-Aug-13					
Aroclor-1016	**413**		µg/kg wet	66.7	833		50	40-140	17	30
Aroclor-1016 [2C]	**443**		µg/kg wet	66.7	833		53	40-140	0.8	30
Aroclor-1260	**580**		µg/kg wet	66.7	833		70	40-140	10	30
Aroclor-1260 [2C]	**450**		µg/kg wet	66.7	833		54	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*80.0*		µg/kg wet		*66.7*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Duplicate (1320212-DUP1)			**Source: SB75393-11**		Prepared: 22-Aug-13 Analyzed: 24-Aug-13					
Aroclor-1016	< 60.5		µg/kg dry	60.5		BRL				30
Aroclor-1016 [2C]	< 60.5		µg/kg dry	60.5		BRL				30
Aroclor-1221	< 60.5		µg/kg dry	60.5		BRL				30
Aroclor-1221 [2C]	< 60.5		µg/kg dry	60.5		BRL				30
Aroclor-1232	< 60.5		µg/kg dry	60.5		BRL				30
Aroclor-1232 [2C]	< 60.5		µg/kg dry	60.5		BRL				30
Aroclor-1242	< 60.5		µg/kg dry	60.5		BRL				30
Aroclor-1242 [2C]	< 60.5		µg/kg dry	60.5		BRL				30
Aroclor-1248	< 60.5		µg/kg dry	60.5		BRL				30
Aroclor-1248 [2C]	< 60.5		µg/kg dry	60.5		BRL				30
Aroclor-1254	< 60.5		µg/kg dry	60.5		BRL				30
Aroclor-1254 [2C]	< 60.5		µg/kg dry	60.5		BRL				30
Aroclor-1260	< 60.5		µg/kg dry	60.5		BRL				30
Aroclor-1260 [2C]	< 60.5		µg/kg dry	60.5		BRL				30
Aroclor-1262	< 60.5		µg/kg dry	60.5		BRL				30
Aroclor-1262 [2C]	< 60.5		µg/kg dry	60.5		BRL				30
Aroclor-1268	< 60.5		µg/kg dry	60.5		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320212 - SW846 3540C										
Duplicate (1320212-DUP1)			**Source: SB75393-11**		Prepared: 22-Aug-13 Analyzed: 24-Aug-13					
Aroclor-1268 [2C]	< 60.5		µg/kg dry	60.5		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*33.3*		µg/kg dry		*60.5*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*39.3*		µg/kg dry		*60.5*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*66.5*		µg/kg dry		*60.5*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*69.5*		µg/kg dry		*60.5*		*115*	*30-150*		
Matrix Spike (1320212-MS1)			**Source: SB75393-11**		Prepared: 22-Aug-13 Analyzed: 24-Aug-13					
Aroclor-1016	**492**		µg/kg dry	62.3	779	BRL	63	40-140		
Aroclor-1016 [2C]	**449**		µg/kg dry	62.3	779	BRL	58	40-140		
Aroclor-1260	**558**		µg/kg dry	62.3	779	BRL	72	40-140		
Aroclor-1260 [2C]	**545**		µg/kg dry	62.3	779	BRL	70	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*49.9*		µg/kg dry		*62.3*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*56.1*		µg/kg dry		*62.3*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*93.5*		µg/kg dry		*62.3*		*150*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*90.4*		µg/kg dry		*62.3*		*145*	*30-150*		
Matrix Spike Dup (1320212-MSD1)			**Source: SB75393-11**		Prepared: 22-Aug-13 Analyzed: 24-Aug-13					
Aroclor-1016	**485**		µg/kg dry	57.7	722	BRL	67	40-140	6	30
Aroclor-1016 [2C]	**430**		µg/kg dry	57.7	722	BRL	60	40-140	3	30
Aroclor-1260	**566**		µg/kg dry	57.7	722	BRL	78	40-140	9	30
Aroclor-1260 [2C]	**554**		µg/kg dry	57.7	722	BRL	77	40-140	9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*43.3*		µg/kg dry		*57.7*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*46.2*		µg/kg dry		*57.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*86.6*		µg/kg dry		*57.7*		*150*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*80.8*		µg/kg dry		*57.7*		*140*	*30-150*		
Batch 1320213 - SW846 3540C										
Blank (1320213-BLK1)					Prepared: 22-Aug-13 Analyzed: 24-Aug-13					
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 68.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*83.3*		µg/kg wet		*66.7*		*125*	*30-150*		
LCS (1320213-BS1)					Prepared: 22-Aug-13 Analyzed: 24-Aug-13					
Aroclor-1016	**747**		µg/kg wet	66.7	833		90	40-140		
Aroclor-1016 [2C]	**657**		µg/kg wet	66.7	833		79	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320213 - SW846 3540C										
LCS (1320213-BS1)					Prepared: 22-Aug-13		Analyzed: 24-Aug-13			
Aroclor-1260	**757**		µg/kg wet	66.7	833		91	40-140		
Aroclor-1260 [2C]	**573**		µg/kg wet	66.7	833		69	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*90.0*		µg/kg wet		*66.7*		*135*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
LCS Dup (1320213-BSD1)					Prepared: 22-Aug-13		Analyzed: 24-Aug-13			
Aroclor-1016	**740**		µg/kg wet	66.7	833		89	40-140	0.9	30
Aroclor-1016 [2C]	**647**		µg/kg wet	66.7	833		78	40-140	2	30
Aroclor-1260	**740**		µg/kg wet	66.7	833		89	40-140	2	30
Aroclor-1260 [2C]	**550**		µg/kg wet	66.7	833		66	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*90.0*		µg/kg wet		*66.7*		*135*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*70.0*		µg/kg wet		*66.7*		*105*	*30-150*		
Duplicate (1320213-DUP1)			**Source: SB75393-23**		Prepared: 22-Aug-13		Analyzed: 24-Aug-13			
Aroclor-1016	< 55.7		µg/kg dry	55.7		BRL				30
Aroclor-1016 [2C]	< 55.7		µg/kg dry	55.7		BRL				30
Aroclor-1221	< 55.7		µg/kg dry	55.7		BRL				30
Aroclor-1221 [2C]	< 55.7		µg/kg dry	55.7		BRL				30
Aroclor-1232	< 55.7		µg/kg dry	55.7		BRL				30
Aroclor-1232 [2C]	< 55.7		µg/kg dry	55.7		BRL				30
Aroclor-1242	< 55.7		µg/kg dry	55.7		BRL				30
Aroclor-1242 [2C]	< 55.7		µg/kg dry	55.7		BRL				30
Aroclor-1248	< 55.7		µg/kg dry	55.7		BRL				30
Aroclor-1248 [2C]	< 55.7		µg/kg dry	55.7		BRL				30
Aroclor-1254	**167**	QM4	µg/kg dry	55.7		250			40	30
Aroclor-1254 [2C]	**148**	QM4	µg/kg dry	55.7		244			49	30
Aroclor-1260	< 55.7		µg/kg dry	55.7		BRL				30
Aroclor-1260 [2C]	< 55.7		µg/kg dry	55.7		BRL				30
Aroclor-1262	< 55.7		µg/kg dry	55.7		BRL				30
Aroclor-1262 [2C]	< 55.7		µg/kg dry	55.7		BRL				30
Aroclor-1268	< 55.7		µg/kg dry	55.7		BRL				30
Aroclor-1268 [2C]	< 55.7		µg/kg dry	55.7		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*39.0*		µg/kg dry		*55.7*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*33.4*		µg/kg dry		*55.7*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*58.5*		µg/kg dry		*55.7*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*41.8*		µg/kg dry		*55.7*		*75*	*30-150*		
Matrix Spike (1320213-MS1)			**Source: SB75393-23**		Prepared: 22-Aug-13		Analyzed: 24-Aug-13			
Aroclor-1016	**620**		µg/kg dry	62.0	775	BRL	80	40-140		
Aroclor-1016 [2C]	**518**		µg/kg dry	62.0	775	BRL	67	40-140		
Aroclor-1260	**679**		µg/kg dry	62.0	775	BRL	88	40-140		
Aroclor-1260 [2C]	**400**		µg/kg dry	62.0	775	BRL	52	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*62.0*		µg/kg dry		*62.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*55.8*		µg/kg dry		*62.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*86.8*		µg/kg dry		*62.0*		*140*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*65.1*		µg/kg dry		*62.0*		*105*	*30-150*		
Matrix Spike Dup (1320213-MSD1)			**Source: SB75393-23**		Prepared: 22-Aug-13		Analyzed: 24-Aug-13			
Aroclor-1016	**431**		µg/kg dry	51.9	649	BRL	66	40-140	19	30
Aroclor-1016 [2C]	**353**		µg/kg dry	51.9	649	BRL	54	40-140	20	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320213 - SW846 3540C										
Matrix Spike Dup (1320213-MSD1)			Source: SB75393-23		Prepared: 22-Aug-13 Analyzed: 24-Aug-13					
Aroclor-1260	**579**		µg/kg dry	51.9	649	BRL	89	40-140	2	30
Aroclor-1260 [2C]	**358**		µg/kg dry	51.9	649	BRL	55	40-140	7	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*51.9*		µg/kg dry		*51.9*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*49.3*		µg/kg dry		*51.9*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*90.9*	S02	µg/kg dry		*51.9*		*175*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*64.9*		µg/kg dry		*51.9*		*125*	*30-150*		
Batch 1320310 - SW846 3540C										
Blank (1320310-BLK1)						Prepared: 22-Aug-13 Analyzed: 24-Aug-13				
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.0*		µg/kg wet		*20.0*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS (1320310-BS1)						Prepared: 22-Aug-13 Analyzed: 24-Aug-13				
Aroclor-1016	**226**		µg/kg wet	20.0	250		90	40-140		
Aroclor-1016 [2C]	**205**		µg/kg wet	20.0	250		82	40-140		
Aroclor-1260	**215**		µg/kg wet	20.0	250		86	40-140		
Aroclor-1260 [2C]	**197**		µg/kg wet	20.0	250		79	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.0*		µg/kg wet		*20.0*		*140*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1320226 - General Preparation										
Duplicate (1320226-DUP1)			Source: SB75393-01			Prepared & Analyzed: 22-Aug-13				
% Solids	99.6		%			99.6			0.01	20
Batch 1320227 - General Preparation										
Duplicate (1320227-DUP1)			Source: SB75393-21			Prepared & Analyzed: 22-Aug-13				
% Solids	99.3		%			99.3			0.006	20

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
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.
R02	Elevated Reporting Limits due to limited sample volume.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor

CTDAS Rates Apply

SB75303

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CHAIN OF CUSTODY RECORD

Page 1 of 8

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5-Day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Henry Laliberte
21 Griffin Rd North
Windsor, CT 06095

Telephone #: 860-298-6266
Project Mgr. Henry Laliberte

Invoice To: Same

P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710
Site Name: Bradley International Airport
Location: Windsor Locks State: CT
Sampler(s): G Kaczynski, M Kostruba, Z Pedersen

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/8540								State-specific reporting standards:
75303-01	IB-C3-C01-0"	8/16/13	0919	G	X1		1			X								Public corridor - outside 174
02	IB-C3-C02-0"	8/16/13	0931															Public corridor near entry 1
03	IB-GR1		0942															SW
04	IB-GR2		0944															SW
05	IB-GR3		0950															SW
06	IB-GR4		0952															SW
07	IB-GR5		0959															SC
08	IB-GR6		1003															SC
09	IB-GR7		1008															SC
10	IB-GR8		1012															SC

Relinquished by:	Received by: 8.20.13	Date:	Time:	Temp°C
[signature]	[signature] Fed Ex	8/19/13	1620	
[signature] Fed Ex	[signature]	8.20.13	9:00	
[signature]	Lamyak	8-2013	16:30	

☐ EDD Format
☒ E-mail to HLaliberte@trcsolutions.com
8.20.13

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

2.1-1/1.1 IR02

(CTDAS Rates Apply)

BB75393 JB

SPECTRUM ANALYTICAL, INC.
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CHAIN OF CUSTODY RECORD

Page 2 of 8

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5-Day
- All TATs subject to laboratory approval.
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- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same as page 1

Telephone #:

Project Mgr.

Invoice To: Same as page 1

P.O. No.: RQN:

Project No.: 183572.4445.0710

Site Name: Bradley International Airport

Location: Windsor Locks State: CT

Sampler(s): GK, MK, ZP

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C	State-specific reporting standards:
75393-11	IB-GR9	8/16/13	1015	G	X1		1			X	SC
12	IB-GR10		1019								SC
13	IB-GR14		1058								SW
14	IB-GR13		1102								SW
15	IB-GR12		1105								SW
16	IB-GR11		1140								SW
17	IB-C3-C03-0"		1117								Public corridor near entry 2
18	IB-C2-Gr1-3"		1136								B23 area
19	IB-C2-Gr1-0"		1138								~~Area~~ B23 Area
20	IB-C2-GR2-3"		1207								Area 3

Relinquished by:	Received by:	Date:	Time:	Temp°C
	Trip	8/19/13	1620	
Trip	[illegible]	8-20-13	9a	
[illegible]	[illegible]	8-20-13	16:20	

☐ EDD Format

☒ E-mail to Same as Page 1

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

21/[illegible]/11 R02

(CTDAS Rate Apply)

3B75893

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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 8

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
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Report To: Same as page 1

Telephone #:

Project Mgr.

Invoice To: Same as page 1

P.O. No.: RQN:

Project No.: 183572.4445.0710

Site Name: Bradley International Airport

Location: Windsor Locks State: CT

Sampler(s): GK, MK, ZP

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
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X1= Concrete X2= X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		Analyses: 8082/3540C							State-specific reporting standards:
75893-21	IB-C2-GR2-0"	8/16/13	1210	G	X1		1				X							Area 3
22	IB-C2-C07-3"		1350															Elevated North Window
23	IB-C2-C07-0"		1355															Elevated North Window
24	IB-C2-C08-3"		1406															Elevated South Window
25	IB-C2-C08-0"		1409															Elevated South Window
26	IB-C2-C09-3"		1423															Elevated South Joint
27	IB-C2-C09-0"		1425															Elevated South Joint
28	IB-C2-C010-3"		1509															Elevated NW 1
29	IB-C2-C010-0"		1513															Elevated NW 1
30	IB-C2-C011-3"		1519															Elevated NW2

Relinquished by:	Received by:	Date:	Time:	Temp°C
[illegible]	[illegible]	8/19/13	1620	
[illegible]	[illegible]	8 20 13	9:00	
[illegible]	[illegible]	8-20-13	1600	

☐ EDD Format
☒ E-mail to Same as page 1

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

2-1 1-1 1-2 IR 02

CTDAS Rates Apply

SB75393 JB

SPECTRUM ANALYTICAL, INC.
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CHAIN OF CUSTODY RECORD

Page 4 of 8

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
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Report To: Same as page 1

Telephone #:

Project Mgr.

Invoice To: Same as page 1

P.O. No.: RQN:

Project No.: 183572.4445.0710

Site Name: Bradley International Airport

Location: Windsor Locks State: CT

Sampler(s): GK, MK; ZP

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= ~~Aqueous~~ Hexane X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C	State-specific reporting standards:
75393-31	IB-C2-C011-0"	8/16/13	1522	G	X1		1			X	Elevated NW2
32	IB-C2-C012-3"	↓	1530	↓	↓		1			↓	Elevated SW wall
33	IB-C2-C012-0"	↓	1534	↓	↓			1		↓	Elevated SW wall
34	Drill Bit Decon	↓	1540	↓	X2			1		↓	Drill Bit
35	IB-C2-C013-3"	8/19/13	0947	↓	X1		1			↓	Roof West Joint
36	IB-C2-C013-0"	↓	0952	↓	↓		↓			↓	Roof West Joint
37	IB-C2-BR2-3"	↓	1007	↓	↓		↓			↓	Roof West Joint
38	IB-C2-BR2-0"	↓	1014	↓	↓		↓			↓	Roof West Joint
39	IB-C2-C014-3"	↓	1029	↓	↓		↓			↓	Roof South Joint
40	IB-C2-C014-0"	↓	1034	↓	↓		↓			↓	Roof South Joint

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	8/19/13	1620	
[signature]	[signature]	8 20 13	9:00	
[signature]	[signature]	8-20-13	16:30	

☐ EDD Format
☒ E-mail to Same as page 1

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

2-1/-1/11 IR02

CTDAS Rates [redacted]ly

SB[redacted]393

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 5 of 8

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5-Day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same as page 1

Telephone #:

Project Mgr.

Invoice To: Same as page 1

P.O. No.: RQN:

Project No.: 183572.4445.0710

Site Name: Bradley International Airport

Location: Windsor Locks State: CT

Sampler(s): GK, MK, ZP

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= X3=

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: 8082/3540C

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C	
75393-41	IB-C2-C015-3"	8/19/13	1052	G	X1		1			X	Roof South Joint
42	IB-C2-C015-0"		1056								Roof South Joint
43	IB-C2-C016-3"		1109								Roof South Joint
44	IB-C2-C016-0"		1112								Roof South Joint
45	IB-C2-GR1-12"	8/16/13	1130								B23 Area
46	IB-C2-GR1-6"		1134								B23 Area
47	IB-C2-GR2-12"		1200								Area 3
48	IB-C2-GR2-6"		1204								Area 3
49	IB-C2-C07-12"		1340								Elevated North Window
50	IB-C2-C07-6"		1345								Elevated North Window

Hold samples!! Do not run without prior authorization from TRC

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	8/19/13	1630	
[signature]	[signature]	8 20 13	9AM	
[signature]	[signature]	8-20-2013	16:30	

☐ EDD Format

☒ E-mail to Same as page 1

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

21-1-11 IR 02

CTDAS Rates Apply

SB75393 JB

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 6 of 9

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5-Day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same as page 1

Telephone #:

Project Mgr.

Invoice To: Same as page 1

P.O. No.: RQN:

Project No.: 183572.4445.0710

Site Name: Bradley International Airport

Location: Windsor Locks State: CT

Sampler(s): GK, MK, ZP

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= X3=

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: 8082/3540C

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C	State-specific reporting standards:
75393-51	IB-C2-008-12"	8/16/13	1400	G	X1		1			X	Elevated South Window
52	IB-C2-008-6"		1403								Elevated South Window
53	IB-C2-009-12"		1415								Elevated South Joint
54	IB-C2-009-6"		1420								Elevated South Joint
55	IB-C2-010-12"		1500								Elevated NW1
56	IB-C2-010-6"		1503								Elevated NW1
57	IB-C2-011-12"		1512								Elevated NW2
58	IB-C2-011-6"		1517								Elevated NW2
59	IB-C2-012-12"		~~1512~~ 1525								Elevated SW Wall
60	IB-C2-012-6"		1527								Elevated SW Wall

Hold Samples!!! Do not run without prior authorization from TRC!

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	8/19/13	1620	
[signature]	[signature]	8 20 13	1N	
[signature]	[signature]	8-20-13	16:20	

☐ EDD Format
☒ E-mail to Same as page 1

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

21/1/1 IR22

(CT DAS Rot Apply)

SB75393 JB

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 7 of 8

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5-Day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same as page 1

Telephone #:

Project Mgr.

Invoice To: Same as page 1

P.O. No.: RQN:

Project No.: 183572.4445.0710

Site Name: Bradley International Airport

Location: Windsor Locks State: CT

Sampler(s): GK, MK, ZP

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= X3=

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: 8082/3540C

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C	State-specific reporting standards:
75393-61	IB-C2-C013-12"	8/19/13	0939	G	XL		1			X	Roof West Joint
62	IB-C2-C013-6"		0943								Roof West Joint
63	IB-C2-BC2-12"		0959								Roof West Joint
64	IB-C2-BC2-6"		1003								Roof West Joint
65	IB-C2-C014-12"		1020								Roof South Joint
66	IB-C2-C014-6"		1025								Roof South Joint
67	IB-C2-C015-12"		1044								Roof South Joint
68	IB-C2-C015-6"		1048								Roof South Joint
69	IB-C2-C016-12"		1100								Roof South Joint
70	IB-C2-C016-6"		1104								Roof South Joint

Hold Samples!!! Do not run without prior authorization from TRC!

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	8/19/13	1620	
[signature]	[signature]	8 20 13	9a	
[signature]	[signature]	8-20-13	1620	

☐ EDD Format

☒ E-mail to Same as page 1

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

21/-1/1-1 IR02

Report Date:
05-Sep-13 12:54

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

IAB #3

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: BIA-Concourse A-Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB75962-01	IAB-C2-CO17-0"	Concrete	29-Aug-13 14:36	30-Aug-13 16:35
SB75962-02	IAB-C2-CO17-3"	Concrete	29-Aug-13 14:32	30-Aug-13 16:35
SB75962-03	IAB-C2-CO17-6"	Concrete	29-Aug-13 14:27	30-Aug-13 16:35
SB75962-04	IAB-C2-CO17-12"	Concrete	29-Aug-13 14:24	30-Aug-13 16:35
SB75962-05	IB-C54	Concrete	29-Aug-13 15:35	30-Aug-13 16:35
SB75962-06	IB-C55	Concrete	29-Aug-13 15:40	30-Aug-13 16:35
SB75962-07	IB-C56	Concrete	29-Aug-13 16:15	30-Aug-13 16:35
SB75962-08	IB-C57	Concrete	29-Aug-13 16:10	30-Aug-13 16:35

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 14 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: BIA-Concourse A-Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
8/29/2013

Laboratory Sample ID(s):
SB75962-01 through SB75962-08

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	✓ Yes	No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes	✓ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Nicole Leja

Nicole Leja
Laboratory Director
Date: 9/5/2013

CASE NARRATIVE:

The samples were received 1.4 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.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Acceptance Check Form

Client:	TRC - Windsor, CT
Project:	BIA-Concourse A-Windsor Locks, CT / 183572.4445.0710
Work Order:	SB75962
Sample(s) received on:	8/30/2013
Received by:	Jessica Hoffman

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
1. Were custody seals present?	☐	☑	☐
2. Were custody seals intact?	☐	☐	☑
3. Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
4. Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
5. Were samples refrigerated upon transfer to laboratory representative?	☐	☑	☐
6. Were sample containers received intact?	☑	☐	☐
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
8. Were samples accompanied by a Chain of Custody document?	☑	☐	☐
9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☑	☐	☐
10. Did sample container labels agree with Chain of Custody document?	☑	☐	☐
11. Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IAB-C2-CO17-0"	183572.4445.0710	Concrete	29-Aug-13 14:36	30-Aug-13
SB75962-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.4		µg/kg dry	65.4	48.9	1	SW846 8082A	30-Aug-13	03-Sep-13	IMR	1321030	X
11104-28-2	Aroclor-1221	< 65.4		µg/kg dry	65.4	59.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.4		µg/kg dry	65.4	42.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.4		µg/kg dry	65.4	39.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.4		µg/kg dry	65.4	34.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	7,500		µg/kg dry	65.4	54.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.4		µg/kg dry	65.4	40.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.4		µg/kg dry	65.4	60.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.4		µg/kg dry	65.4	27.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321100	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IAB-C2-CO17-3"	183572.4445.0710	Concrete	29-Aug-13 14:32	30-Aug-13
SR75962-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.9		µg/kg dry	62.9	46.9	1	SW846 8082A	30-Aug-13	03-Sep-13	IMR	1321030	X
11104-28-2	Aroclor-1221	< 62.9		µg/kg dry	62.9	56.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.9		µg/kg dry	62.9	40.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.9		µg/kg dry	62.9	37.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.9		µg/kg dry	62.9	32.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	594		µg/kg dry	62.9	36.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.9		µg/kg dry	62.9	39.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.9		µg/kg dry	62.9	58.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.9		µg/kg dry	62.9	25.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321100	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IAB-C2-CO17-6"	183572.4445.0710	Concrete	29-Aug-13 14:27	30-Aug-13
SB75962-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.8		µg/kg dry	64.8	48.4	1	SW846 8082A	30-Aug-13	03-Sep-13	IMR	1321030	X
11104-28-2	Aroclor-1221	< 64.8		µg/kg dry	64.8	58.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.8		µg/kg dry	64.8	41.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.8		µg/kg dry	64.8	38.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.8		µg/kg dry	64.8	33.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	240		µg/kg dry	64.8	54.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.8		µg/kg dry	64.8	40.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.8		µg/kg dry	64.8	60.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.8		µg/kg dry	64.8	26.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321100	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IAB-C2-CO17-12"	183572.4445.0710	Concrete	29-Aug-13 14:24	30-Aug-13
SB75962-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.4		µg/kg dry	65.4	48.8	1	SW846 8082A	30-Aug-13	03-Sep-13	IMR	1321030	X
11104-28-2	Aroclor-1221	< 65.4		µg/kg dry	65.4	58.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.4		µg/kg dry	65.4	42.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.4		µg/kg dry	65.4	39.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.4		µg/kg dry	65.4	34.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	235		µg/kg dry	65.4	38.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.4		µg/kg dry	65.4	40.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.4		µg/kg dry	65.4	60.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.4		µg/kg dry	65.4	27.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.6		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321100	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C54				
SB75962-05	183572.4445.0710	Concrete	29-Aug-13 15:35	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.4		µg/kg dry	59.4	44.4	1	SW846 8082A	30-Aug-13	03-Sep-13	IMR	1321030	X
11104-28-2	Aroclor-1221	< 59.4		µg/kg dry	59.4	53.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.4		µg/kg dry	59.4	38.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.4		µg/kg dry	59.4	35.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.4		µg/kg dry	59.4	30.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 59.4		µg/kg dry	59.4	49.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.4		µg/kg dry	59.4	36.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.4		µg/kg dry	59.4	55.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.4		µg/kg dry	59.4	24.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321100	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1B-C55	183572.4445.0710	Concrete	29-Aug-13 15:40	30-Aug-13
SB75962-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.8		µg/kg dry	58.8	43.9	1	SW846 8082A	30-Aug-13	03-Sep-13	IMR	1321030	X
11104-28-2	Aroclor-1221	< 58.8		µg/kg dry	58.8	53.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.8		µg/kg dry	58.8	37.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.8		µg/kg dry	58.8	35.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.8		µg/kg dry	58.8	30.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 58.8		µg/kg dry	58.8	49.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.8		µg/kg dry	58.8	36.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.8		µg/kg dry	58.8	54.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.8		µg/kg dry	58.8	24.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.2		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321100	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C56	183572.4445.0710	Concrete	29-Aug-13 16:15	30-Aug-13
SB75962-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.2		µg/kg dry	60.2	45.0	1	SW846 8082A	30-Aug-13	03-Sep-13	IMR	1321030	X
11104-28-2	Aroclor-1221	< 60.2		µg/kg dry	60.2	54.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.2		µg/kg dry	60.2	38.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.2		µg/kg dry	60.2	36.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.2		µg/kg dry	60.2	31.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.2		µg/kg dry	60.2	50.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.2		µg/kg dry	60.2	37.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.2		µg/kg dry	60.2	56.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.2		µg/kg dry	60.2	24.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	95.8		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321100	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C57	183572.4445.0710	Concrete	29-Aug-13 16:10	30-Aug-13
S[illegible]962-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 53.7		µg/kg dry	53.7	40.1	1	SW846 8082A	30-Aug-13	03-Sep-13	IMR	1321030	X
11104-28-2	Aroclor-1221	< 53.7		µg/kg dry	53.7	48.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 53.7		µg/kg dry	53.7	34.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 53.7		µg/kg dry	53.7	32.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 53.7		µg/kg dry	53.7	27.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 53.7		µg/kg dry	53.7	44.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 53.7		µg/kg dry	53.7	33.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 53.7		µg/kg dry	53.7	50.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 53.7		µg/kg dry	53.7	22.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	95.8		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321100	

This laboratory report is not valid without an authorized signature on the cover page.

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1321030 - SW846 3540C										
Blank (1321030-BLK1)					Prepared: 30-Aug-13 Analyzed: 03-Sep-13					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS (1321030-BS1)					Prepared: 30-Aug-13 Analyzed: 03-Sep-13					
Aroclor-1016	**169**		µg/kg wet	20.0	250		68	40-140		
Aroclor-1016 [2C]	**183**		µg/kg wet	20.0	250		73	40-140		
Aroclor-1260	**175**		µg/kg wet	20.0	250		70	40-140		
Aroclor-1260 [2C]	**218**		µg/kg wet	20.0	250		87	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.0*		µg/kg wet		*20.0*		*140*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
LCS Dup (1321030-BSD1)					Prepared: 30-Aug-13 Analyzed: 03-Sep-13					
Aroclor-1016	**176**		µg/kg wet	20.0	250		70	40-140	4	30
Aroclor-1016 [2C]	**187**		µg/kg wet	20.0	250		75	40-140	2	30
Aroclor-1260	**146**		µg/kg wet	20.0	250		58	40-140	18	30
Aroclor-1260 [2C]	**185**		µg/kg wet	20.0	250		74	40-140	16	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*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.

Validated by:
Nicole Leja

CT DAS Rates Apply

SB75962 JLH

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☑ Rush TAT - Date Needed: 3day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Henry LaLiberte
TRC Environmental
21 Griffin Rd North
Windsor, CT 06095
Telephone #: 860-298-6246
Project Mgr. Henry LaLiberte

Invoice To: (Same as Report)
P.O. No.: C183572 RQN:

Project No.: 183572.4445.0210
Site Name: BIA - IAB
Location: Windsor Locks State: CT
Sampler(s): G. Kaczynski / M. Kostka

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= COO 12=

List preservative code below: 11

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= X3=

G=Grab C=Composite

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☑ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards: MT 1st - PCA

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C							State-specific reporting standards
SB75962-01	IAB-C2-C017-0"	8/29/13	1436	G	X1			1		X							MT 1st - PCA
02	IAB-C2-C017-3"		1432							X							
03	IAB-C2-C017-6"		1427							X							
04	IAB-C2-C017-12"		1424							X							
05	IB-C54		1535							X							Ext-1st Flr-O/s entry 1
06	IB-C55		1540							X							
07	IB-C56		1615							X							Ext-1st Flr-O/s entry 2
08	IB-C57		1610							X							

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	8/30/13	1:50	
	JLH	8/30/13	1635	

☐ EDD Format
☒ E-mail to HLaliberte@TRCsolutions.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

24/1/24 IR 01

Report Date:
19-Sep-13 15:08

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: Conn DOT - Windsor Locks, CT
Project #: 183572.4445.00710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB76862-01	IB-C2-CO18-12"	Concrete	13-Sep-13 08:20	17-Sep-13 16:35
SB76862-02	IB-C2-CO18-6"	Concrete	13-Sep-13 08:23	17-Sep-13 16:35
SB76862-03	IB-C2-CO18-3"	Concrete	13-Sep-13 08:28	17-Sep-13 16:35
SB76862-04	IB-C2-CO18-0"	Concrete	13-Sep-13 08:35	17-Sep-13 16:35
SB76862-05	IB-C2-CO19-12"	Concrete	13-Sep-13 08:45	17-Sep-13 16:35
SB76862-06	IB-C2-CO19-6"	Concrete	13-Sep-13 08:48	17-Sep-13 16:35
SB76862-07	IB-C2-CO19-3"	Concrete	13-Sep-13 08:54	17-Sep-13 16:35
SB76862-08	IB-C2-CO19-0"	Concrete	13-Sep-13 09:01	17-Sep-13 16:35
SB76862-09	IB-C3-GR1-0"	Concrete	13-Sep-13 09:12	17-Sep-13 16:35
SB76862-10	IB-C3-BR7-0"	Brick	13-Sep-13 09:22	17-Sep-13 16:35
SB76862-11	IB-C3-BR8-0"	Brick	13-Sep-13 10:40	17-Sep-13 16:35
SB76862-12	IB-C3-BR9-0"	Brick	13-Sep-13 10:55	17-Sep-13 16:35
SB76862-13	IB-C4B-BR1-16"	Brick	13-Sep-13 10:25	17-Sep-13 16:35
SB76862-14	IB-C4B-BR1-20"	Brick	13-Sep-13 10:32	17-Sep-13 16:35

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 24 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

State Of Connecticut
Department of Environmental Protection
Laboratory Quality Control and Quality Assurance Form

Laboratory Name: Spectrum Analytical, Inc.

Project Location: Conn DOT - Windsor Locks, CT

Project Name and Number: Conn DOT - Windsor Locks, CT / 183572.4445.00710

This form provides certification for the following data set: SB76862-01 through SB76862-14

Sample matrices:	**Analytical methods used:**
Brick	SM2540 G Mod.
Concrete	SW846 8082A

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?	☑ Yes	☐ No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed?	☑ Yes	☐ No
C	Were all QC performance standards and recommendations for the specified methods achieved?	☑ Yes	☐ No
D	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☑ Yes	☐ No *

* The compounds and/or elements reported are as 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.

Negative responses for A, B and C 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.

Nicole Leja

Nicole Leja
Laboratory Director
Date: 9/19/2013

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Conn DOT - Windsor Locks, CT

Project Number: 183572.4445.00710

Sampling Date(s):
9/13/2013

Laboratory Sample ID(s):
SB76862-01 through SB76862-14

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Nicole Leja

Nicole Leja
Laboratory Director
Date: 9/19/2013

CASE NARRATIVE:

The samples were received 2.7 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Duplicates:

1322434-DUP1 *Source: SB76862-01*

RPD out of acceptance range.

Aroclor-1254 [2C]

Samples:

SB76862-04 *IB-C2-CO18-0"*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB76862-08 *IB-C2-CO19-0"*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sample Acceptance Check Form

Client:	TRC - Windsor, CT
Project:	Conn DOT - Windsor Locks, CT / 183572.4445.00710
Work Order:	SB76862
Sample(s) received on:	9/17/2013
Received by:	Jessica Hoffman

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
1. Were custody seals present?	☐	☑	☐
2. Were custody seals intact?	☐	☐	☑
3. Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
4. Were samples cooled on ice upon transfer to laboratory representative?	☐	☑	☐
5. Were samples refrigerated upon transfer to laboratory representative?	☑	☐	☐
6. Were sample containers received intact?	☑	☐	☐
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
8. Were samples accompanied by a Chain of Custody document?	☑	☐	☐
9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☑	☐	☐
10. Did sample container labels agree with Chain of Custody document?	☑	☐	☐
11. Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-CO18-12"	183572.4445.00710	Concrete	13-Sep-13 08:20	17-Sep-13
[illegible]862-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.8		µg/kg dry	58.8	43.9	1	SW846 8082A	17-Sep-13	18-Sep-13	BLM	1322434	X
11104-28-2	Aroclor-1221	< 58.8		µg/kg dry	58.8	53.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.8		µg/kg dry	58.8	37.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.8		µg/kg dry	58.8	35.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.8		µg/kg dry	58.8	30.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	138		µg/kg dry	58.8	49.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.8		µg/kg dry	58.8	36.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.8		µg/kg dry	58.8	54.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.8		µg/kg dry	58.8	24.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322512	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1B-C2-CO18-6"	183572.4445.00710	Concrete	13-Sep-13 08:23	17-Sep-13
SB76862-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 54.8		µg/kg dry	54.8	41.0	1	SW846 8082A	17-Sep-13	18-Sep-13	BLM	1322434	X
11104-28-2	Aroclor-1221	< 54.8		µg/kg dry	54.8	49.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 54.8		µg/kg dry	54.8	35.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.8		µg/kg dry	54.8	33.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 54.8		µg/kg dry	54.8	28.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	156		µg/kg dry	54.8	32.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 54.8		µg/kg dry	54.8	34.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 54.8		µg/kg dry	54.8	51.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54.8		µg/kg dry	54.8	22.6	1	"	"	"	"	"	X
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)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322512	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-CO18-3"	183572.4445.00710	Concrete	13-Sep-13 08:28	17-Sep-13
[redacted]862-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.4		µg/kg dry	59.4	44.4	1	SW846 8082A	17-Sep-13	18-Sep-13	BLM	1322434	X
11104-28-2	Aroclor-1221	< 59.4		µg/kg dry	59.4	53.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.4		µg/kg dry	59.4	38.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.4		µg/kg dry	59.4	35.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.4		µg/kg dry	59.4	30.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	1,920		µg/kg dry	59.4	34.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	104		µg/kg dry	59.4	29.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.4		µg/kg dry	59.4	55.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.4		µg/kg dry	59.4	24.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*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	99.8		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322512	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-CO18-0"	183572.4445.00710	Concrete	13-Sep-13 08:35	17-Sep-13
SB76862-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 523	D	µg/kg dry	523	391	10	SW846 8082A	17-Sep-13	19-Sep-13	BLM	1322434	X
11104-28-2	Aroclor-1221	< 523	D	µg/kg dry	523	472	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 523	D	µg/kg dry	523	336	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 523	D	µg/kg dry	523	315	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 523	D	µg/kg dry	523	272	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	16,400	D	µg/kg dry	523	436	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 523	D	µg/kg dry	523	325	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 523	D	µg/kg dry	523	488	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 523	D	µg/kg dry	523	216	10	"	"	"	"	"	X
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)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322512	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-CO19-12"	183572.4445.00710	Concrete	13-Sep-13 08:45	17-Sep-13
[redacted]862-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.1		µg/kg dry	60.1	44.9	1	SW846 8082A	17-Sep-13	18-Sep-13	BLM	1322434	X
11104-28-2	Aroclor-1221	< 60.1		µg/kg dry	60.1	54.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.1		µg/kg dry	60.1	38.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.1		µg/kg dry	60.1	36.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.1		µg/kg dry	60.1	31.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	123		µg/kg dry	60.1	35.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.1		µg/kg dry	60.1	37.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.1		µg/kg dry	60.1	56.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.1		µg/kg dry	60.1	24.8	1	"	"	"	"	"	X
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)*	*40*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322512	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-CO19-6" SB76862-06	183572.4445.00710	Concrete	13-Sep-13 08:48	17-Sep-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.1		µg/kg dry	60.1	44.9	1	SW846 8082A	17-Sep-13	18-Sep-13	BLM	1322434	X
11104-28-2	Aroclor-1221	< 60.1		µg/kg dry	60.1	54.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.1		µg/kg dry	60.1	38.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.1		µg/kg dry	60.1	36.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.1		µg/kg dry	60.1	31.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	177		µg/kg dry	60.1	35.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.1		µg/kg dry	60.1	37.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.1		µg/kg dry	60.1	56.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.1		µg/kg dry	60.1	24.8	1	"	"	"	"	"	X
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	99.8		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322512	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-CO19-3"	183572.4445.00710	Concrete	13-Sep-13 08:54	17-Sep-13
[redacted]362-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.2		µg/kg dry	66.2	49.5	1	SW846 8082A	17-Sep-13	18-Sep-13	BLM	1322434	X
11104-28-2	Aroclor-1221	< 66.2		µg/kg dry	66.2	59.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.2		µg/kg dry	66.2	42.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.2		µg/kg dry	66.2	39.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.2		µg/kg dry	66.2	34.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	3,060		µg/kg dry	66.2	38.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.2		µg/kg dry	66.2	41.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.2		µg/kg dry	66.2	61.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.2		µg/kg dry	66.2	27.3	1	"	"	"	"	"	X
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)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322512	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C2-CO19-0"	183572.4445.00710	Concrete	13-Sep-13 09:01	17-Sep-13
SB76862-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls			GS1										
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 515	D	µg/kg dry	515	384	10	SW846 8082A	17-Sep-13	19-Sep-13	BLM	1322434	X
11104-28-2	Aroclor-1221	< 515	D	µg/kg dry	515	464	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 515	D	µg/kg dry	515	330	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 515	D	µg/kg dry	515	310	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 515	D	µg/kg dry	515	268	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	31,000	D	µg/kg dry	515	429	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 515	D	µg/kg dry	515	319	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 515	D	µg/kg dry	515	479	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 515	D	µg/kg dry	515	212	10	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322512	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C3-GR1-0"	183572.4445.00710	Concrete	13-Sep-13 09:12	17-Sep-13
[redacted]862-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 58.1		µg/kg dry	58.1	43.4	1	SW846 8082A	17-Sep-13	18-Sep-13	BLM	1322434	X
11104-28-2	Aroclor-1221	< 58.1		µg/kg dry	58.1	52.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 58.1		µg/kg dry	58.1	37.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 58.1		µg/kg dry	58.1	35.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 58.1		µg/kg dry	58.1	30.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	296		µg/kg dry	58.1	34.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 58.1		µg/kg dry	58.1	36.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 58.1		µg/kg dry	58.1	54.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 58.1		µg/kg dry	58.1	24.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322512	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
1B-C3-BR7-0"	183572.4445.00710	Brick	13-Sep-13 09:22	17-Sep-13
SB76862-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.8		µg/kg dry	57.8	43.2	1	SW846 8082A	17-Sep-13	18-Sep-13	BLM	1322434	X
11104-28-2	Aroclor-1221	< 57.8		µg/kg dry	57.8	52.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.8		µg/kg dry	57.8	37.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.8		µg/kg dry	57.8	34.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.8		µg/kg dry	57.8	30.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	121		µg/kg dry	57.8	33.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.8		µg/kg dry	57.8	35.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.8		µg/kg dry	57.8	53.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.8		µg/kg dry	57.8	23.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322512	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C3-BR8-0"	183572.4445.00710	Brick	13-Sep-13 10:40	17-Sep-13
[redacted]62-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.3		µg/kg dry	62.3	46.5	1	SW846 8082A	17-Sep-13	18-Sep-13	BLM	1322434	X
11104-28-2	Aroclor-1221	< 62.3		µg/kg dry	62.3	56.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.3		µg/kg dry	62.3	40.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.3		µg/kg dry	62.3	37.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.3		µg/kg dry	62.3	32.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.3		µg/kg dry	62.3	51.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.3		µg/kg dry	62.3	38.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.3		µg/kg dry	62.3	58.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.3		µg/kg dry	62.3	25.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322512	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C3-BR9-0" SB76862-12	183572.4445.00710	Brick	13-Sep-13 10:55	17-Sep-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 56.2		µg/kg dry	56.2	42.0	1	SW846 8082A	17-Sep-13	18-Sep-13	BLM	1322434	X
11104-28-2	Aroclor-1221	< 56.2		µg/kg dry	56.2	50.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.2		µg/kg dry	56.2	36.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.2		µg/kg dry	56.2	33.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.2		µg/kg dry	56.2	29.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 56.2		µg/kg dry	56.2	46.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 56.2		µg/kg dry	56.2	34.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.2		µg/kg dry	56.2	52.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.2		µg/kg dry	56.2	23.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.9		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322512	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C4B-BR1-16"	183572.4445.00710	Brick	13-Sep-13 10:25	17-Sep-13
[redacted]62-13				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.1		µg/kg dry	57.1	42.6	1	SW846 8082A	17-Sep-13	18-Sep-13	BLM	1322434	X
11104-28-2	Aroclor-1221	< 57.1		µg/kg dry	57.1	51.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.1		µg/kg dry	57.1	36.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.1		µg/kg dry	57.1	34.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.1		µg/kg dry	57.1	29.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	422		µg/kg dry	57.1	33.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.1		µg/kg dry	57.1	35.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.1		µg/kg dry	57.1	53.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.1		µg/kg dry	57.1	23.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322512	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IB-C4B-BR1-20"	183572.4445.00710	Brick	13-Sep-13 10:32	17-Sep-13
SB76862-14				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.3		µg/kg dry	63.3	47.3	1	SW846 8082A	17-Sep-13	18-Sep-13	BLM	1322434	X
11104-28-2	Aroclor-1221	< 63.3		µg/kg dry	63.3	57.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.3		µg/kg dry	63.3	40.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.3		µg/kg dry	63.3	38.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.3		µg/kg dry	63.3	32.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	288		µg/kg dry	63.3	37.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.3		µg/kg dry	63.3	39.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.3		µg/kg dry	63.3	59.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.3		µg/kg dry	63.3	26.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	18-Sep-13	18-Sep-13	DT	1322512	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1322434 - SW846 3540C										
Blank (1322434-BLK1)						Prepared: 17-Sep-13 Analyzed: 18-Sep-13				
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C[	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
LCS (1322434-BS1)						Prepared: 17-Sep-13 Analyzed: 18-Sep-13				
Aroclor-1016	**813**		µg/kg wet	66.7	833		98	40-140		
Aroclor-1016 [2C]	**833**		µg/kg wet	66.7	833		100	40-140		
Aroclor-1260	**657**		µg/kg wet	66.7	833		79	40-140		
Aroclor-1260 [2C]	**1050**		µg/kg wet	66.7	833		126	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*80.0*		µg/kg wet		*66.7*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*100*		µg/kg wet		*66.7*		*150*	*30-150*		
LCS Dup (1322434-BSD1)						Prepared: 17-Sep-13 Analyzed: 18-Sep-13				
Aroclor-1016	**813**		µg/kg wet	66.7	833		98	40-140	0	30
Aroclor-1016 [2C]	**853**		µg/kg wet	66.7	833		102	40-140	2	30
Aroclor-1260	**720**		µg/kg wet	66.7	833		86	40-140	9	30
Aroclor-1260 [2C]	**1090**		µg/kg wet	66.7	833		131	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*83.3*		µg/kg wet		*66.7*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*73.3*		µg/kg wet		*66.7*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*100*		µg/kg wet		*66.7*		*150*	*30-150*		
Duplicate (1322434-DUP1)			**Source: SB76862-01**			Prepared: 17-Sep-13 Analyzed: 18-Sep-13				
Aroclor-1016	< 59.3		µg/kg dry	59.3		BRL				30
Aroclor-1016 [2C]	< 59.3		µg/kg dry	59.3		BRL				30
Aroclor-1221	< 59.3		µg/kg dry	59.3		BRL				30
Aroclor-1221 [2C]	< 59.3		µg/kg dry	59.3		BRL				30
Aroclor-1232	< 59.3		µg/kg dry	59.3		BRL				30
Aroclor-1232 [2C]	< 59.3		µg/kg dry	59.3		BRL				30
Aroclor-1242	< 59.3		µg/kg dry	59.3		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1322434 - SW846 3540C										
Duplicate (1322434-DUP1)			**Source: SB76862-01**		Prepared: 17-Sep-13 Analyzed: 18-Sep-13					
Aroclor-1242 [2C]	< 59.3		µg/kg dry	59.3		BRL				30
Aroclor-1248	< 59.3		µg/kg dry	59.3		BRL				30
Aroclor-1248 [2C]	< 59.3		µg/kg dry	59.3		BRL				30
Aroclor-1254	**175**		µg/kg dry	59.3		138			23	30
Aroclor-1254 [2C]	**172**	QR5	µg/kg dry	59.3		115			40	30
Aroclor-1260	< 59.3		µg/kg dry	59.3		BRL				30
Aroclor-1260 [2C]	< 59.3		µg/kg dry	59.3		BRL				30
Aroclor-1262	< 59.3		µg/kg dry	59.3		BRL				30
Aroclor-1262 [2C]	< 59.3		µg/kg dry	59.3		BRL				30
Aroclor-1268	< 59.3		µg/kg dry	59.3		BRL				30
Aroclor-1268 [2C]	< 59.3		µg/kg dry	59.3		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*38.5*		µg/kg dry		*59.3*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*35.6*		µg/kg dry		*59.3*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*32.6*		µg/kg dry		*59.3*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*41.5*		µg/kg dry		*59.3*		*70*	*30-150*		
Matrix Spike (1322434-MS1)			**Source: SB76862-01**		Prepared: 17-Sep-13 Analyzed: 18-Sep-13					
Aroclor-1016	**548**		µg/kg dry	57.4	717	BRL	76	40-140		
Aroclor-1016 [2C]	**473**		µg/kg dry	57.4	717	BRL	66	40-140		
Aroclor-1260	**442**		µg/kg dry	57.4	717	BRL	62	40-140		
Aroclor-1260 [2C]	**488**		µg/kg dry	57.4	717	BRL	68	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*40.1*		µg/kg dry		*57.4*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*40.1*		µg/kg dry		*57.4*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*37.3*		µg/kg dry		*57.4*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*43.0*		µg/kg dry		*57.4*		*75*	*30-150*		
Matrix Spike Dup (1322434-MSD1)			**Source: SB76862-01**		Prepared: 17-Sep-13 Analyzed: 18-Sep-13					
Aroclor-1016	**464**		µg/kg dry	52.8	660	BRL	70	40-140	8	30
Aroclor-1016 [2C]	**383**		µg/kg dry	52.8	660	BRL	58	40-140	13	30
Aroclor-1260	**343**		µg/kg dry	52.8	660	BRL	52	40-140	17	30
Aroclor-1260 [2C]	**406**		µg/kg dry	52.8	660	BRL	62	40-140	10	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*34.3*		µg/kg dry		*52.8*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*31.7*		µg/kg dry		*52.8*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*29.0*		µg/kg dry		*52.8*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*36.9*		µg/kg dry		*52.8*		*70*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1322512 - General Preparation										
Duplicate (1322512-DUP1)			**Source: SB76862-01**			Prepared & Analyzed: 18-Sep-13				
% Solids	**99.7**		%			99.8			0.1	20

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QR5	RPD out of acceptance range.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk
Nicole Leja

utilize CT DAS Rates

SC[illegible]362 JB

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☑ Rush TAT - Date Needed: 48 HR TAT
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: H. Laliberte
21 Griffin Rd North
Windsor, CT 06095

Telephone #: 860 798 5689
Project Mgr. H. Laliberte

Invoice To: H. Laliberte

P.O. No.: 183572 RQN:

Project No.: 183572-4445-00710
Site Name: CT DOT-BIA-FAB
Location: Windsor Locks State: CT
Sampler(s): M. Kostruba/T. Martin

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= Brick X3=

G=Grab C=Composite

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☑ No☐

QA/QC Reporting Level
☑ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	TPH/BTEX	State-specific reporting standards:
162602-01	IB-C2-C018-12"	9/12/13	0820	G	X1			1		X	Air Side - West
02	IB-C2-C018-6"		0823							X	
03	IB-C2-C018-3"		0825							X	
04	IB-C2-C018-0"		0835							X	
05	IB-C2-C019-12"		0845							X	Air Side - Central
06	IB-C2-C019-6"		0848							X	
07	IB-C2-C019-3"		0854							X	
08	IB-C2-C019-0"		0901							X	
09	IB-C3-Gr1-0"		0912							X	Stair 1 escalator
10	IB-C3-Gr7-0"		0922		X2					X	Hall o/s rm 172

Relinquished by:	Received by:	Date:	Time:	Temp°C
Tom [illegible]	[illegible]	9-17-13	3:35p	
[illegible]	[illegible]	9/17/13	1633	
3.7/-1/2.7 IR 01				

☐ EDD Format
☑ E-mail to HLaliberte@TRCSolutions.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☑ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

* utilize CT DAS Rates *

SB76862-JB

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 48 HR
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: H. Laliberte
See pg 1

Telephone #: 860 792 5684
Project Mgr. H. Laliberte

Invoice To: H. Laliberte

P.O. No.: 123572 RQN:

Project No.: 123572-4445-00210
Site Name: CT DOT - BIA - IAB
Location: Windsor Locks State: CT
Sampler(s): MK/Tom

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= Brick X3=

G=Grab C=Composite

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCB2/3546C							State-specific reporting standards:
76862-11	IB-C3-BR7-0"	9/13/13	1040	G	X2			1		X							Room 7B
12	IB-C3-BR9-0"	↓	1055	↓	↓			↓		X							O/S Boiler Room
13	IB-C4B-BR1-16"		1025							X							Public side-Ext-Ground
14	IB-C4B-BR1-20"		1030							X							↓

37/-1/2-IR C1

Relinquished by:	Received by:	Date:	Time:	Temp°C
Tom Marr	[illegible]	9-17-13	3:35p	
[illegible]	[illegible]	9/17/13	1635	

☐ EDD Format
☒ E-mail to HLaliberte@TRCsolutions.com

Condition upon receipt: / Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Report Date:
05-Sep-13 15:08

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

#1
Murphy Terminal

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Henry Laliberte

Project: BIA-Concourse A-Windsor Locks, CT
Project #: 183572.4445.0710

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB75966-01	MT-C2-CO1-0"	Concrete	27-Aug-13 13:16	30-Aug-13 16:45
SB75966-02	MT-C2-CM1-0"	Concrete	27-Aug-13 14:25	30-Aug-13 16:45
SB75966-03	MT-C2-CM2-0"	Concrete	27-Aug-13 14:30	30-Aug-13 16:45
SB75966-04	MT-C2-BR1-0"	Brick	27-Aug-13 13:10	30-Aug-13 16:45
SB75966-05	MT-C2-BR2-0"	Brick	27-Aug-13 13:40	30-Aug-13 16:45
SB75966-06	MT-C12-CO1-0"	Concrete	28-Aug-13 08:35	30-Aug-13 16:45
SB75966-07	MT-C12-CO2-0"	Concrete	28-Aug-13 08:40	30-Aug-13 16:45
SB75966-08	MT-C12-BR1-0"	Brick	28-Aug-13 08:45	30-Aug-13 16:45
SB75966-09	MT-C15-FB1-0"	Concrete	27-Aug-13 11:17	30-Aug-13 16:45
SB75966-10	MT-C15-FB2-0"	Concrete	27-Aug-13 11:25	30-Aug-13 16:45
SB75966-11	MT-C15-CM1-0"	Concrete	27-Aug-13 08:10	30-Aug-13 16:45
SB75966-12	MT-C15-BR1-0"	Brick	27-Aug-13 09:15	30-Aug-13 16:45
SB75966-13	MT-C15-BR2-0"	Brick	27-Aug-13 09:35	30-Aug-13 16:45
SB75966-14	MT-C15-BR3-0"	Brick	27-Aug-13 09:40	30-Aug-13 16:45
SB75966-15	MT-C15-BR4-0"	Brick	27-Aug-13 09:45	30-Aug-13 16:45
SB75966-16	MT-C15-BR5-0"	Brick	27-Aug-13 11:05	30-Aug-13 16:45
SB75966-17	MT-C1	Concrete	28-Aug-13 09:12	30-Aug-13 16:45
SB75966-18	MT-C2	Concrete	28-Aug-13 09:25	30-Aug-13 16:45
SB75966-19	MT-C3	Concrete	28-Aug-13 09:16	30-Aug-13 16:45
SB75966-20	MT-C4	Concrete	28-Aug-13 09:30	30-Aug-13 16:45
SB75966-21	MT-A1	Asphalt	28-Aug-13 09:35	30-Aug-13 16:45
SB75966-22	MT-A2	Asphalt	28-Aug-13 09:40	30-Aug-13 16:45
SB75966-23	MT-A3	Asphalt	29-Aug-13 09:05	30-Aug-13 16:45
SB75966-24	MT-A4	Asphalt	29-Aug-13 09:10	30-Aug-13 16:45
SB75966-25	MT-A5	Asphalt	29-Aug-13 09:15	30-Aug-13 16:45
SB75966-26	MT-A6	Asphalt	29-Aug-13 09:18	30-Aug-13 16:45
SB75966-27	MT-A7	Asphalt	29-Aug-13 09:24	30-Aug-13 16:45
SB75966-28	MT-A8	Asphalt	29-Aug-13 09:30	30-Aug-13 16:45
SB75966-29	MT-A9	Asphalt	29-Aug-13 09:50	30-Aug-13 16:45
SB75966-30	MT-A10	Asphalt	29-Aug-13 09:53	30-Aug-13 16:45
SB75966-31	MT-A11	Asphalt	29-Aug-13 09:57	30-Aug-13 16:45
SB75966-32	MT-C5	Concrete	29-Aug-13 10:08	30-Aug-13 16:45
SB75966-33	MT-C6	Concrete	29-Aug-13 10:12	30-Aug-13 16:45
SB75966-34	MT-C7	Concrete	29-Aug-13 10:14	30-Aug-13 16:45
SB75966-35	MT-C8	Concrete	29-Aug-13 10:16	30-Aug-13 16:45
SB75966-36	MT-C9	Concrete	29-Aug-13 10:30	30-Aug-13 16:45
SB75966-37	MT-C10	Concrete	29-Aug-13 11:00	30-Aug-13 16:45

SB75966-38	MT-C11	Concrete	29-Aug-13 11:02	30-Aug-13 16:45
SB75966-39	MT-C12	Concrete	29-Aug-13 11:04	30-Aug-13 16:45
SB75966-40	MT-C13	Concrete	29-Aug-13 11:07	30-Aug-13 16:45
SB75966-41	MT-C14	Concrete	29-Aug-13 11:08	30-Aug-13 16:45
SB75966-42	MT-C15	Concrete	29-Aug-13 11:11	30-Aug-13 16:45
SB75966-43	MT-C16	Concrete	29-Aug-13 11:14	30-Aug-13 16:45
SB75966-44	MT-C17	Concrete	29-Aug-13 11:15	30-Aug-13 16:45
SB75966-45	MT-C18	Concrete	29-Aug-13 11:18	30-Aug-13 16:45
SB75966-46	MT-C19	Concrete	29-Aug-13 15:20	30-Aug-13 16:45
SB75966-47	MT-C20	Concrete	29-Aug-13 15:35	30-Aug-13 16:45
SB75966-48	MT-C2-BR3-0"	Brick	29-Aug-13 08:50	30-Aug-13 16:45
SB75966-49	MT-C2-BR4-0"	Brick	29-Aug-13 08:55	30-Aug-13 16:45
SB75966-50	MT-C11-A1-0"	Asphalt	29-Aug-13 10:40	30-Aug-13 16:45
SB75966-51	MT-C15-BR6-0"	Brick	30-Aug-13 09:50	30-Aug-13 16:45
SB75966-52	MT-C15-BR7-0"	Brick	30-Aug-13 09:55	30-Aug-13 16:45
SB75966-53	MT-C15-BR8-0"	Brick	30-Aug-13 10:00	30-Aug-13 16:45
SB75966-54	MT-C15-BR9-0"	Brick	30-Aug-13 10:05	30-Aug-13 16:45
SB75966-55	MT-C15-BR10-0"	Brick	30-Aug-13 10:10	30-Aug-13 16:45
SB75966-56	MT-C15-CO1-0"	Concrete	30-Aug-13 10:20	30-Aug-13 16:45
SB75966-57	MT-C20-CO1-0"	Concrete	29-Aug-13 09:00	30-Aug-13 16:45
SB75966-58	MT-C33-CO1-0"	Concrete	29-Aug-13 15:00	30-Aug-13 16:45

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 70 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: BIA-Concourse A-Windsor Locks, CT

Project Number: 183572.4445.0710

Sampling Date(s):
8/27/2013 through 8/30/2013

Laboratory Sample ID(s):
SB75966-01 through SB75966-58

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Nicole Leja

Nicole Leja
Laboratory Director
Date: 9/5/2013

CASE NARRATIVE:

The samples were received 1.4 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.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. 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.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Spikes:

1321031-MSD1 *Source: SB75966-06*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Aroclor-1260
Aroclor-1260 [2C]

Samples:

SB75966-29 *MT-A9*

The Reporting Limit has been raised to account for matrix interference.

Aroclor-1248

Sample Acceptance Check Form

Client:	TRC - Windsor, CT
Project:	BIA-Concourse A-Windsor Locks, CT / 183572.4445.0710
Work Order:	SB75966
Sample(s) received on:	8/30/2013
Received by:	Jessica Hoffman

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
1. Were custody seals present?	☐	☑	☐
2. Were custody seals intact?	☐	☐	☑
3. Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
4. Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
5. Were samples refrigerated upon transfer to laboratory representative?	☐	☑	☐
6. Were sample containers received intact?	☑	☐	☐
7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
8. Were samples accompanied by a Chain of Custody document?	☑	☐	☐
9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☑	☐	☐
10. Did sample container labels agree with Chain of Custody document?	☑	☐	☐
11. Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C2-CO1-0"	183572.4445.0710	Concrete	27-Aug-13 13:16	30-Aug-13
SB75966-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.9		µg/kg dry	63.9	47.7	1	SW846 8082A	30-Aug-13	03-Sep-13	IMR	1321030	X
11104-28-2	Aroclor-1221	< 63.9		µg/kg dry	63.9	57.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.9		µg/kg dry	63.9	41.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.9		µg/kg dry	63.9	38.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.9		µg/kg dry	63.9	33.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.9		µg/kg dry	63.9	53.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	86.2		µg/kg dry	63.9	32.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.9		µg/kg dry	63.9	59.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.9		µg/kg dry	63.9	26.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321100	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C2-CM1-0"	183572.4445.0710	Concrete	27-Aug-13 14:25	30-Aug-13
[illegible]5966-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.9		µg/kg dry	64.9	48.5	1	SW846 8082A	30-Aug-13	03-Sep-13	IMR	1321030	X
11104-28-2	Aroclor-1221	< 64.9		µg/kg dry	64.9	58.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.9		µg/kg dry	64.9	41.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.9		µg/kg dry	64.9	39.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.9		µg/kg dry	64.9	33.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.9		µg/kg dry	64.9	54.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	127		µg/kg dry	64.9	40.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.9		µg/kg dry	64.9	60.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.9		µg/kg dry	64.9	26.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321100	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C2-CM2-0"	183572.4445.0710	Concrete	27-Aug-13 14:30	30-Aug-13
SB75966-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.5		µg/kg dry	62.5	46.7	1	SW846 8082A	30-Aug-13	03-Sep-13	IMR	1321030	X
11104-28-2	Aroclor-1221	< 62.5		µg/kg dry	62.5	56.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.5		µg/kg dry	62.5	40.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.5		µg/kg dry	62.5	37.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.5		µg/kg dry	62.5	32.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.5		µg/kg dry	62.5	52.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	109		µg/kg dry	62.5	38.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.5		µg/kg dry	62.5	58.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.5		µg/kg dry	62.5	25.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321100	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C2-BR1-0"	183572.4445.0710	Brick	27-Aug-13 13:10	30-Aug-13
[redacted]66-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.1		µg/kg dry	57.1	42.7	1	SW846 8082A	30-Aug-13	03-Sep-13	IMR	1321030	X
11104-28-2	Aroclor-1221	< 57.1		µg/kg dry	57.1	51.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.1		µg/kg dry	57.1	36.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.1		µg/kg dry	57.1	34.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.1		µg/kg dry	57.1	29.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 57.1		µg/kg dry	57.1	47.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.1		µg/kg dry	57.1	35.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.1		µg/kg dry	57.1	53.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.1		µg/kg dry	57.1	23.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321100	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C2-BR2-0"	183572.4445.0710	Brick	27-Aug-13 13:40	30-Aug-13
SB75966-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.5		µg/kg dry	62.5	46.7	1	SW846 8082A	30-Aug-13	03-Sep-13	IMR	1321030	X
11104-28-2	Aroclor-1221	< 62.5		µg/kg dry	62.5	56.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.5		µg/kg dry	62.5	40.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.5		µg/kg dry	62.5	37.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.5		µg/kg dry	62.5	32.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.5		µg/kg dry	62.5	52.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.5		µg/kg dry	62.5	38.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.5		µg/kg dry	62.5	58.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.5		µg/kg dry	62.5	25.8	1	"	"	"	"	"	X
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)*	60			30-150 %			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	65			30-150 %			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.8		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321100	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C12-CO1-0"	183572.4445.0710	Concrete	28-Aug-13 08:35	30-Aug-13
[redacted]966-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.1		µg/kg dry	62.1	46.4	1	SW846 8082A	30-Aug-13	03-Sep-13	BLM	1321031	X
11104-28-2	Aroclor-1221	< 62.1		µg/kg dry	62.1	56.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.1		µg/kg dry	62.1	39.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.1		µg/kg dry	62.1	37.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.1		µg/kg dry	62.1	32.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.1		µg/kg dry	62.1	51.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	960		µg/kg dry	62.1	38.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.1		µg/kg dry	62.1	57.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.1		µg/kg dry	62.1	25.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321100	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C12-CO2-0"	183572.4445.0710	Concrete	28-Aug-13 08:40	30-Aug-13
SB75966-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.6		µg/kg dry	66.6	49.8	1	SW846 8082A	30-Aug-13	03-Sep-13	BLM	1321031	X
11104-28-2	Aroclor-1221	< 66.6		µg/kg dry	66.6	60.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.6		µg/kg dry	66.6	42.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.6		µg/kg dry	66.6	40.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.6		µg/kg dry	66.6	34.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.6		µg/kg dry	66.6	55.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**719**		µg/kg dry	66.6	41.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.6		µg/kg dry	66.6	62.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.6		µg/kg dry	66.6	27.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*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]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321100	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C12-BR1-0"	183572.4445.0710	Brick	28-Aug-13 08:45	30-Aug-13
[illegible]966-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.5		µg/kg dry	60.5	45.2	1	SW846 8082A	30-Aug-13	03-Sep-13	BLM	1321031	X
11104-28-2	Aroclor-1221	< 60.5		µg/kg dry	60.5	54.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.5		µg/kg dry	60.5	38.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.5		µg/kg dry	60.5	36.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.5		µg/kg dry	60.5	31.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.5		µg/kg dry	60.5	50.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	920		µg/kg dry	60.5	37.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.5		µg/kg dry	60.5	56.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.5		µg/kg dry	60.5	25.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321100	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C15-FB1-0"	183572.4445.0710	Concrete	27-Aug-13 11:17	30-Aug-13
SB75966-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.6		µg/kg dry	63.6	47.5	1	SW846 8082A	30-Aug-13	03-Sep-13	BLM	1321031	X
11104-28-2	Aroclor-1221	< 63.6		µg/kg dry	63.6	57.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.6		µg/kg dry	63.6	40.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.6		µg/kg dry	63.6	38.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.6		µg/kg dry	63.6	33.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.6		µg/kg dry	63.6	53.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.6		µg/kg dry	63.6	39.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.6		µg/kg dry	63.6	59.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.6		µg/kg dry	63.6	26.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.7		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321100	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C15-FB2-0"	183572.4445.0710	Concrete	27-Aug-13 11:25	30-Aug-13
[redacted]966-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.1		µg/kg dry	63.1	47.2	1	SW846 8082A	30-Aug-13	03-Sep-13	BLM	1321031	X
11104-28-2	Aroclor-1221	< 63.1		µg/kg dry	63.1	56.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.1		µg/kg dry	63.1	40.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.1		µg/kg dry	63.1	38.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.1		µg/kg dry	63.1	32.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.1		µg/kg dry	63.1	52.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.1		µg/kg dry	63.1	39.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.1		µg/kg dry	63.1	58.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.1		µg/kg dry	63.1	26.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.5		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321102	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C15-CM1-0"	183572.4445.0710	Concrete	27-Aug-13 08:10	30-Aug-13
SB75966-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.3		µg/kg dry	66.3	49.5	1	SW846 8082A	30-Aug-13	03-Sep-13	BLM	1321031	X
11104-28-2	Aroclor-1221	< 66.3		µg/kg dry	66.3	59.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.3		µg/kg dry	66.3	42.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.3		µg/kg dry	66.3	39.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.3		µg/kg dry	66.3	34.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.3		µg/kg dry	66.3	55.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	106		µg/kg dry	66.3	41.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.3		µg/kg dry	66.3	61.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.3		µg/kg dry	66.3	27.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321102	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C15-BR1-0"	183572.4445.0710	Brick	27-Aug-13 09:15	30-Aug-13
SB16966-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 69.8		µg/kg dry	69.8	52.2	1	SW846 8082A	30-Aug-13	03-Sep-13	BLM	1321031	X
11104-28-2	Aroclor-1221	< 69.8		µg/kg dry	69.8	62.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 69.8		µg/kg dry	69.8	44.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 69.8		µg/kg dry	69.8	42.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 69.8		µg/kg dry	69.8	36.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 69.8		µg/kg dry	69.8	58.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 69.8		µg/kg dry	69.8	43.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 69.8		µg/kg dry	69.8	65.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 69.8		µg/kg dry	69.8	28.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	94.8		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321102	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C15-BR2-0"	183572.4445.0710	Brick	27-Aug-13 09:35	30-Aug-13
SB75966-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 67.2		µg/kg dry	67.2	50.2	1	SW846 8082A	30-Aug-13	03-Sep-13	BLM	1321031	X
11104-28-2	Aroclor-1221	< 67.2		µg/kg dry	67.2	60.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 67.2		µg/kg dry	67.2	43.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 67.2		µg/kg dry	67.2	40.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 67.2		µg/kg dry	67.2	34.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 67.2		µg/kg dry	67.2	56.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 67.2		µg/kg dry	67.2	41.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 67.2		µg/kg dry	67.2	62.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 67.2		µg/kg dry	67.2	27.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321102	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C15-BR3-0"	183572.4445.0710	Brick	27-Aug-13 09:40	30-Aug-13
[illegible]966-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.7		µg/kg dry	63.7	47.6	1	SW846 8082A	30-Aug-13	03-Sep-13	BLM	1321031	X
11104-28-2	Aroclor-1221	< 63.7		µg/kg dry	63.7	57.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.7		µg/kg dry	63.7	40.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.7		µg/kg dry	63.7	38.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.7		µg/kg dry	63.7	33.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.7		µg/kg dry	63.7	53.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.7		µg/kg dry	63.7	39.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.7		µg/kg dry	63.7	59.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.7		µg/kg dry	63.7	26.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.8		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321102	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C15-BR4-0"	183572.4445.0710	Brick	27-Aug-13 09:45	30-Aug-13
SB75966-15				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.5		µg/kg dry	57.5	43.0	1	SW846 8082A	30-Aug-13	03-Sep-13	BLM	1321031	X
11104-28-2	Aroclor-1221	< 57.5		µg/kg dry	57.5	51.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.5		µg/kg dry	57.5	36.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.5		µg/kg dry	57.5	34.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.5		µg/kg dry	57.5	29.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 57.5		µg/kg dry	57.5	47.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.5		µg/kg dry	57.5	35.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.5		µg/kg dry	57.5	53.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.5		µg/kg dry	57.5	23.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321102	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C15-BR5-0"	183572.4445.0710	Brick	27-Aug-13 11:05	30-Aug-13
[redacted]966-16				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 67.6		µg/kg dry	67.6	50.5	1	SW846 8082A	30-Aug-13	03-Sep-13	BLM	1321031	X
11104-28-2	Aroclor-1221	< 67.6		µg/kg dry	67.6	60.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 67.6		µg/kg dry	67.6	43.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 67.6		µg/kg dry	67.6	40.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 67.6		µg/kg dry	67.6	35.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 67.6		µg/kg dry	67.6	56.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 67.6		µg/kg dry	67.6	41.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 67.6		µg/kg dry	67.6	62.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 67.6		µg/kg dry	67.6	27.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*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]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	97.7		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321102	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C1	183572.4445.0710	Concrete	28-Aug-13 09:12	30-Aug-13
SB75966-17				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.4		µg/kg dry	62.4	46.6	1	SW846 8082A	30-Aug-13	03-Sep-13	BLM	1321031	X
11104-28-2	Aroclor-1221	< 62.4		µg/kg dry	62.4	56.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.4		µg/kg dry	62.4	40.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.4		µg/kg dry	62.4	37.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.4		µg/kg dry	62.4	32.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.4		µg/kg dry	62.4	52.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	178		µg/kg dry	62.4	38.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.4		µg/kg dry	62.4	58.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.4		µg/kg dry	62.4	25.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.9		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321102	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C2 S[illegible]66-18	183572.4445.0710	Concrete	28-Aug-13 09:25	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.8		µg/kg dry	60.8	45.4	1	SW846 8082A	30-Aug-13	03-Sep-13	BLM	1321031	X
11104-28-2	Aroclor-1221	< 60.8		µg/kg dry	60.8	54.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.8		µg/kg dry	60.8	39.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.8		µg/kg dry	60.8	36.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.8		µg/kg dry	60.8	31.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.8		µg/kg dry	60.8	50.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.8		µg/kg dry	60.8	37.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.8		µg/kg dry	60.8	56.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.8		µg/kg dry	60.8	25.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.2		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321102	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C3	183572.4445.0710	Concrete	28-Aug-13 09:16	30-Aug-13
SB75966-19				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.7		µg/kg dry	62.7	46.8	1	SW846 8082A	30-Aug-13	03-Sep-13	BLM	1321031	X
11104-28-2	Aroclor-1221	< 62.7		µg/kg dry	62.7	56.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.7		µg/kg dry	62.7	40.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.7		µg/kg dry	62.7	37.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.7		µg/kg dry	62.7	32.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.7		µg/kg dry	62.7	52.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.7		µg/kg dry	62.7	38.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.7		µg/kg dry	62.7	58.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.7		µg/kg dry	62.7	25.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**95.3**		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321102	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C4 [redacted]966-20	183572.4445.0710	Concrete	28-Aug-13 09:30	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.3		µg/kg dry	65.3	48.7	1	SW846 8082A	30-Aug-13	03-Sep-13	BLM	1321031	X
11104-28-2	Aroclor-1221	< 65.3		µg/kg dry	65.3	58.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.3		µg/kg dry	65.3	41.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.3		µg/kg dry	65.3	39.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.3		µg/kg dry	65.3	33.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.3		µg/kg dry	65.3	54.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.3		µg/kg dry	65.3	40.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.3		µg/kg dry	65.3	60.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.3		µg/kg dry	65.3	26.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.9		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321102	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-A1 SB75966-21	183572.4445.0710	Asphalt	28-Aug-13 09:35	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.6		µg/kg dry	64.6	48.3	1	SW846 8082A	30-Aug-13	03-Sep-13	BLM	1321031	X
11104-28-2	Aroclor-1221	< 64.6		µg/kg dry	64.6	58.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.6		µg/kg dry	64.6	41.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.6		µg/kg dry	64.6	38.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.6		µg/kg dry	64.6	33.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.6		µg/kg dry	64.6	53.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.6		µg/kg dry	64.6	40.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.6		µg/kg dry	64.6	60.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.6		µg/kg dry	64.6	26.6	1	"	"	"	"	"	X
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)*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*35*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.9		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321102	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-A2 [illegible]966-22	183572.4445.0710	Asphalt	28-Aug-13 09:40	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.0		µg/kg dry	61.0	45.6	1	SW846 8082A	30-Aug-13	03-Sep-13	BLM	1321031	X
11104-28-2	Aroclor-1221	< 61.0		µg/kg dry	61.0	54.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.0		µg/kg dry	61.0	39.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.0		µg/kg dry	61.0	36.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.0		µg/kg dry	61.0	31.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.0		µg/kg dry	61.0	50.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.0		µg/kg dry	61.0	37.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.0		µg/kg dry	61.0	56.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.0		µg/kg dry	61.0	25.2	1	"	"	"	"	"	X
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)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321102	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-A3	183572.4445.0710	Asphalt	29-Aug-13 09:05	30-Aug-13
SB75966-23				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cer
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.8		µg/kg dry	62.8	46.9	1	SW846 8082A	30-Aug-13	03-Sep-13	BLM	1321031	X
11104-28-2	Aroclor-1221	< 62.8		µg/kg dry	62.8	56.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.8		µg/kg dry	62.8	40.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.8		µg/kg dry	62.8	37.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.8		µg/kg dry	62.8	32.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.8		µg/kg dry	62.8	52.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.8		µg/kg dry	62.8	39.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.8		µg/kg dry	62.8	58.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.8		µg/kg dry	62.8	25.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.0		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321102	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-A4 [redacted]66-24	183572.4445.0710	Asphalt	29-Aug-13 09:10	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.9		µg/kg dry	64.9	48.5	1	SW846 8082A	30-Aug-13	03-Sep-13	BLM	1321031	X
11104-28-2	Aroclor-1221	< 64.9		µg/kg dry	64.9	58.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.9		µg/kg dry	64.9	41.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.9		µg/kg dry	64.9	39.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.9		µg/kg dry	64.9	33.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.9		µg/kg dry	64.9	54.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.9		µg/kg dry	64.9	40.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.9		µg/kg dry	64.9	60.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.9		µg/kg dry	64.9	26.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.5		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321102	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-A5	183572.4445.0710	Asphalt	29-Aug-13 09:15	30-Aug-13
SB75966-25				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.5		µg/kg dry	60.5	45.2	1	SW846 8082A	30-Aug-13	03-Sep-13	BLM	1321031	X
11104-28-2	Aroclor-1221	< 60.5		µg/kg dry	60.5	54.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.5		µg/kg dry	60.5	38.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.5		µg/kg dry	60.5	36.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.5		µg/kg dry	60.5	31.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.5		µg/kg dry	60.5	50.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.5		µg/kg dry	60.5	37.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.5		µg/kg dry	60.5	56.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.5		µg/kg dry	60.5	25.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321102	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-A6 S[illegible]66-26	183572.4445.0710	Asphalt	29-Aug-13 09:18	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.4		µg/kg dry	65.4	48.9	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321032	X
11104-28-2	Aroclor-1221	< 65.4		µg/kg dry	65.4	58.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.4		µg/kg dry	65.4	42.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.4		µg/kg dry	65.4	39.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.4		µg/kg dry	65.4	34.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.4		µg/kg dry	65.4	54.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.4		µg/kg dry	65.4	40.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.4		µg/kg dry	65.4	60.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.4		µg/kg dry	65.4	27.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321102	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-A7	183572.4445.0710	Asphalt	29-Aug-13 09:24	30-Aug-13
SB75966-27				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 57.8		µg/kg dry	57.8	43.2	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321032	X
11104-28-2	Aroclor-1221	< 57.8		µg/kg dry	57.8	52.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 57.8		µg/kg dry	57.8	37.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 57.8		µg/kg dry	57.8	34.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 57.8		µg/kg dry	57.8	30.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 57.8		µg/kg dry	57.8	48.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 57.8		µg/kg dry	57.8	35.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 57.8		µg/kg dry	57.8	53.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 57.8		µg/kg dry	57.8	23.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321102	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-A8	183572.4445.0710	Asphalt	29-Aug-13 09:30	30-Aug-13
S[illegible]66-28				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.7		µg/kg dry	60.7	45.3	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321032	X
11104-28-2	Aroclor-1221	< 60.7		µg/kg dry	60.7	54.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.7		µg/kg dry	60.7	38.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.7		µg/kg dry	60.7	36.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.7		µg/kg dry	60.7	31.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.7		µg/kg dry	60.7	50.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.7		µg/kg dry	60.7	37.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.7		µg/kg dry	60.7	56.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.7		µg/kg dry	60.7	25.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.4		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321102	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-A9 SB75966-29	183572.4445.0710	Asphalt	29-Aug-13 09:50	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.8		µg/kg dry	65.8	49.2	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321032	X
11104-28-2	Aroclor-1221	< 65.8		µg/kg dry	65.8	59.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.8		µg/kg dry	65.8	42.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.8		µg/kg dry	65.8	39.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 329	R01	µg/kg dry	329	171	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.8		µg/kg dry	65.8	54.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.8		µg/kg dry	65.8	40.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.8		µg/kg dry	65.8	61.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.8		µg/kg dry	65.8	27.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321102	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-A10 [redacted]966-30	183572.4445.0710	Asphalt	29-Aug-13 09:53	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.6		µg/kg dry	60.6	45.3	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321032	X
11104-28-2	Aroclor-1221	< 60.6		µg/kg dry	60.6	54.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.6		µg/kg dry	60.6	38.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.6		µg/kg dry	60.6	36.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	139		µg/kg dry	60.6	31.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.6		µg/kg dry	60.6	50.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.6		µg/kg dry	60.6	37.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.6		µg/kg dry	60.6	56.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.6		µg/kg dry	60.6	25.0	1	"	"	"	"	"	X
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)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321104	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-A11	183572.4445.0710	Asphalt	29-Aug-13 09:57	30-Aug-13
SB75966-31				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.3		µg/kg dry	61.3	45.8	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321032	X
11104-28-2	Aroclor-1221	< 61.3		µg/kg dry	61.3	55.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.3		µg/kg dry	61.3	39.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.3		µg/kg dry	61.3	36.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.3		µg/kg dry	61.3	31.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.3		µg/kg dry	61.3	51.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.3		µg/kg dry	61.3	38.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.3		µg/kg dry	61.3	57.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.3		µg/kg dry	61.3	25.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.1		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321104	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C5 [redacted]66-32	183572.4445.0710	Concrete	29-Aug-13 10:08	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.0		µg/kg dry	62.0	46.3	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321032	X
11104-28-2	Aroclor-1221	< 62.0		µg/kg dry	62.0	55.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.0		µg/kg dry	62.0	39.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.0		µg/kg dry	62.0	37.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.0		µg/kg dry	62.0	32.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.0		µg/kg dry	62.0	51.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.0		µg/kg dry	62.0	38.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.0		µg/kg dry	62.0	57.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.0		µg/kg dry	62.0	25.6	1	"	"	"	"	"	X
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)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*35*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	98.1		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321104	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C6 SB75966-33	183572.4445.0710	Concrete	29-Aug-13 10:12	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.2		µg/kg dry	65.2	48.7	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321032	X
11104-28-2	Aroclor-1221	< 65.2		µg/kg dry	65.2	58.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.2		µg/kg dry	65.2	41.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.2		µg/kg dry	65.2	39.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1246	< 65.2		µg/kg dry	65.2	33.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.2		µg/kg dry	65.2	54.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.2		µg/kg dry	65.2	40.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.2		µg/kg dry	65.2	60.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.2		µg/kg dry	65.2	26.9	1	"	"	"	"	"	X
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)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*35*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.2		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321104	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C7	183572.4445.0710	Concrete	29-Aug-13 10:14	30-Aug-13
[illegible]966-34				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 66.1		µg/kg dry	66.1	49.4	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321032	X
11104-28-2	Aroclor-1221	< 66.1		µg/kg dry	66.1	59.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.1		µg/kg dry	66.1	42.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.1		µg/kg dry	66.1	39.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.1		µg/kg dry	66.1	34.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.1		µg/kg dry	66.1	55.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 66.1		µg/kg dry	66.1	41.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.1		µg/kg dry	66.1	61.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.1		µg/kg dry	66.1	27.3	1	"	"	"	"	"	X
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)*	*60*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.9		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321104	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C8 SB75966-35	183572.4445.0710	Concrete	29-Aug-13 10:16	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 59.5		µg/kg dry	59.5	44.4	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321032	X
11104-28-2	Aroclor-1221	< 59.5		µg/kg dry	59.5	53.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.5		µg/kg dry	59.5	38.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.5		µg/kg dry	59.5	35.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.5		µg/kg dry	59.5	30.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 59.5		µg/kg dry	59.5	49.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 59.5		µg/kg dry	59.5	36.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.5		µg/kg dry	59.5	55.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.5		µg/kg dry	59.5	24.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.9		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321104	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C9	183572.4445.0710	Concrete	29-Aug-13 10:30	30-Aug-13
SB[illegible]966-36				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.3		µg/kg dry	64.3	48.0	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321032	X
11104-28-2	Aroclor-1221	< 64.3		µg/kg dry	64.3	57.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.3		µg/kg dry	64.3	41.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.3		µg/kg dry	64.3	38.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.3		µg/kg dry	64.3	33.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.3		µg/kg dry	64.3	53.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.3		µg/kg dry	64.3	39.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.3		µg/kg dry	64.3	59.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.3		µg/kg dry	64.3	26.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*35*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.4		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321104	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C10	183572.4445.0710	Concrete	29-Aug-13 11:00	30-Aug-13
SB75966-37				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 70.2		µg/kg dry	70.2	52.4	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321032	X
11104-28-2	Aroclor-1221	< 70.2		µg/kg dry	70.2	63.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 70.2		µg/kg dry	70.2	45.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 70.2		µg/kg dry	70.2	42.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 70.2		µg/kg dry	70.2	36.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 70.2		µg/kg dry	70.2	58.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 70.2		µg/kg dry	70.2	43.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 70.2		µg/kg dry	70.2	65.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 70.2		µg/kg dry	70.2	29.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	92.2		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321104	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C11 SB75966-38	183572.4445.0710	Concrete	29-Aug-13 11:02	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.3		µg/kg dry	61.3	45.8	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321032	X
11104-28-2	Aroclor-1221	< 61.3		µg/kg dry	61.3	55.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.3		µg/kg dry	61.3	39.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.3		µg/kg dry	61.3	36.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.3		µg/kg dry	61.3	31.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.3		µg/kg dry	61.3	51.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.3		µg/kg dry	61.3	38.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.3		µg/kg dry	61.3	57.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.3		µg/kg dry	61.3	25.3	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.9		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321104	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C12	183572.4445.0710	Concrete	29-Aug-13 11:04	30-Aug-13
SB75966-39				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.4		µg/kg dry	65.4	48.9	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321032	X
11104-28-2	Aroclor-1221	< 65.4		µg/kg dry	65.4	58.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.4		µg/kg dry	65.4	42.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.4		µg/kg dry	65.4	39.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.4		µg/kg dry	65.4	34.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.4		µg/kg dry	65.4	54.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.4		µg/kg dry	65.4	40.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.4		µg/kg dry	65.4	60.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.4		µg/kg dry	65.4	27.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.5		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321104	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C13 [redacted]66-40	183572.4445.0710	Concrete	29-Aug-13 11:07	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.9		µg/kg dry	60.9	45.5	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321032	X
11104-28-2	Aroclor-1221	< 60.9		µg/kg dry	60.9	54.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.9		µg/kg dry	60.9	39.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.9		µg/kg dry	60.9	36.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.9		µg/kg dry	60.9	31.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.9		µg/kg dry	60.9	50.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.9		µg/kg dry	60.9	37.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.9		µg/kg dry	60.9	56.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.9		µg/kg dry	60.9	25.1	1	"	"	"	"	"	X
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)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*40*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	97.5		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321104	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C14 SB75966-41	183572.4445.0710	Concrete	29-Aug-13 11:08	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cer
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.4		µg/kg dry	63.4	47.3	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321032	X
11104-28-2	Aroclor-1221	< 63.4		µg/kg dry	63.4	57.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.4		µg/kg dry	63.4	40.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.4		µg/kg dry	63.4	38.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.4		µg/kg dry	63.4	33.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.4		µg/kg dry	63.4	52.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.4		µg/kg dry	63.4	39.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.4		µg/kg dry	63.4	59.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.4		µg/kg dry	63.4	26.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.1		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321104	

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* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C15 [redacted]966-42	183572.4445.0710	Concrete	29-Aug-13 11:11	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.9		µg/kg dry	64.9	48.5	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321032	X
11104-28-2	Aroclor-1221	< 64.9		µg/kg dry	64.9	58.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.9		µg/kg dry	64.9	41.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.9		µg/kg dry	64.9	39.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.9		µg/kg dry	64.9	33.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.9		µg/kg dry	64.9	54.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.9		µg/kg dry	64.9	40.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.9		µg/kg dry	64.9	60.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.9		µg/kg dry	64.9	26.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.3		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321104	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C16	183572.4445.0710	Concrete	29-Aug-13 11:14	30-Aug-13
SB75966-43				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.7		µg/kg dry	65.7	49.1	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321032	X
11104-28-2	Aroclor-1221	< 65.7		µg/kg dry	65.7	59.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.7		µg/kg dry	65.7	42.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.7		µg/kg dry	65.7	39.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.7		µg/kg dry	65.7	34.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.7		µg/kg dry	65.7	54.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.7		µg/kg dry	65.7	40.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.7		µg/kg dry	65.7	61.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.7		µg/kg dry	65.7	27.1	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.5		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321104	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C17 S[redacted]66-44	183572.4445.0710	Concrete	29-Aug-13 11:15	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 54.5		µg/kg dry	54.5	40.7	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321032	X
11104-28-2	Aroclor-1221	< 54.5		µg/kg dry	54.5	49.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 54.5		µg/kg dry	54.5	35.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 54.5		µg/kg dry	54.5	32.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 54.5		µg/kg dry	54.5	28.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 54.5		µg/kg dry	54.5	45.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 54.5		µg/kg dry	54.5	33.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 54.5		µg/kg dry	54.5	50.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 54.5		µg/kg dry	54.5	22.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*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]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.7		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321104	

Sample Identification	Client Project #	Matrix	* Collection Date/Time	Received
MT-C18 SB75966-45	183572.4445.0710	Concrete	29-Aug-13 11:18	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.0		µg/kg dry	63.0	47.1	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321032	X
11104-28-2	Aroclor-1221	< 63.0		µg/kg dry	63.0	56.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.0		µg/kg dry	63.0	40.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.0		µg/kg dry	63.0	37.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.0		µg/kg dry	63.0	32.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.0		µg/kg dry	63.0	52.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.0		µg/kg dry	63.0	39.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.0		µg/kg dry	63.0	58.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.0		µg/kg dry	63.0	26.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*35*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.4		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321104	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C19 SB75966-46	183572.4445.0710	Concrete	29-Aug-13 15:20	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.0		µg/kg dry	63.0	47.1	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321037	X
11104-28-2	Aroclor-1221	< 63.0		µg/kg dry	63.0	56.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.0		µg/kg dry	63.0	40.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.0		µg/kg dry	63.0	37.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.0		µg/kg dry	63.0	32.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.0		µg/kg dry	63.0	52.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 63.0		µg/kg dry	63.0	39.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.0		µg/kg dry	63.0	58.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.0		µg/kg dry	63.0	26.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.9		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321104	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C20	183572.4445.0710	Concrete	29-Aug-13 15:35	30-Aug-13
SB75966-47				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 62.1		µg/kg dry	62.1	46.4	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321037	X
11104-28-2	Aroclor-1221	< 62.1		µg/kg dry	62.1	56.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 62.1		µg/kg dry	62.1	39.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 62.1		µg/kg dry	62.1	37.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 62.1		µg/kg dry	62.1	32.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 62.1		µg/kg dry	62.1	51.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 62.1		µg/kg dry	62.1	38.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 62.1		µg/kg dry	62.1	57.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 62.1		µg/kg dry	62.1	25.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*30*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.1		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321104	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C2-BR3-0"	183572.4445.0710	Brick	29-Aug-13 08:50	30-Aug-13
S[illegible]66-48				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.4		µg/kg dry	64.4	48.1	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321037	X
11104-28-2	Aroclor-1221	< 64.4		µg/kg dry	64.4	58.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.4		µg/kg dry	64.4	41.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.4		µg/kg dry	64.4	38.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.4		µg/kg dry	64.4	33.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.4		µg/kg dry	64.4	53.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.4		µg/kg dry	64.4	39.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.4		µg/kg dry	64.4	60.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.4		µg/kg dry	64.4	26.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[illegible]	% Solids	99.3		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321104	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C2-BR4-0"	183572.4445.0710	Brick	29-Aug-13 08:55	30-Aug-13
SB75966-49				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 53.8		µg/kg dry	53.8	40.2	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321037	X
11104-28-2	Aroclor-1221	< 53.8		µg/kg dry	53.8	48.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 53.8		µg/kg dry	53.8	34.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 53.8		µg/kg dry	53.8	32.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 53.8		µg/kg dry	53.8	28.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 53.8		µg/kg dry	53.8	44.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 53.8		µg/kg dry	53.8	33.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 53.8		µg/kg dry	53.8	50.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 53.8		µg/kg dry	53.8	22.2	1	"	"	"	"	"	X
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)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*35*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321104	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C11-A1-0" [redacted]66-50	183572.4445.0710	Asphalt	29-Aug-13 10:40	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 56.9		µg/kg dry	56.9	42.5	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321037	X
11104-28-2	Aroclor-1221	< 56.9		µg/kg dry	56.9	51.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.9		µg/kg dry	56.9	36.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.9		µg/kg dry	56.9	34.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.9		µg/kg dry	56.9	29.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 56.9		µg/kg dry	56.9	47.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 56.9		µg/kg dry	56.9	35.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.9		µg/kg dry	56.9	53.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.9		µg/kg dry	56.9	23.5	1	"	"	"	"	"	X
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)*	*35*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*30*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	97.9		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321105	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C15-BR6-0" SB75966-51	183572.4445.0710	Brick	30-Aug-13 09:50	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 69.1		µg/kg dry	69.1	51.6	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321037	X
11104-28-2	Aroclor-1221	< 69.1		µg/kg dry	69.1	62.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 69.1		µg/kg dry	69.1	44.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 69.1		µg/kg dry	69.1	41.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 69.1		µg/kg dry	69.1	35.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 69.1		µg/kg dry	69.1	57.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 69.1		µg/kg dry	69.1	42.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 69.1		µg/kg dry	69.1	64.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 69.1		µg/kg dry	69.1	28.5	1	"	"	"	"	"	X
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)*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*30*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**95.2**		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321105	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C15-BR7-0"	183572.4445.0710	Brick	30-Aug-13 09:55	30-Aug-13
[redacted]66-52				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.4		µg/kg dry	64.4	48.1	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321037	X
11104-28-2	Aroclor-1221	< 64.4		µg/kg dry	64.4	58.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.4		µg/kg dry	64.4	41.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.4		µg/kg dry	64.4	38.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.4		µg/kg dry	64.4	33.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.4		µg/kg dry	64.4	53.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.4		µg/kg dry	64.4	39.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.4		µg/kg dry	64.4	60.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.4		µg/kg dry	64.4	26.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*45*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*30*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	94.7		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321105	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C15-BR8-0"	183572.4445.0710	Brick	30-Aug-13 10:00	30-Aug-13
SB75966-53				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 67.1		µg/kg dry	67.1	50.1	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321037	X
11104-28-2	Aroclor-1221	< 67.1		µg/kg dry	67.1	60.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 67.1		µg/kg dry	67.1	43.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 67.1		µg/kg dry	67.1	40.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 67.1		µg/kg dry	67.1	34.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 67.1		µg/kg dry	67.1	55.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 67.1		µg/kg dry	67.1	41.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 67.1		µg/kg dry	67.1	62.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 67.1		µg/kg dry	67.1	27.7	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321105	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C15-BR9-0"	183572.4445.0710	Brick	30-Aug-13 10:05	30-Aug-13
SB75966-54				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 65.0		µg/kg dry	65.0	48.6	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321037	X
11104-28-2	Aroclor-1221	< 65.0		µg/kg dry	65.0	58.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 65.0		µg/kg dry	65.0	41.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 65.0		µg/kg dry	65.0	39.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 65.0		µg/kg dry	65.0	33.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 65.0		µg/kg dry	65.0	54.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 65.0		µg/kg dry	65.0	40.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 65.0		µg/kg dry	65.0	60.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 65.0		µg/kg dry	65.0	26.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.2		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321105	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C15-BR10-0"	183572.4445.0710	Brick	30-Aug-13 10:10	30-Aug-13
SB75966-55				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.1		µg/kg dry	64.1	47.9	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321037	X
11104-28-2	Aroclor-1221	< 64.1		µg/kg dry	64.1	57.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.1		µg/kg dry	64.1	41.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.1		µg/kg dry	64.1	38.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.1		µg/kg dry	64.1	33.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.1		µg/kg dry	64.1	53.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.1		µg/kg dry	64.1	39.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.1		µg/kg dry	64.1	59.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.1		µg/kg dry	64.1	26.5	1	"	"	"	"	"	X
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)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	98.6		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321105	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C15-CO1-0"	183572.4445.0710	Concrete	30-Aug-13 10:20	30-Aug-13
[redacted]66-56				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.5		µg/kg dry	64.5	48.2	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321037	X
11104-28-2	Aroclor-1221	< 64.5		µg/kg dry	64.5	58.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.5		µg/kg dry	64.5	41.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.5		µg/kg dry	64.5	38.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.5		µg/kg dry	64.5	33.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.5		µg/kg dry	64.5	53.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.5		µg/kg dry	64.5	40.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.5		µg/kg dry	64.5	60.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.5		µg/kg dry	64.5	26.6	1	"	"	"	"	"	X
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)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*35*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	99.3		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321105	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C20-CO1-0" SB75966-57	183572.4445.0710	Concrete	29-Aug-13 09:00	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 60.4		µg/kg dry	60.4	45.2	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321037	X
11104-28-2	Aroclor-1221	< 60.4		µg/kg dry	60.4	54.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 60.4		µg/kg dry	60.4	38.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 60.4		µg/kg dry	60.4	35.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 60.4		µg/kg dry	60.4	31.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 60.4		µg/kg dry	60.4	50.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 60.4		µg/kg dry	60.4	37.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 60.4		µg/kg dry	60.4	56.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 60.4		µg/kg dry	60.4	24.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*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]*	*45*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	97.5		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321105	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MT-C33-CO1-0" [redacted]66-58	183572.4445.0710	Concrete	29-Aug-13 15:00	30-Aug-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 64.4		µg/kg dry	64.4	48.1	1	SW846 8082A	30-Aug-13	04-Sep-13	BLM	1321037	X
11104-28-2	Aroclor-1221	< 64.4		µg/kg dry	64.4	58.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.4		µg/kg dry	64.4	41.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.4		µg/kg dry	64.4	38.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.4		µg/kg dry	64.4	33.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	93.3		µg/kg dry	64.4	37.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 64.4		µg/kg dry	64.4	39.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.4		µg/kg dry	64.4	59.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.4		µg/kg dry	64.4	26.5	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
[redacted]	% Solids	96.5		%			1	SM2540 G Mod.	03-Sep-13	03-Sep-13	DJB	1321105	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1321030 - SW846 3540C										
Blank (1321030-BLK1)					Prepared: 30-Aug-13 Analyzed: 03-Sep-13					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS (1321030-BS1)					Prepared: 30-Aug-13 Analyzed: 03-Sep-13					
Aroclor-1016	**169**		µg/kg wet	20.0	250		68	40-140		
Aroclor-1016 [2C]	**183**		µg/kg wet	20.0	250		73	40-140		
Aroclor-1260	**175**		µg/kg wet	20.0	250		70	40-140		
Aroclor-1260 [2C]	**218**		µg/kg wet	20.0	250		87	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.0*		µg/kg wet		*20.0*		*140*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
LCS Dup (1321030-BSD1)					Prepared: 30-Aug-13 Analyzed: 03-Sep-13					
Aroclor-1016	**176**		µg/kg wet	20.0	250		70	40-140	4	30
Aroclor-1016 [2C]	**187**		µg/kg wet	20.0	250		75	40-140	2	30
Aroclor-1260	**146**		µg/kg wet	20.0	250		58	40-140	18	30
Aroclor-1260 [2C]	**185**		µg/kg wet	20.0	250		74	40-140	16	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Batch 1321031 - SW846 3540C										
Blank (1321031-BLK1)					Prepared: 30-Aug-13 Analyzed: 03-Sep-13					
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1321031 - SW846 3540C										
Blank (1321031-BLK1)					Prepared: 30-Aug-13 Analyzed: 03-Sep-13					
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*36.7*		µg/kg wet		*66.7*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*33.3*		µg/kg wet		*66.7*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*43.3*		µg/kg wet		*66.7*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*36.7*		µg/kg wet		*66.7*		*55*	*30-150*		
LCS (1321031-BS1)					Prepared: 30-Aug-13 Analyzed: 03-Sep-13					
Aroclor-1016	**680**		µg/kg wet	66.7	833		82	40-140		
Aroclor-1016 [2C]	**627**		µg/kg wet	66.7	833		75	40-140		
Aroclor-1260	**673**		µg/kg wet	66.7	833		81	40-140		
Aroclor-1260 [2C]	**613**		µg/kg wet	66.7	833		74	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*76.7*		µg/kg wet		*66.7*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
LCS Dup (1321031-BSD1)					Prepared: 30-Aug-13 Analyzed: 03-Sep-13					
Aroclor-1016	**677**		µg/kg wet	66.7	833		81	40-140	0.5	30
Aroclor-1016 [2C]	**620**		µg/kg wet	66.7	833		74	40-140	1	30
Aroclor-1260	**670**		µg/kg wet	66.7	833		80	40-140	0.5	30
Aroclor-1260 [2C]	**573**		µg/kg wet	66.7	833		69	40-140	7	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*80.0*		µg/kg wet		*66.7*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Duplicate (1321031-DUP1)			**Source: SB75966-06**		Prepared: 30-Aug-13 Analyzed: 03-Sep-13					
Aroclor-1016	< 62.3		µg/kg dry	62.3		BRL				30
Aroclor-1016 [2C]	< 62.3		µg/kg dry	62.3		BRL				30
Aroclor-1221	< 62.3		µg/kg dry	62.3		BRL				30
Aroclor-1221 [2C]	< 62.3		µg/kg dry	62.3		BRL				30
Aroclor-1232	< 62.3		µg/kg dry	62.3		BRL				30
Aroclor-1232 [2C]	< 62.3		µg/kg dry	62.3		BRL				30
Aroclor-1242	< 62.3		µg/kg dry	62.3		BRL				30
Aroclor-1242 [2C]	< 62.3		µg/kg dry	62.3		BRL				30
Aroclor-1248	< 62.3		µg/kg dry	62.3		BRL				30
Aroclor-1248 [2C]	< 62.3		µg/kg dry	62.3		BRL				30
Aroclor-1254	< 62.3		µg/kg dry	62.3		BRL				30
Aroclor-1254 [2C]	< 62.3		µg/kg dry	62.3		BRL				30
Aroclor-1260	**872**		µg/kg dry	62.3		960			10	30
Aroclor-1260 [2C]	**645**		µg/kg dry	62.3		799			21	30
Aroclor-1262	< 62.3		µg/kg dry	62.3		BRL				30
Aroclor-1262 [2C]	< 62.3		µg/kg dry	62.3		BRL				30
Aroclor-1268	< 62.3		µg/kg dry	62.3		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1321031 - SW846 3540C										
Duplicate (1321031-DUP1)			**Source: SB75966-06**		Prepared: 30-Aug-13 Analyzed: 03-Sep-13					
Aroclor-1268 [2C]	< 62.3		µg/kg dry	62.3		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*46.7*		µg/kg dry		*62.3*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*43.6*		µg/kg dry		*62.3*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*49.9*		µg/kg dry		*62.3*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*34.3*		µg/kg dry		*62.3*		*55*	*30-150*		
Matrix Spike (1321031-MS1)			**Source: SB75966-06**		Prepared: 30-Aug-13 Analyzed: 03-Sep-13					
Aroclor-1016	**636**		µg/kg dry	64.2	803	BRL	79	40-140		
Aroclor-1016 [2C]	**556**		µg/kg dry	64.2	803	BRL	69	40-140		
Aroclor-1260	**1520**		µg/kg dry	64.2	803	960	69	40-140		
Aroclor-1260 [2C]	**1270**		µg/kg dry	64.2	803	799	59	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*48.2*		µg/kg dry		*64.2*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*45.0*		µg/kg dry		*64.2*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*51.4*		µg/kg dry		*64.2*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*35.3*		µg/kg dry		*64.2*		*55*	*30-150*		
Matrix Spike Dup (1321031-MSD1)			**Source: SB75966-06**		Prepared: 30-Aug-13 Analyzed: 03-Sep-13					
Aroclor-1016	**558**		µg/kg dry	66.5	831	BRL	67	40-140	16	30
Aroclor-1016 [2C]	**459**		µg/kg dry	66.5	831	BRL	55	40-140	23	30
Aroclor-1260	**1090**	QM7	µg/kg dry	66.5	831	960	15	40-140	128	30
Aroclor-1260 [2C]	**974**	QM7	µg/kg dry	66.5	831	799	21	40-140	95	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*39.9*		µg/kg dry		*66.5*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*36.6*		µg/kg dry		*66.5*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*39.9*		µg/kg dry		*66.5*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*29.9*		µg/kg dry		*66.5*		*45*	*30-150*		
Batch 1321032 - SW846 3540C										
Blank (1321032-BLK1)					Prepared: 30-Aug-13 Analyzed: 03-Sep-13					
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*36.7*		µg/kg wet		*66.7*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*33.3*		µg/kg wet		*66.7*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*36.7*		µg/kg wet		*66.7*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*30.0*		µg/kg wet		*66.7*		*45*	*30-150*		
LCS (1321032-BS1)					Prepared: 30-Aug-13 Analyzed: 03-Sep-13					
Aroclor-1016	**630**		µg/kg wet	66.7	833		76	40-140		
Aroclor-1016 [2C]	**533**		µg/kg wet	66.7	833		64	40-140		

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* Reportable Detection Limit

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1321032 - SW846 3540C										
LCS (1321032-BS1)					Prepared: 30-Aug-13 Analyzed: 03-Sep-13					
Aroclor-1260	**560**		µg/kg wet	66.7	833		67	40-140		
Aroclor-1260 [2C]	**403**		µg/kg wet	66.7	833		48	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*46.7*		µg/kg wet		*66.7*		*70*	*30-150*		
LCS Dup (1321032-BSD1)					Prepared: 30-Aug-13 Analyzed: 03-Sep-13					
Aroclor-1016	**637**		µg/kg wet	66.7	833		76	40-140	1	30
Aroclor-1016 [2C]	**540**		µg/kg wet	66.7	833		65	40-140	1	30
Aroclor-1260	**577**		µg/kg wet	66.7	833		69	40-140	3	30
Aroclor-1260 [2C]	**420**		µg/kg wet	66.7	833		50	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg wet		*66.7*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*60.0*		µg/kg wet		*66.7*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*46.7*		µg/kg wet		*66.7*		*70*	*30-150*		
Duplicate (1321032-DUP1)			Source: SB75966-26		Prepared: 30-Aug-13 Analyzed: 03-Sep-13					
Aroclor-1016	< 64.1		µg/kg dry	64.1		BRL				30
Aroclor-1016 [2C]	< 64.1		µg/kg dry	64.1		BRL				30
Aroclor-1221	< 64.1		µg/kg dry	64.1		BRL				30
Aroclor-1221 [2C]	< 64.1		µg/kg dry	64.1		BRL				30
Aroclor-1232	< 64.1		µg/kg dry	64.1		BRL				30
Aroclor-1232 [2C]	< 64.1		µg/kg dry	64.1		BRL				30
Aroclor-1242	< 64.1		µg/kg dry	64.1		BRL				30
Aroclor-1242 [2C]	< 64.1		µg/kg dry	64.1		BRL				30
Aroclor-1248	< 64.1		µg/kg dry	64.1		BRL				30
Aroclor-1248 [2C]	< 64.1		µg/kg dry	64.1		BRL				30
Aroclor-1254	< 64.1		µg/kg dry	64.1		BRL				30
Aroclor-1254 [2C]	< 64.1		µg/kg dry	64.1		BRL				30
Aroclor-1260	< 64.1		µg/kg dry	64.1		BRL				30
Aroclor-1260 [2C]	< 64.1		µg/kg dry	64.1		BRL				30
Aroclor-1262	< 64.1		µg/kg dry	64.1		BRL				30
Aroclor-1262 [2C]	< 64.1		µg/kg dry	64.1		BRL				30
Aroclor-1268	< 64.1		µg/kg dry	64.1		BRL				30
Aroclor-1268 [2C]	< 64.1		µg/kg dry	64.1		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*44.9*		µg/kg dry		*64.1*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*41.7*		µg/kg dry		*64.1*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.8*		µg/kg dry		*64.1*		*45*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.4*		µg/kg dry		*64.1*		*35*	*30-150*		
Matrix Spike (1321032-MS1)			Source: SB75966-26		Prepared: 30-Aug-13 Analyzed: 04-Sep-13					
Aroclor-1016	**561**		µg/kg dry	57.5	719	BRL	78	40-140		
Aroclor-1016 [2C]	**400**		µg/kg dry	57.5	719	BRL	56	40-140		
Aroclor-1260	**431**		µg/kg dry	57.5	719	BRL	60	40-140		
Aroclor-1260 [2C]	**319**		µg/kg dry	57.5	719	BRL	44	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*43.1*		µg/kg dry		*57.5*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*40.2*		µg/kg dry		*57.5*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*31.6*		µg/kg dry		*57.5*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.9*		µg/kg dry		*57.5*		*45*	*30-150*		
Matrix Spike Dup (1321032-MSD1)			Source: SB75966-26		Prepared: 30-Aug-13 Analyzed: 04-Sep-13					
Aroclor-1016	**650**		µg/kg dry	60.2	752	BRL	86	40-140	10	30
Aroclor-1016 [2C]	**508**		µg/kg dry	60.2	752	BRL	68	40-140	19	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1321032 - SW846 3540C										
Matrix Spike Dup (1321032-MSD1)			**Source: SB75966-26**		Prepared: 30-Aug-13 Analyzed: 04-Sep-13					
Aroclor-1260	**514**		µg/kg dry	60.2	752	BRL	68	40-140	13	30
Aroclor-1260 [2C]	**391**		µg/kg dry	60.2	752	BRL	52	40-140	16	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*51.1*		µg/kg dry		*60.2*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*51.1*		µg/kg dry		*60.2*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*36.1*		µg/kg dry		*60.2*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*30.1*		µg/kg dry		*60.2*		*50*	*30-150*		
Batch 1321037 - SW846 3540C										
Blank (1321037-BLK1)						Prepared: 30-Aug-13 Analyzed: 04-Sep-13				
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*13.0*		µg/kg wet		*20.0*		*65*	*30-150*		
LCS (1321037-BS1)						Prepared: 30-Aug-13 Analyzed: 04-Sep-13				
Aroclor-1016	**199**		µg/kg wet	20.0	250		80	40-140		
Aroclor-1016 [2C]	**183**		µg/kg wet	20.0	250		73	40-140		
Aroclor-1260	**205**		µg/kg wet	20.0	250		82	40-140		
Aroclor-1260 [2C]	**136**		µg/kg wet	20.0	250		54	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*14.0*		µg/kg wet		*20.0*		*70*	*30-150*		
LCS Dup (1321037-BSD1)						Prepared: 30-Aug-13 Analyzed: 04-Sep-13				
Aroclor-1016	**198**		µg/kg wet	20.0	250		79	40-140	0.5	30
Aroclor-1016 [2C]	**177**		µg/kg wet	20.0	250		71	40-140	3	30
Aroclor-1260	**204**		µg/kg wet	20.0	250		82	40-140	0.5	30
Aroclor-1260 [2C]	**135**		µg/kg wet	20.0	250		54	40-140	0.7	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*14.0*		µg/kg wet		*20.0*		*70*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1321102 - General Preparation										
Duplicate (1321102-DUP1)			Source: SB75966-10			Prepared & Analyzed: 03-Sep-13				
% Solids	99.5		%			99.5			0.06	20
Batch 1321104 - General Preparation										
Duplicate (1321104-DUP1)			Source: SB75966-32			Prepared & Analyzed: 03-Sep-13				
% Solids	98.1		%			98.1			0.01	20
Batch 1321105 - General Preparation										
Duplicate (1321105-DUP1)			Source: SB75966-50			Prepared & Analyzed: 03-Sep-13				
% Solids	97.9		%			97.9			0.05	20

Notes and Definitions

QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
R01	The Reporting Limit has been raised to account for matrix interference.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk

CT DA[redacted] Rates Apply

SB 7 [redacted] de SUM

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 6

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day 3 Day Per MK
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Henry Laliberte
21 Griffin Rd North
Windsor, CT
06095
Telephone #: 860-298-6266
Project Mgr. Henry Laliberte

Invoice To: Henry Laliberte
P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710
Site Name: BIA - Murphy Terminal
Location: Windsor Locks State: CT
Sampler(s): Greg Kaczynski, Mike Kostrowski

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= Cool 12=

List preservative code below: 11

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= Brick X3=

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: 8082/3540 C

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV* ☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540 C	State-specific reporting standards:
SB25[redacted] 01	MT-C2-C01-0"	8/27/13	1316	G	X1			1		X	1st Floor - Office 35
02	MT-C2-CM1-0"		1425								Basement - Rm 155 Vent
03	MT-C2-CM2-0"		1430								" - Window
04	MT-C2-BR1-0"		1310		X2						1st Floor office 35
05	MT-C2-BR2-0"		1340								1st Floor - Office 19
06	MT-C12-C01-0"	8/28/13	0835		X1						Basement - 149 Corridor
07	MT-C12-C02-0"		0846								Basement
08	MT-C12-BR1-0"		0845		X2						
09	MT-C15-FB1-0"	8/27/13	1117		X1						2nd Floor Kitchen - South
10	MT-C15-FB2-0"		1125								" - North

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	DEC	8/30/13	1150	
DEC	JLH	8/30/13	1645	
2.4	4.4 IR			

☐ EDD Format
☒ E-mail to Henry Laliberte
HLaliberte@trcsolutions.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

CT DAS Rates Apply

SB75916 SM

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CHAIN OF CUSTODY RECORD

Page 1 of 6

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 day, 3 Day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: RQN:

Project No.: 183572.4445.6710

Site Name: BIA - ~~Concourse A~~ Murphy Terminal

Location: Windsor Locks State: CT

Sampler(s): GK, ~~[illegible]~~ MK

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= Cool 12=

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= Brick X3=

G=Grab C=Composite

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: 8260/5540C

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8260/5540C	Analyses	State-specific reporting standards
SB75916-11	MT-C15-CM2-0"	8/28/13	0810	G	X1			1		✓		1st Floor closet next to Jazz 7
12	MT-C15-BR1-0"		0915		X2							3rd Flr - South exterior
13	MT-C15-BR2-0"		0935									3rd Flr - NW - exterior
14	MT-C15-BR3-0"		0940									3rd Flr - North Center - exterior
15	MT-C15-BR4-0"		0945									~~[illegible]~~ 3rd Flr - exterior NE
16	MT-C15-BR5-0"		1105									~~[illegible]~~
17	MT-C1	8/28/13	0912		X1							4th Floor, South - exterior
18	MT-C2		0925									Ext basement - Loading Dock
19	MT-C3		0916									
20	MT-C4		0930									Exterior - Basement/Pub. Side

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	8/30/13	1:50	
DEC	[signature]	8/30/13	1645	

☐ EDD Format
☒ E-mail to Same

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

2.4/-1/14 IR 01

CT [illegible] Rates Apply. SB7[illegible]

SPECTRUM ANALYTICAL, INC.
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CHAIN OF CUSTODY RECORD

Page 3 of 6

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: ~~5 day~~ 3 Day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Same

Telephone #:

Project Mgr.

Invoice To: Same

P.O. No.: RQN:

Project No.: 183572.4445.0710
Site Name: BIA-Murphy Terminal
Location: Windsor Locks State: CT
Sampler(s): MK, GK

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= Cool 12=

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater AS-Asphalt
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8082/5590C	
183572516021	MT-A1	8/28/13	0935	G	AS		1	1		1	Exterior - Basement - Pub. Side
22	MT-A2		0940								
23	MT-A3	8/29/13	0905								
24	MT-A4		0910								
25	MT-A5		0915								
26	MT-A6		0918								
27	MT-A7		0924								Ext, ground, W, public
28	MT-A8		0936								
29	MT-A9		0950								Ext - Pub Side, ground and
30	MT-A10		0953								0955

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	DEC	8/30/13	1:50	
DEC	JH	8/30/13	1:45	
2-4/-1/14 IRa				

☐ EDD Format
☐ E-mail to Same

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

CT DAS Rate Apply

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 6

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 Day TAT
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: (Same as Page 1)

Telephone #:

Project Mgr.

Invoice To: (Same as Page 1)

P.O. No.: C183572 RQN:

Project No.: 183572.4445.0710

Site Name: BIA-Murphy Terminal

Location: Windsor Locks State: CT

Sampler(s): G.K./MK

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= Cool 12=

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater A5-Asphalt
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= X3=

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C	State-specific reporting standards
SB 31	MT-A5 11	8/29/13	0957	G	A5			1		X	Ext, pub side, Grand (grand overpass)
32	MT-C5		1008		X1					X	Ext, pub side, grand, west
33	MT-C6		1012							X	
34	MT-C7		1014							X	
35	MT-C8		1016							X	
36	MT-C9		1030							X	Ext, Arcade, grand, west
37	MT-C10		1100							X	Ext, pub side, 1st floor
38	MT-C11		1102							X	
39	MT-C12		1104							X	
40	MT-C13		1107							X	

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	8/30/13	1:50	
[signature]	[signature]	8/30/13	1645	

☐ EDD Format
☒ E-mail to HLaliberte@TRCsolutions.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

24/-1/1.4 IR 01

CT PA[redacted] Rate Apply ✓ SB[redacted]

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 5 of 6

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 Day TAT
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: (Same as Page 1)

Telephone #:

Project Mgr.

Invoice To: (Same as Page 1)

P.O. No.: CR83572 RQN:

Project No.: 18357 2.4445.0710

Site Name: BIA - Murphy Terminal

Location: Windsor Locks State: CT

Sampler(s): G. K. / M. K.

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= Ice 12=

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater AS=Asphalt
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= Brick X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C							State-specific reporting standards:
S13[redacted]	MT-C14	8/29/13	1108	G	X1			1		X							Ext, Pub Side, 1st Floor
42	MT-C15		1111							X							
43	MT-C16		1114							X							
44	MT-C17		1115							X							
45	MT-C18		1118							X							
46	MT-C19		1520							X							Ext, Airside, Ground, East
47	MT-C20		1525							X							Ext, Airside, Ground, Center
48	MT-C2-BR3-0"	8/29/13	0850		X2					X							Ext, Basement, Pub Side
49	MT-C2-BR4-0"		0855							X							
50	MT-C11-A2-0"		1040		[redacted]					X							Exterior, Airside, West

Relinquished by:	Received by:	Date:	Time:	Temp°C
DEC	DEC	8/30/13	1160	
	JCH	8/30/13	1645	

☐ EDD Format
☒ E-mail to H.Laliberte@TRCsolutions.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

2.4 / 1 / 1.4 R C1

CT DAS Rates Apply

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 6 of 6

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 Day TAT
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: (Same as Page 1)

Telephone #:

Project Mgr.

Invoice To: (Same as Page 1)

P.O. No.: C183572 RQN:

Project No.: 183572.44510710

Site Name: BTA - Murphy Terminal

Location: Windsor Locks State: CT

Sampler(s): G.K. / M.K.

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= CCO 12=

List preservative code below: 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=Concrete X2= Brick X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540C								
56	MT-C15-B86-0"	8/30/13	0950	X2	G			1		X								2nd Floor, Ext, North S.P.
57	MT-C15-B87-0"		0955							X								
58	MT-C15-B88-0"		1000							X								1st Floor Ext. Elev. W
59	MT-C15-B89-0"		1005							X								" " C
60	MT-C15-B90-0"		1010							X								" " E
61	MT-C15-B91-0"		1020	X1						X								2nd Floor, ext, boardroom.
62	MT-C15-B01-01-0"	8/29/13	0900							X								Ext, Basement, Rubble Side
63	MT-C15-B01-02-0"		1500							X								Mart Lanne 14 Roof.
										X								
										X								

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	8/30/13	1:50	
	[signature]	8/30/13	1645	

☐ EDD Format
☒ E-mail to hlaliberte@TRCsolutions.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

2.4 / -1 / 1.4 IR 011

APPENDIX C

EPA Region 1 SOP

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 1
5 Post Office Square, Suite 100
Boston, MA 02109-3912

STANDARD OPERATING PROCEDURE FOR SAMPLING POROUS SURFACES FOR POLYCHLORINATED BIPHENYLS (PCBs)

May 2011

SDMS DocID 484692

STANDARD OPERATING PROCEDURE FOR SAMPLING POROUS SURFACES FOR POLYCHLORINATED BIPHENYLS (PCBs)

The Office of Environmental Measurement and Evaluation
EPA New England – Region 1
11 Technology Dr.
North Chelmsford, MA 01863

Prepared by: Dan Granz, Environmental Engineer — Date: 5/5/11

Reviewed by: Kim Tisa, TSCA PCB Coordinator — Date: 5/5/11

Reviewed by: Jerry Keefe – EIA Team Leader — Date: 05/23/11

Approved by: Dan Boudreau, EIA Chemistry Team Leader — Date: 5/23/11

Disclaimer: The controlled version of this document is the electronic version viewed on-line only. If this is a printed copy of the document, it is an uncontrolled version and may or may not be the version.

This document contains direction developed solely to provide internal guidance to U.S. Environmental Protection Agency (EPA) personnel. EPA retains the discretion to adopt approaches that differ from these procedures on a case by case basis. The procedures set forth do not create any rights, substantive or procedural, enforceable at law by a party to litigation with EPA or the United States.

Revision Page

Date	Rev#	Summary of Changes	Sections
12/97	1	Initial Approval, draft	
3/20/08	2	Major update, only for PCBs, added TSCA sampling	All sections
7/17/08	3	Disposal of dust filter and decon of vac hose	11.0 and 14.0
5/04/11	4	Vacuum Trap Design and Clean-out	9.4

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3.0 Definitions 4

4.0 Health and Safety Warnings 5

5.0 Interferences 6

6.0 Personnel Qualifications 6

7.0 Equipment and Supplies 6

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14.0 Waste Management and Pollution Prevention 12

15.0 References 12

Attachments:

Example of Custody Seal and Sample Label
Example of Chain of Custody Form

1.0 Scope and Application

1.1 This Standard Operating Procedure (SOP) is suitable for collection of a porous matrix sample for analysis of Polychlorinated Biphenyls (PCBs).

1.2 This SOP describes sampling techniques for both hard and soft porous surfaces.

1.2.1 Hard surfaces, and most soft surfaces, can be sampled using an impact hammer drill to generate a uniform, finely ground, powder to be extracted and analyzed for PCBs. This procedure is primarily geared at providing enough sample quantity for two analyses. Hard porous surfaces include concrete, brick, asphalt, cement, sandstone, limestone, unglazed ceramics, and other possible PCB suspected material. This procedure may also be used on other softer porous surfaces, such as wood.

1.2.2 Soft surfaces can be sampled using a chisel or sharp knife to generate a representative sample to be extracted and analyzed for PCBs. Soft porous surfaces include wood, wall plasterboard, low density plastics, rubber, caulking, and other PCB suspected material.

1.3 This SOP provides for collection of surface samples (0 – 0.5 inches) and delineation of PCB contamination throughout the core of the porous surface. The procedure can be used to sample the porous surface at distinctly different depth zones.

2.0 Method Summary

A one-inch or other sized diameter carbide drill bit is used in a rotary impact hammer drill to generate a fine powder, or other representative sample, suitable for extraction and analysis of PCBs from porous surfaces. This method also allows the use of chisels or knives for the collection of samples from soft porous surfaces for PCB analysis.

3.0 Definitions

3.1 Field/Bottle Blank: A sample container of the same lot as the containers used for the environmental samples. This evaluates PCB contamination introduced from the sample container(s) from a common lot.

3.2 Equipment/Rinse/Rinsate Blanks: A sample that is collected by pouring hexane over the sample collection equipment after decontamination and before sample collection. The sample is collected in the appropriate sample container identical to the sample containers. This represents background contamination resulting from the field equipment, sampling procedure, sample container, and shipment.

3.3 Field Replicates/Duplicates: Two or more samples collected at the same sampling location. Field replicates should be samples collected side by side. Field replicates represent the precision of the whole method, site heterogeneity, field sampling, and the laboratory analysis.

3.4 Field Split Samples: Two or more representative subsamples taken from one environmental sample in the field. Prior to splitting, the environmental sample is homogenized to correct for sample heterogeneity that would adversely impact data comparability. Field split samples are usually analyzed by different laboratories (interlaboratory comparison) or by the same laboratory (intralaboratory comparison). Field splits are used to assess sample handling procedures from field to laboratory and laboratory comparability.

3.5 Laboratory Quality Samples: Additional samples that will be collected for the laboratory's quality control program: matrix spike, matrix spike duplicate, laboratory duplicates, etc.

3.6 Proficiency Testing (PT)/Performance Evaluation (PE) Sample: A sample, the composition of which is unknown to the laboratory or analyst, provided to the analyst or laboratory to assess the capability to produce results within acceptable criteria. This is optional depending on the data quality objectives. If possible, it is recommended that the PE sample be of similar matrix as the porous surface(s) being sampled.

3.7 Porous Surface: Any surface that allows PCBs to penetrate or pass into itself including, but not limited to, paint or coating on metal; corroded metal; fibrous glass or glass wool; unglazed ceramics; ceramics with porous glaze; porous building stone such as sandstone, travertine, limestone, or coral rock; low density plastics such as Styrofoam and low density polyethylene; coated (varnished or painted) or uncoated wood; painted or unpainted concrete or cement; plaster; plasterboard; wallboard; rubber; caulking; fiberboard; chipboard; asphalt; or tar paper.

3.8 Shipping Container Temperature Blank: A water sample that is transported to the laboratory to measure the temperature of the samples in the cooler.

4.0 Health and Safety

4.1 Eye, respiratory, and hearing protection are required at all times during sample drilling. A properly fitted respirator is required for hard porous surface sampling. A respirator is recommended whenever there is a risk of inhalation of either particulate or volatilized PCBs during sampling.

4.2 All proper personal protection clothing and equipment must be worn.

4.3 When working with potentially hazardous materials or situations, follow EPA, OSHA, and specific health or safety procedures.

4.4 Care must be exercised when using an electrical drill and sharp cutting objects.

5.0 Interferences and Potential Problems

5.1 This sampling technique produces a finely ground uniform powder, which minimizes the physical matrix effects from variations in the sample consistency (i.e., particle size, uniformity, homogeneity, and surface condition). Matrix spike analysis of a sample is highly recommended to monitor for any matrix related interferences.

5.2 Nitrile gloves are recommended. Latex gloves must not be used due to possible phthalate contamination.

5.3 Interferences may result from using contaminated equipment, solvents, reagents, sample containers, or sampling in a disturbed area. The drill bit must be decontaminated between samples. (see Section 11.0.)

5.4 Cross contamination problems can be eliminated or minimized through the use of dedicated sampling equipment.

6.0 Personnel Qualifications

6.1 All field samplers working at hazardous materials/waste sites are required to take a 40 hour health and safety training course prior to engaging in any field activities. Subsequently, an 8 hour refresher health and safety course is required annually.

6.2 The field sampler should be trained by an experienced sampler before initiating this procedure.

6.3 All personnel shall be responsible for complying with all quality assurance/quality control requirements that pertain to their organizational/technical function.

7.0 Equipment and Supplies

7.1 This list varies with the matrix and if depth profiling is required

Rotary impact hammer variable speed drill
1-inch or other suitable (1/2, 3/4, etc.) diameter carbide tip drill bits
Steel chisel or sharp cutting knife, and hammer
Brush and cloths to clean area
Stainless steel scoopulas

Aluminum foil to collect the powder sample
1 quart Cubitainer with the top cut out to collect the powder sample
Aluminum weighing pans to collect the powder sample
Cleaned glass container (2 oz or 40 mL) with Teflon lined cap
Decontamination supplies: hexane, two small buckets, a scrub brush, detergent, deionized water, hexane squirt bottle, and paper towels
Dedicated vacuum cleaner with a disposable filter or a vacuum pump with a dust filter
Polyethylene tubing and Pasteur pipettes
Sample tags/labels, custody seals, and Chain-of-Custody form

8.0 Sampling Design

8.1 A sufficient number of samples must be collected to meet the data quality objectives of the project. If the source of the PCB contamination is regulated under the federal TSCA PCB Regulations at 40 CFR Part 761, the sampler should insure that the sampling design is sufficient to meet any investigation or verification sampling requirements. At a minimum, the following is recommended:

8.1.1 Suspected stained area (s) should be sampled.

8.1.2 At each separate location, collect at least 3 samples of each type of porous surface, regardless of the amount of each type of porous surface present.

8.1.3 In areas where PCB equipment was used or where PCBs were stored, samples should be collected at a frequency of 1 sample/100 square feet (ft^2).

9.0 Sample Collection

9.1 Hard Porous Surfaces

9.1.1 Lock a 1-inch or another size diameter carbide drill bit into the impact hammer drill and plug the drill into an appropriate power source. For easy identification, sample locations may be pre-marked using a marker or paint. (Note: the actual drilling point must not be marked.) Remove any debris with a clean brush or cloth prior to drilling. All sampling decisions of this nature should be noted in the sampling logbook.

9.1.2 Use a Cubitainer with the top cut off or aluminum foil to contain the powdered sample. Begin drilling in the designated location. Apply steady even pressure and let the drill do the work. Applying too much pressure will generate excessive heat and dull the drill bit prematurely. The drill will provide a finely ground powder that can be easily collected.

9.1.3 Samples should be collected at ½-inch depth intervals. Thus, the initial surface sample should be collected from 0 – 0.5 inches. A ½-inch deep hole generates about 10 grams (20 mL) of powder. Multiple holes located closely adjacent to each other, may be needed to generate sufficient sample volumes for a PCB determination. It is strongly recommended that the analytical laboratory be consulted on the minimum sample size needed for PCB extraction and analysis.

9.1.4 Wall and Ceiling Sampling: A team of two samplers will be required for wall and ceiling sampling. The second person will hold a clean catch surface (e.g. an aluminum pan) below the drill to collect the falling powder. Alternatively, use the chuck-end of the drill bit and punch a hole through the center of the collection pan. The drill bit is then mounted through the pan and into the drill. For ceilings, the drill may be held at an angle to collect the powder. Thus the driller can be drilling at an angle while the assistant steadies the pan to catch the falling powder. As a precaution, it may be advantageous to tape a piece of plastic around the drill, just below the chuck, to avoid dust contaminating the body of the drill and entering the drill's cooling vents. Caution must be taken to prevent obstruction of the drill's cooling vents.

9.2 Soft Porous Surfaces

9.2.1 The procedure for the hard porous surface may be used for certain soft porous surfaces, such as wood.

9.2.2 Samples should be collected at no more than ½-inch depth intervals using a metal chisel or sharp cutting knife. Thus, the initial surface sample should be collected from 0 – 0.5 inches. It is important to collect at least 10 grams for analysis.

9.2.3 For soft porous surfaces, such as caulking and rubber, a representative sample can be collected using a metal chisel or sharp cutting knife.

9.3 Multiple Depth Sampling

9.3.1 Multiple Depth Sampling may not be applicable to certain porous surfaces, such as caulking.

9.3.2 Collect the surface sample as outlined in Section 9.1 or 9.2.

9.3.3 Use the vacuum pump or cleaner to clean out the hole.

9.3.4 To collect multiple depths there are two options.

9.3.4.1 Option one: drill sequentially ½-inch increments with the 1 inch drill.

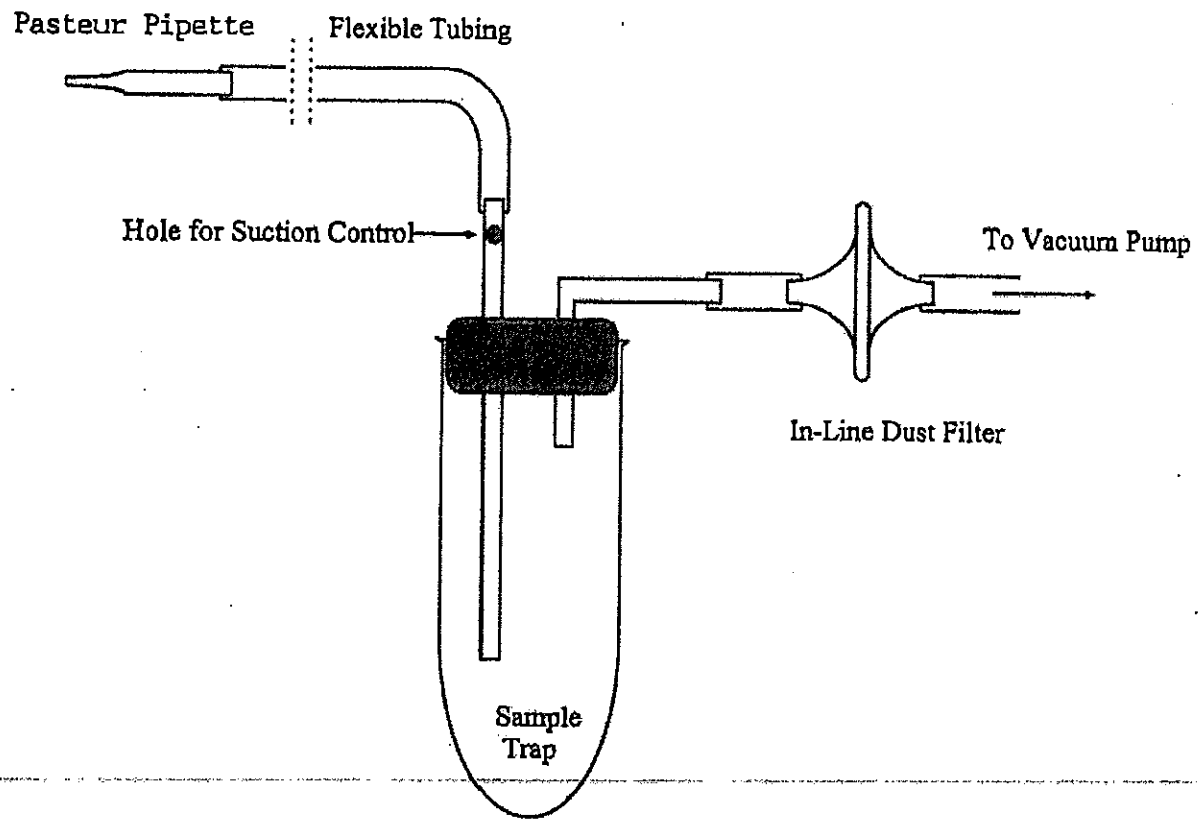
9.3.4.2 Option two: drill with the 1 inch bit and either make the hole larger or use a smaller bit to take the next ½- inch sample.

9.3.5 A stainless steel scoopula will make it easier to collect the sample from the bottom of the hole.

9.4 Vacuum Trap Design and Clean-out

The trap presented in Figure 1 is a convenient and thorough way for collecting and removing concrete powder from drilled holes. The trap system is designed to allow for control of the suction from the vacuum pump and easy trap clean-out between samples. Note, by placing a hole in the inlet tube (see Figure 1), a finger on the hand holding the trap can be used to control the suction at the sampling tip. Thus, when this hole is left completely open, there will be no suction, and the sampler can have complete control over where and what to sample. To change-out between samples the following steps should be taken: 1) the Pasteur pipette and piece of polyethylene tubing at the sample inlet should be replaced with new materials, 2) the portion of the rubber stopper and glass tubing that was in the trap should be wiped down with a clean damp paper towel (wetted with deionized water) and then dried with a fresh paper towel, 3) a clean pipe cleaner should be drawn through the glass inlet tube to remove any concrete dust present, and 4) the glass tube or flask used to collect the sample should swapped out with a clean decontaminated sample trap. Having several clean tubes or flasks on hand will facilitate change-out between samples.

Figure 1



Note: the holes should be vacuumed thoroughly to minimize any cross-contamination between sample depths and the bits should be decontaminated between samples. (See Section 11.0)

10.0 Sample Handling, Preservation, and Storage

10.1 Samples must be collected in glass containers for PCB analyses. In general, a 2-ounce sample container with a Teflon-lined cap (wide-mouth jars are preferred) will hold sufficient mass for most analyses. A 2-ounce jar can hold roughly 90 grams of sample.

10.2 Samples are to be shipped refrigerated and maintained at $\leq$ 6°C until the time of extraction and analysis.

10.3 The suggested holding time for PCB samples is 14 days to extraction.

11.0 Decontamination

11.1 Assemble two decontamination buckets. The first bucket contains a detergent and potable water solution, and the second bucket is for rinsate. Place all used drill bits, hose for the vacuum cleaner, and utensils in the detergent and water bucket. Scrub each piece thoroughly using the scrub brush. Note, the powder does cling to the metal surfaces, so care should be taken during this step, especially with the twists and curves of the drill bits. Next, rinse each piece with water and hexane. Place the rinsed pieces on clean paper towels and individually dry and inspect each piece. Note: all pieces should be dry prior to reuse.

11.2 Lightly contaminated drill bits and utensils may be wiped with a hexane soaked cloth and hexane rinsed for decontamination.

12.0 Data and Record Management

12.1 All data and information collection should follow a Field Data Management SOP or Quality Assurance Project Plan (QAPP).

12.2 Follow the chain of custody procedures to release the samples to the laboratory. A copy is kept with the sampling records.

12.3 The field data is stored for at least 3 years.

13.0 Quality Control and Quality Assurance

13.1 Representative samples are required. The sampler will evaluate the site specific conditions to assure the sample will be representative.

13.2 All sampling equipment must be decontaminated prior to use and between each discrete sample.

13.3 All field Quality Control (QC) sample requirements in a Sample and Analysis Plan (SAP) or QAPP must be followed. The SAP or QAPP may involve field blanks, equipment blanks, field duplicates and/or the collection of extra samples for the laboratory's quality control program.

13.4 Field duplicates should be collected at a minimum frequency of 1 per 20 samples or 1 per non-related porous matrix, whichever is greater.

14.0 Waste Management and Pollution Prevention

14.1 During field sampling events there may be PCB and/or hazardous waste produced from the sample collection. The waste must be handled and disposed of in accordance with federal, state, and local regulations. The dust filter, and tubing if a vacuum pump is used, is disposed after each site investigation. This waste will be treated as PCB waste if the samples are positive for PCBs. It may be possible to manage or dispose of the waste produced at the site where the work was performed. If the site does not meet regulatory requirements for these types of activities, the waste must be transported to a facility permitted to manage and/or dispose of the waste.

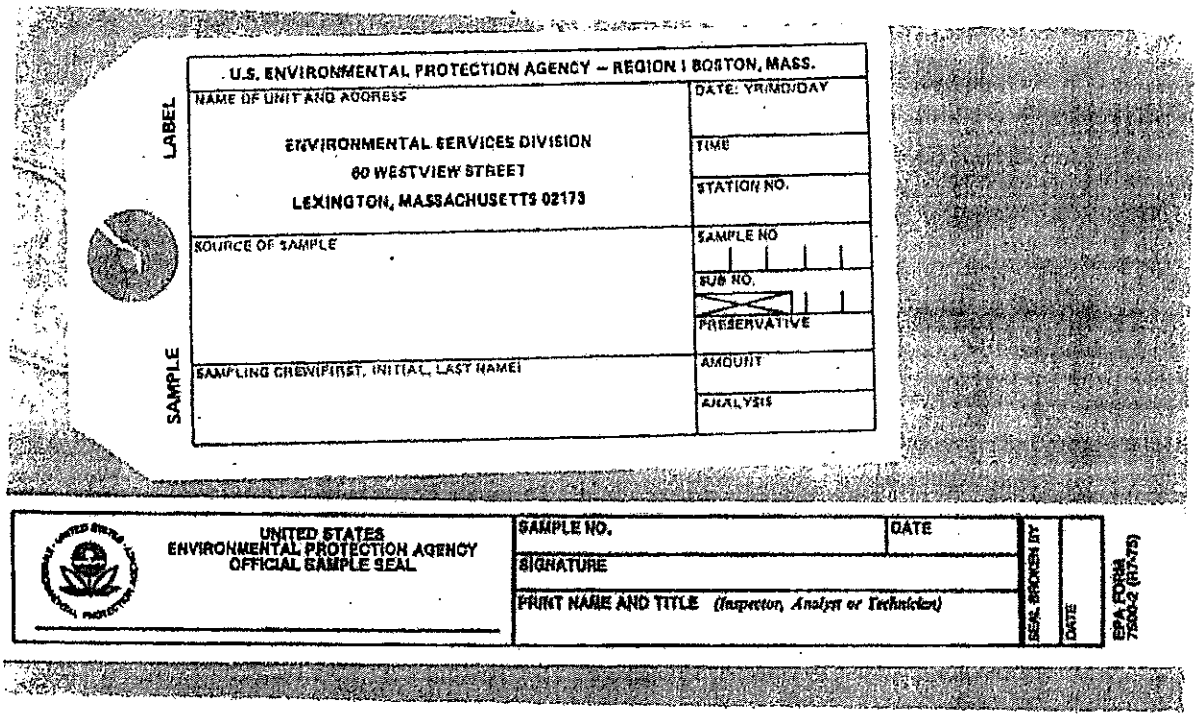
15.0 References

1. Guidance for the Preparation of Standard Operating Procedures for Quality-Related Operations, QA/G-6, EPA/600/R-96/027, November 1995.

2. 40 CFR Part 761 – Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution In Commerce, and Use Prohibitions

3. Sample Container and Holding Time; RCRA SW 846, Chapter 4, Table 4.1, Revision 4, February, 2007.

Example of Sample Label and Custody Seal



Example of Chain of Custody Form

ENVIRONMENTAL PROTECTION AGENCY
REGION 1

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
SAMPLERS: (Signature)	

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS							REMARKS

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

1-16940

☆ U.S. GOVERNMENT PRINTING OFFICE: 1984—420-326

APPENDIX D

Notification and Certification

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546
Phone:

January 6, 2014

Kimberly N. Tisa
Region 1 PCB Administrator
United States Environmental Protection Agency
1 Congress Street, Suite 1100-CPT
Boston, MA 02114-2023

Via Mail

Re: Notification and Certification Pursuant to 40 CFR 761.61(a)(3)(i)(E)
Self-Implementing Cleanup Plan for Bradley International Airport
Terminal B
Windsor Locks, CT

Dear Ms. Tisa:

Attached is a copy of the remedial plan developed to address PCB-containing building materials at Terminal B of Bradley International Airport for review by EPA. Implementation of this plan will allow for the safe removal and proper disposal of PCB-containing materials prior to demolition activities at the site. This letter and the attached remedial plan constitute the notification required to local authorities at least 30 days prior to the date of initiating remediation under §761.61(a)(3)(i). Work will not commence without having received approval from EPA.

This certification is to accompany the Self-Implementing Cleanup Plan for the removal and abatement work to be performed prior to and during renovation/demolition activities at the site owned by the State of Connecticut Department of Transportation in Windsor Locks, Connecticut. TRC Environmental (TRC) has prepared this plan under the provisions specified in §§761.61(c) and 761.61(a) for the remedial work to be performed at Terminal B of Bradley International Airport in Windsor Locks, Connecticut.

Certification Pursuant to 40 CFR 761.61(a)(3)(i)(E)

I certify that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the cleanup site are on file at the offices of TRC Environmental, 21 Griffin Road North, Windsor, Connecticut, and are available for EPA inspection.

If you have any questions you may contact Erik Plimpton, TRC, at 860-298-9692 or via email at eplimpton@trcsolutions.com.

Sincerely,

Gregory Dorosh, PE
Principal Engineer
Division of Environmental Compliance
State of Connecticut
Department of Transportation

CC: Gary Trombly, CTDEEP
Erik Plimpton, PE, CHMM, TRC

APPENDIX E

EPA PCB Bulk Product Waste Reinterpretation - October 24, 2012

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
RESOURCE CONSERVATION
AND RECOVERY

OCT 24 2012

MEMORANDUM

SUBJECT: PCB Bulk Product Waste Reinterpretation

TO: Regional TSCA and RCRA Division Directors, EPA Regions 1-10

FROM: Suzanne Rudzinski, Director
Office of Resource Conservation and Recovery

On February 29, 2012, EPA published in the *Federal Register* a draft reinterpretation of our position regarding PCB-contaminated building materials, specifically addressing the definition of PCB bulk product waste and PCB remediation waste. Based on comments received, we have modified the proposed reinterpretation to improve the ability to implement the reinterpretation. Today, we are announcing that we are finalizing the reinterpretation, which allows building material "coated or serviced" with PCB bulk product waste (e.g., caulk, paint, mastics, sealants) at the time of designation for disposal to be managed as a PCB bulk product waste.

Background

EPA has received several questions from the regulated community regarding the disposal and cleanup requirements for PCB-contaminated building materials. The Toxic Substances Control Act (TSCA) regulations at 40 CFR 761 provide disposal and cleanup requirements for PCBs. The disposal and cleanup requirements for PCB-contaminated building material depend on whether the material is classified as a PCB bulk product waste or PCB remediation waste. Waste derived from caulk or paint containing PCBs at ≥ 50 parts per million (ppm) is defined as PCB bulk product waste in 40 CFR 761.3. The definition of PCB bulk product waste includes "non-liquid bulk wastes or debris from the demolition of buildings and other man-made structures manufactured, coated, or serviced with PCBs." Other PCB bulk product wastes may include, but are not limited to, mastics, sealants, or adhesives containing PCBs at ≥ 50 ppm. PCB remediation waste is defined as "waste containing PCBs as a result of a spill, release, or other unauthorized disposal…", and leaching may be considered a release of PCBs.

Summary

In February 2012, the Agency solicited comment on a draft reinterpretation of its position regarding the status of PCB-contaminated building materials under the definition of PCB bulk product waste. In association with the proposed reinterpretation, EPA identified several guidance documents that would be changed to reflect this reinterpretation.
Current EPA guidance states that building material contaminated by the migration of PCBs from PCB bulk product waste, such as caulk or paint, is considered a PCB remediation waste. The proposed reinterpretation would have modified this guidance to specify that only PCB-

contaminated building material from which the PCB bulk product has been removed is a PCB remediation waste. That is, under the proposed reinterpretation, the distinction was in whether or not the PCB bulk product is still attached to the building materials.
The reinterpretation finalized today allows building material (i.e., substrate) "coated or serviced" with PCB bulk product waste (e.g., caulk, paint, mastics, sealants) at the time of designation for disposal to be managed as a PCB bulk product waste, even if the PCBs have migrated from the overlying bulk product waste into the substrate, provided there is no other source of PCB contamination on or in the substrate. However, if the substrate is not "coated or serviced" (i.e., the PCB bulk product waste, such as caulk or paint has been removed from the building material) at the time of designation for disposal, and the substrate is contaminated with PCBs that have migrated from the bulk product waste (or from another unauthorized disposal), the substrate would be considered a PCB remediation waste. This final reinterpretation is being modified from the proposal as described below.

In response to comments, we are modifying the proposed reinterpretation to allow for the possibility that, during a cleanup or demolition process, PCB bulk product waste (e.g., caulk, paint, mastics, and sealants) could separate from the contaminated building material before all of the waste is physically placed in the final disposal facility. At the time of designation for disposal, the contaminated building material would be deemed a PCB bulk product waste if the PCB material (e.g., caulk, paint, mastic or sealant) is still attached. This label as PCB bulk product waste would stay with the contaminated building materials. EPA recommends developing an abatement plan to document the decision to designate building materials as bulk product waste at the time of designation for disposal. If the PCB material has already been removed or flaked off at the time of designation for disposal, the building material would be deemed a PCB remediation waste, as established under the existing interpretations.

Rationale

I believe this reinterpretation will allow for accelerated cleanups of PCB-contaminated building material by providing a more straightforward path for disposal pursuant to the 40 CFR part 761 PCB regulations. Speeding up removal and disposal of the PCB-contaminated material is critical for reducing exposure potential, such as in schools or other locations where such PCB-contaminated building materials are currently in place. The previous interpretation applied different requirements to PCB-contaminated building materials than to the products that were originally manufactured with PCBs (e.g., paint or caulk). Labeling the building materials a different type of PCB waste than PCB bulk product waste (e.g., paint or caulk) can result in slower and more costly removal and disposal. This reinterpretation maintains existing environmental and human health protections, while it removes unnecessary burdens to allow for more expedient cleanups, thus reducing potential exposures, for example, in schools and commercial buildings.

In particular, protecting children's health from environmental risks is fundamental to EPA's mission. Caulks and paints containing PCBs were used in building some schools from 1950 to 1978. The reinterpretation will help to promote healthy school environments by reducing exposure to PCBs in schools.

The overwhelming majority of comments received supported the reinterpretation, with no comments in direct opposition. The reinterpretation provides the ability to dispose of any building material, contaminated by adjacent PCB bulk product waste (e.g., caulk, paint, mastics, and sealants), in accordance with the PCB bulk product waste regulations. Contaminated building materials that remain in place, after the PCB bulk product waste (e.g., caulk, paint,

mastics, and sealants) has been removed, should continue to be considered and managed as PCB remediation waste.

If you have any questions regarding the reinterpretation please contact ORCR's Program Implementation and Information Division at 703-308-8404.